

# **Ανοικτό Πανεπιστήμιο Κύπρου**

**Σχολή Θετικών και Εφαρμοσμένων Επιστημών**

## **Μεταπτυχιακή Διατριβή στα Πληροφοριακά Συστήματα**



**Ο Ρόλος των Νέων Τεχνολογιών στα Μουσεία, και Ανάπτυξη  
Προτάσεων-Λύσεων Ξενάγησης Επισκεπτών σε Μουσεία.**

**Παναγιώτης Δρακουλόγκωνας**

**Επιβλέπων Καθηγητής  
Κωνσταντίνος Χαλάτσης**

**Μάιος 2012**

# Ανοικτό Πανεπιστήμιο Κύπρου

## Σχολή Θετικών και Εφαρμοσμένων Επιστημών

Ο Ρόλος των Νέων Τεχνολογιών στα Μουσεία, και Ανάπτυξη  
Προτάσεων-Λύσεων Ξενάγησης Επισκεπτών σε Μουσεία.

Παναγιώτης Δρακουλόγκωνας

Επιβλέπων Καθηγητής  
Κωνσταντίνος Χαλάτσης

μ  
μ  
μ  
μ  
μ μ μ  
μ

Μάιος 2012

# Περίληψη

(ICT) μ . μ , μ  
μ μ  
(ICT) , μ μ  
μ μ μ μ μ μ μ  
μ μ μ μ μ μ μ μ μ  
μ μ μ μ μ μ μ μ μ  
μ μ μ μ μ μ μ μ μ  
(ICT) μ

## **Summary**

In the recent years, the development in the field of Information and Communication technology (ICT) is obvious. Today, new technologies provide opportunities that were not available before. These new technologies can be used for information, entertainment, to facilitate human work etc.

The goal of this master thesis is the description of the role of the new technologies in the museums and the development of proposals-solutions for guiding visitors in museums, a general critical review of the Information and Communication technologies (ICT) in the emergence of the content of a museum to visitors.

The first chapter is the introduction of the master thesis. The second chapter is intended to describe the role of the new technologies in the museums. The third chapter comprises proposals-solutions for guiding visitors in museums, including a description of the website developed. The fourth chapter is the epilogue of the master thesis. Appendix A comprises images of mobile applications and of mobile websites.

The methods used are based in a general critical review of the Information and Communication technologies (ICT) in the emergence of the content of a museum to visitors.

# Ευχαριστίες

μ

μ

# Περιεχόμενα

<b>1</b>	<b>Εισαγωγή</b> .....	<b>1</b>
<b>2</b>	<b>Ο Ρόλος των Νέων</b> .....	<b>5</b>
2.1	.....	5
2.2	.....	9
2.3	Podcasts.....	10
2.4	..... μ μ .....	12
2.5	..... μ μ .....	13
2.6	Radio Frequency Identification (RFID).....	14
2.7	Near Field Communication (NFC).....	17
2.8	.....	18
2.9	Wi-Fi.....	20
2.10	..... (Visual Recognition).....	20
2.11	Global Positioning System (GPS).....	22
2.12	..... μ (Mobile Applications) .....	23
2.13	..... (Mobile Websites).....	26
2.14	..... (blogs).....	27
2.15	..... μ μ (Web Cams) .....	28
2.16	..... μ (Webcasts and Videoconferencing) .....	29
2.17	..... μ (Simulations) .....	30
2.18	..... (Immersive Technologies).....	31
2.19	.....	32
2.20	..... μ .....	32
2.21	.....	32
<b>3</b>	<b>Ανάπτυξη Προτάσεων-Λύσεων</b> .....	<b>34</b>
3.1	.....	34
3.2	..... , .....	35
3.3	.....	35
3.4	.....	36

3.5	μ	μ	,	.....	36
3.6				.....	37
3.7	μ			.....	38
3.8		μ		.....	38
3.9				.....	39
3.10				.....	40
3.11				.....	40
3.12				.....	41
3.12.1				.....	46
3.12.2				.....	48
<b>4</b>	<b>Επίλογος</b>			.....	81
	<b>Βιβλιογραφία</b>			.....	83
<b>A</b>	<b>Εφαρμογές για Κινητά και Ιστοχώροι για Κινητά</b>			.....	-1
.1	μ		(Mobile Applications)	.....	-1
.2			(Mobile Websites)	.....	-3
<b>B</b>	<b>Κώδικας Προγραμμάτων</b>			.....	-1







« Information and Communications Technologies », "ICT") (software) (hardware) (http://searchcio-midmarket.techtarget.com/definition/ICT) [018].

(http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf) [012].

- PDAs (Personal Digital Assistants) (http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf) [012].
- (http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf) [012].
- Podcasts (iPod) (http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf) [012].
- (http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf) [012].
- (http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf) [012].
- Radio Frequency Identification (RFID) (http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf) [012].

- Near Field Communication (NFC) (<http://www.techradar.com/news/phone-and-communications/mobile-phones/nokia-brings-nfc-technology-to-london-museum-991154>) [001].
- ([http://kcl.academia.edu/DirkvomLehn/Papers/114362/Accounting\\_for\\_New\\_Technology\\_in\\_Museum\\_Exhibitions](http://kcl.academia.edu/DirkvomLehn/Papers/114362/Accounting_for_New_Technology_in_Museum_Exhibitions)) [011].
- Wi-Fi (<http://news.yahoo.com/tech-changing-museum-experience-092805548.html>) [009].
- (visual recognition) (<http://news.yahoo.com/tech-changing-museum-experience-092805548.html>) [009].
- Global Positioning System (GPS) (<http://news.yahoo.com/tech-changing-museum-experience-092805548.html>) [009].
- $\mu$  (mobile applications) (<http://www.si.edu/Connect/Mobile#SocialMedia>) [104].
- (mobile websites) (<http://www.si.edu/Connect/Mobile#SocialMedia>) [104].
- (blogs) (<http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf>) [012].
- $\mu$   $\mu$   $\mu$  (Web cams) (<http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf>) [012].
- $\mu$   $\mu$  (webcasts and videoconferencing) (<http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf>) [012].
- $\mu$  (Simulations) (<http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf>) [012].

- (immersive technologies)  
(<http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf>) [012].
- (<http://mashable.com/2011/08/11/museums-digital/>) [004].
- μ ([http://www.pro.rcip-chin.gc.ca/carrefour-du-savoir-knowledge-exchange/travailleurs\\_savoir-knowledge\\_workers/2\\_4-eng.jsp](http://www.pro.rcip-chin.gc.ca/carrefour-du-savoir-knowledge-exchange/travailleurs_savoir-knowledge_workers/2_4-eng.jsp)) [014].
- ([http://www.theacropolismuseum.gr/default.php?pname=trisdiastates\\_provoles&la=1](http://www.theacropolismuseum.gr/default.php?pname=trisdiastates_provoles&la=1)) [102].

μ

μ

μ

μ

μ

μ

μ

μ

μ

μ

# Κεφάλαιο 2

## Ο Ρόλος των Νέων Τεχνολογιών στα Μουσεία

### 2.1 Φορητές Συσκευές

– PDAs (Personal Digital Assistants) μ

– μ

μ , μ

μ .

Ekahau  
 (http://www.airquay.com/pds/airquay\_manual4/EAN\_Museum.PDF) ( μ 2.1 [103])

- μ (Wireless Local Area Network – WLAN), μ
- μ Ekahau, μ μ
- PDA μ μ (client software), μ μ
- μ (server software), μ μ

(http://www.airquay.com/pds/airquay\_manual4/EAN\_Museum.PDF) [103].



**Σχήμα 2.1:** μ Ekahau.

PDA ( 2.1 [005])  
 (http://electronics.howstuffworks.com/gadgets/travel/pda.htm)

μ μ μ μ μ , , . μ ,











μ podcasts μ μ  
 μ μ podcasts  
 μ (http://www.mos.org/)  
 μ podcasts  
 μ iTunes (http://www.apple.com/itunes/) online  
 μ (http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf)  
 [012].



© Copyright 2004 Apple Computer www.apple.com/ipodphoto

**Εικόνα 2.3:** iPod (http://www.aeonity.com/images/store/free-photo-ipod-2.jpg) [109].

μ μ , μ μ  
 podcasts. (San Francisco Museum of Modern  
 Art) (http://www.sfmoma.org/) (Museum of  
 Modern Art in New York) (http://www.moma.org/)  
 μ μ μ podcasts μ  
 μ μ μ  
 μ μ , μ  
 μ , μ





**Εικόνα 2.4:** [http://www.xmarks.com/site/www.metmuseum.org/mymetmuseum/%3FHomePageLink=mymetmuseum\\_1](http://www.xmarks.com/site/www.metmuseum.org/mymetmuseum/%3FHomePageLink=mymetmuseum_1) [106]

## 2.5 Ιστοχώροι Δημιουργημένοι από τους Χρήστες

Οι ιστοχώροι δημιουργημένοι από τους χρήστες είναι ιστοχώροι που δημιουργούνται από τους χρήστες και περιλαμβάνουν πληροφορίες σχετικά με τα μουσεία και τις συλλογές τους. Ορισμένοι ιστοχώροι είναι:

- <http://www.thinker.org/> (Fine Arts Museums of San Francisco)
- <http://www.artgallery.nsw.gov.au/> (The Art Gallery of New South Wales)
- <http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf> [012].

Οι ιστοχώροι δημιουργημένοι από τους χρήστες είναι ιστοχώροι που δημιουργούνται από τους χρήστες και περιλαμβάνουν πληροφορίες σχετικά με τα μουσεία και τις συλλογές τους. Ορισμένοι ιστοχώροι είναι:

- [\(sharing\)](#)



μ . μ  
 μ μ μ μ  
 μ μ

(<http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf>) [012].

μ , Tech Tag Tech Museum of Innovation in San Jose (<http://www.thetech.org/>)  
 μ ( 2.5, 2.6, 2.7 [105])  
 (<http://my.thetech.org/>).  
 Tech Tag, μ μ μ  
 , Tech Tags  
 μ μ μ μ  
 μ μ (<http://my.thetech.org/>) [105].



**Εικόνα 2.5:** Tech Tag – μ Tech Tag μ  
 μ μ (<http://my.thetech.org/>) [105].









μ NFC, μ μ μ  
 μ μ http://www.techradar.com/news/phone-  
 and-communications/nfc-in-phones-what-you-need-to-know-948410 [002].

Nokia μ NFC hub μ μ μ  
 μ μ ( 2.8)  
 (http://www.techradar.com/news/phone-and-communications/mobile-phones/nokia-brings-  
 nfc-technology-to-london-museum-991154) [001].

μ μ μ μ μ  
 μ μ μ  
 μ μ  
 (http://www.techradar.com/news/phone-and-communications/mobile-phones/nokia-brings-  
 nfc-technology-to-london-museum-991154) [001].



**Εικόνα 2.8:** NFC Nokia μ  
 (http://www.techradar.com/news/phone-and-communications/mobile-phones/nokia-brings-nfc-  
 technology-to-london-museum-991154) [001].

## 2.8 Θόνες Αφής

( 2.9) (http://www.sciencephoto.com/media/429107/enlarge) [110]  
 μ μ μ μ μ  
 μ μ μ μ μ  
 μ

([http://kcl.academia.edu/DirkvomLehn/Papers/114362/Accounting\\_for\\_New\\_Technology\\_in\\_Museum\\_Exhibitions](http://kcl.academia.edu/DirkvomLehn/Papers/114362/Accounting_for_New_Technology_in_Museum_Exhibitions)) [011].

μ μ  
μ μμ ([http://www.google.gr/books?hl=el&lr=&id=D-XfoS5LRr8C&oi=fnd&pg=PA82&dq=new+technologies+museums&ots=FZhl\\_xlNfy&sig=TAJSvVf3jcocoWJGU4p0G3QmZ88&redir\\_esc=y#v=onepage&q=new%20technologies%20museums&f=false](http://www.google.gr/books?hl=el&lr=&id=D-XfoS5LRr8C&oi=fnd&pg=PA82&dq=new+technologies+museums&ots=FZhl_xlNfy&sig=TAJSvVf3jcocoWJGU4p0G3QmZ88&redir_esc=y#v=onepage&q=new%20technologies%20museums&f=false)) [003].



**Εικόνα 2.9:** (<http://www.sciencephoto.com/media/429107/enlarge>) [110].

μ μ μ μ ,  
μ . μ ,  
μ , μ  
μ μ  
μ μ ,  
μ μ ,

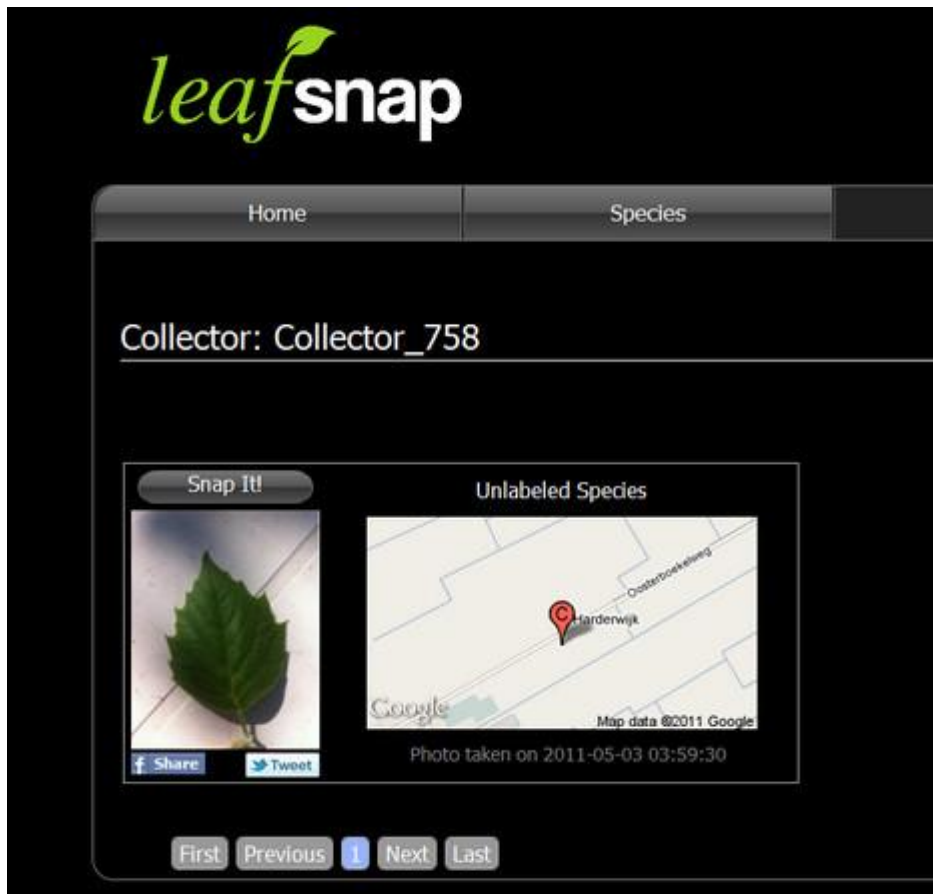


2.10 [108] (<http://www.148apps.com/wp-content/uploads/2011/05/mzl.fvnmynsd.320x480-75-200x300.jpg>). Smithsonian (<http://www.si.edu/>), Google Goggles (<http://www.google.com/mobile/goggles/#text>).

Wi-Fi. (<http://news.yahoo.com/tech-changing-museum-experience-092805548.html>) [009].

Leafsnap (<http://www.si.edu/apps/leafsnap>) [020].





**Εικόνα 2.11:** LeafSnap (<http://4.bp.blogspot.com/-kkomq6v7z8w/Tv9A3F006BI/AAAAAAAAEB8/E48a-zln6q0/s1600/leaf-snap.jpg>) [107].

## 2.12 Εφαρμογές για Κινητά (Mobile Applications)

μ (<http://www.si.edu/Connect/Mobile#SocialMedia>) [104]

:

- Smithsonian Mobile: Smithsonian (<http://www.si.edu/>), μ .  
Smithsonian Mobile, podcasts μ ,  
μ (<http://www.si.edu/apps/SmithsonianMobile>) [026].

- Artists in Dialogue 2: μ μ twitter (<https://twitter.com/>),  
μ μ μ

Smithsonian (Smithsonian's National Museum of African Art)  
 (<http://africa.si.edu/voice.html>)  
 . (<http://www.si.edu/apps/ad2>) [015].

- Encyclopedia of Life Uploader: (Encyclopedia of Life EOL)  
 iPhone  
 EOL Flickr Group  
 . (<http://www.si.edu/apps/eol>) [017].

- goSmithsonian Trek: Smithsonian (<http://www.gosmithsonian.com/scvngr/>) [031].

- Infinity of Nations:  
 .  
 (<http://www.si.edu/apps/infinity-nations>) [019].

- LeafSnap (<http://www.si.edu/apps/leafsnap>).

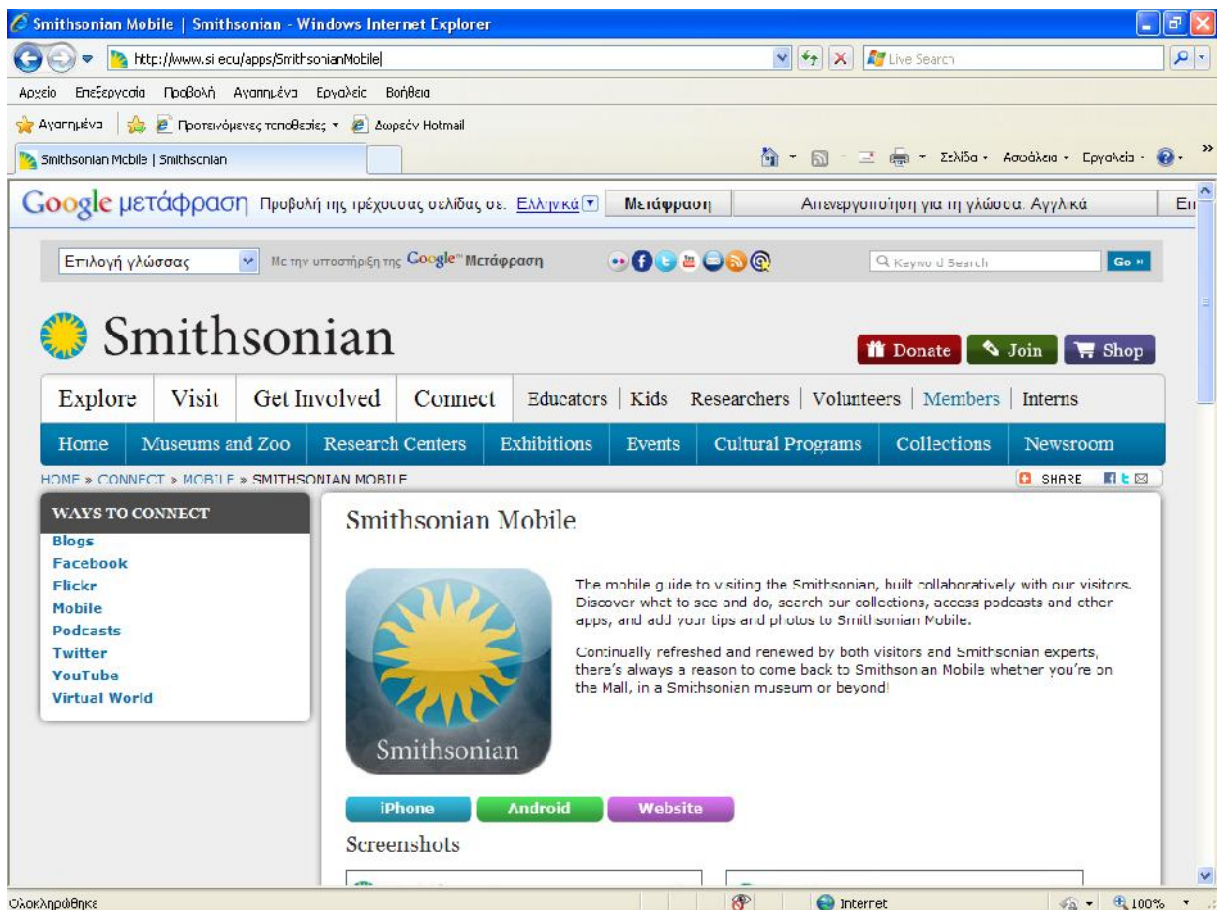
- MEanderthal:  
 .  
 (<http://www.si.edu/apps/meanderthal>) [021].

- Owney the Dog:  
 « »  
 Owney ( ), Owney  
 (<http://www.si.edu/apps/owney>) [022].

- Set In Style: iPad  
 .  
 (<http://www.si.edu/apps/setinstyle>) [024].



- Smithsonian Channel: <http://www.si.edu/apps/si-channel> [025].
- Stories from Main Street: <http://www.si.edu/apps/mainstreet> [029].
- Yves Klein: With the Void, Full Powers: <http://www.si.edu/apps/YvesKlein> [032].
- <http://www.si.edu/apps/SmithsonianMobile> [026].



Εικόνα 2.12: <http://www.si.edu/apps/SmithsonianMobile> [026].

- Artists in Dialogue 2 (<http://www.si.edu/apps/ad2>) [015]
- Encyclopedia of Life Uploader (<http://www.si.edu/apps/eol>) [017].

## 2.13 Ιστοχώροι για Κινητά (Mobile Websites)

(<http://www.si.edu/Connect/Mobile#SocialMedia>)

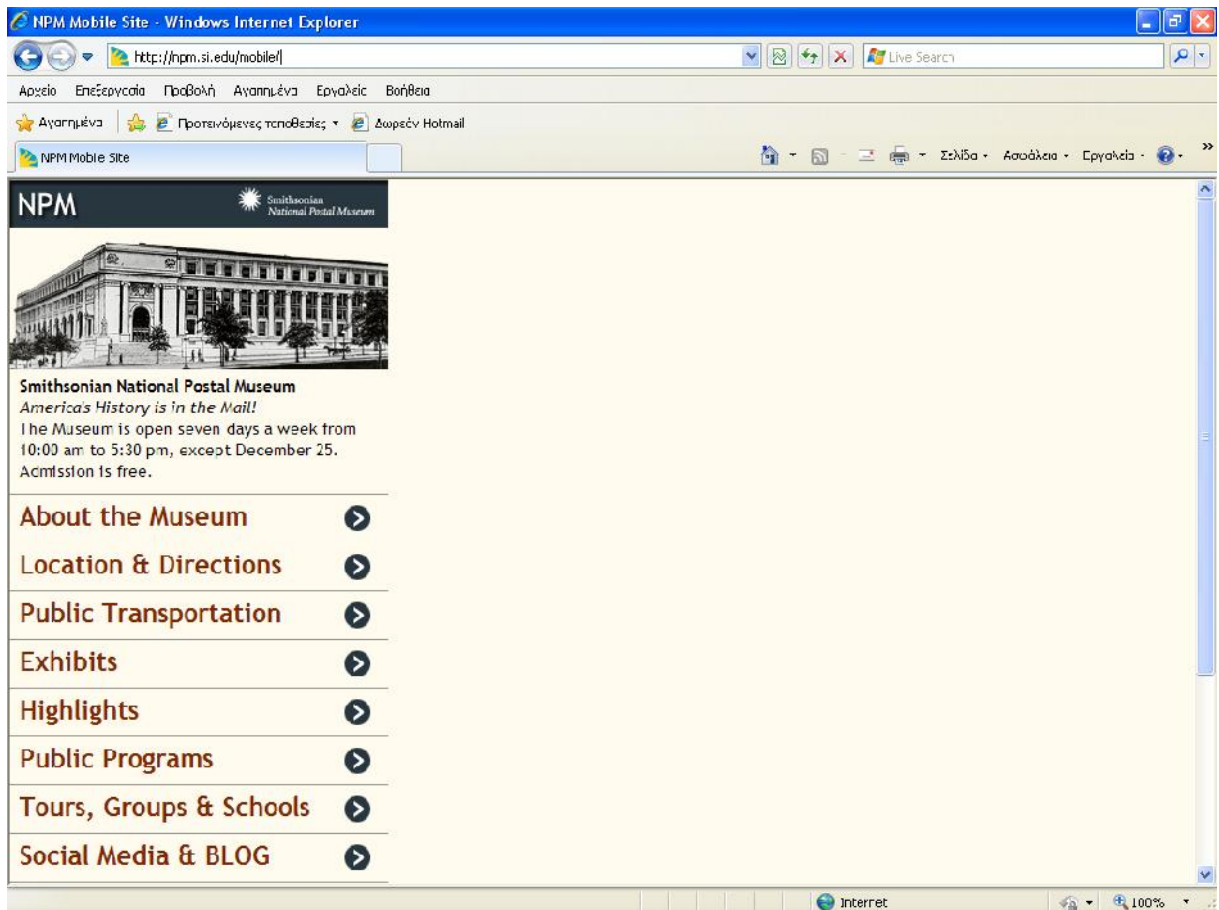
[104], :

- Air and Space Museum mobile (<http://mobile.nasm.si.edu/>).
- Chandra Mobile (<http://chandra.harvard.edu/mobile/>).
- Collections Search Center Mobile (<http://collections.si.edu/mobile/>).
- goSmithsonian (<http://www.gosmithsonian.com/>).
- National Postal Museum mobile (<http://npm.si.edu/mobile/>).
- Natural History Museum mobile (<http://www.mnh.si.edu/mobile/>).
- Vantage Point: The Contemporary Native Art Collection (<http://nmai.si.edu/vp/>).

( 2.13 [028]) (<http://npm.si.edu/mobile/>)

Smithsonian National Postal Museum.

μ



**Εικόνα 2.13:** Smithsonian National Postal Museum (<http://npm.si.edu/mobile/>) [028].

- Chandra Mobile (<http://chandra.harvard.edu/mobile/>) [016].
- Natural History Museum mobile (<http://www.mnh.si.edu/mobile/>) [027]

## 2.14 Ιστολόγια (Blogs)

(blogs),

(web logs),

μ

μ

μ

μ

μ

μ

μ

μ

μ



Laboratory of Ornithology) (<http://www.birds.cornell.edu/Page.aspx?pid=1478>)

Ecotarium in Worcester (<http://www.ecotarium.org/>),  
(<http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf>) [012].

## 2.16 Εκπομπές Μέσω Διαδικτύου και Τηλεδιασκέψεις (Webcasts and Videoconferencing)

Exploratorium (Exploratorium in San Francisco)  
(<http://www.exploratorium.edu/>)  
(<http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf>) [012].

Exploratorium (Exploratorium in San Francisco)  
(<http://www.exploratorium.edu/>)  
20





## 2.19 Ιστοσελίδες Κοινωνικής Δικτύωσης

facebook  
(http://el-gr.facebook.com/), μ  
twitter (https://twitter.com/), μ  
μ . μ  
μ , μ  
(http://mashable.com/2011/08/11/museums-digital/) [004].  
μ μ μ μ  
μ . , μ μ  
μ  
μ , μ  
μ .

## 2.20 Ιστοσελίδες Πολυμέσων και Ιστοσελίδες Εικόνων

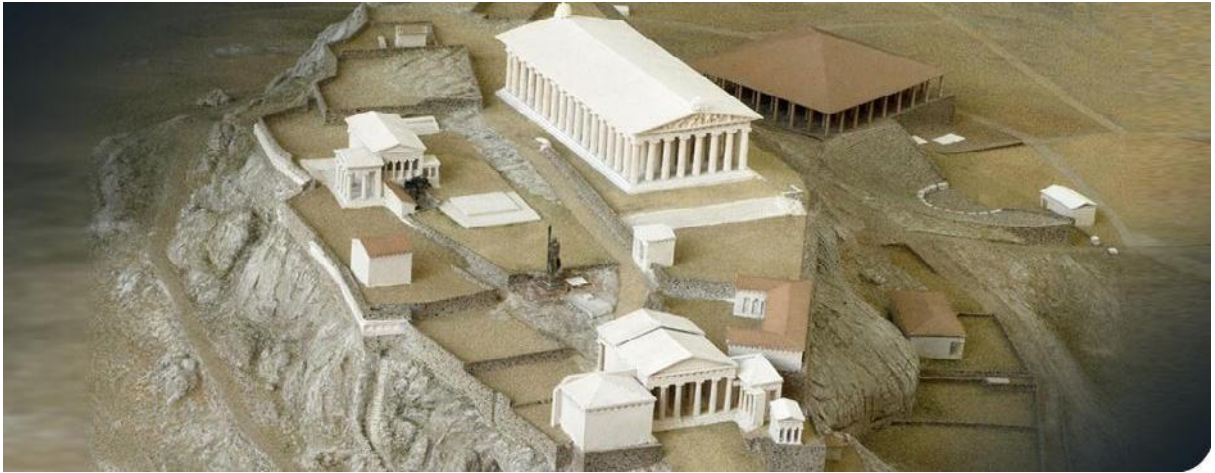
μ μ μ  
YouTube (http://www.youtube.com/?hl=el)  
μ .  
μ μ  
flickr (http://www.flickr.com/)  
μ .  
μ  
μ μ ,  
μ (http://www.pro.rcip-chin.gc.ca/carrefour-du-savoir-knowledge-exchange/travailleurs\_savoir-knowledge\_workers/2\_4-eng.jsp) [014].

## 2.20 Τρισδιάστατες Προβολές

( 2.14)  
(http://www.theacropolismuseum.gr/default.php?pname=trisdiastates\_provoles&la=1) [102]  
μ μ μ



μ μ μ



**Εικόνα**

**2.14:**

([http://www.theacropolismuseum.gr/default.php?pname=trisdiastates\\_provoles&la=1](http://www.theacropolismuseum.gr/default.php?pname=trisdiastates_provoles&la=1)) [102].



μ

(<http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf>) [012].

## 3.2 Η Τεχνολογία Είναι ένα Μέσο, Όχι ο Σκοπός

μ μ ,

μ , μ μ

μ μ μ .

μ . μ

μ .

μ μ

(<http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf>) [012].

## 3.3 Εκπαίδευση Χρηστών

μ μμ

μ μ

. μ ,

μ μ μ

, μ μ

μ

(<http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf>) [012].

μ μ , μ μ μ

μ μ , μ

μ .

μ μ μ μ , μ μ

μ μ μ μ .

μ μ μ μ μ .

, μ μ

μ μ μ .

μ , μ

μ , ,  
μ  
μ μ  
(<http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf>) [012].

### 3.4 Γνώση των Επισκεπτών

μ μ μ  
μ μ μ μ μ  
μ μ μ μ μ μ  
μ μ μ μ μ μ μ μ μ  
μ μ  
(<http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf>) [012].

### 3.5 Σχεδιασμός για την Εμπειρία, Όχι για το Υλικό

μ μ μ μ μ  
μ μ μ μ μ μ  
μ μ μ μ μ  
μ μ μ μ μ  
μ  
(<http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf>) [012].

μ μ μ μ μ  
μ μ μ μ μ μ  
μ μ μ μ μ μ μ  
μ  
(<http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf>) [012].

μ μ μ μ μ  
μ μ μ μ μ μ μ





(<http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf>) [012].

(<http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf>) [012].

### 3.9 Παροχή Επαρκών Πόρων

(<http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf>) [012].









"<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=16>"  
[048],  
"<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=16&item=29>" [049],  
"<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=16&item=28>" [050],  
"<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=16&item=9>" [051],  
"<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=16&item=104>" [052],  
"<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=16&item=105>" [053],  
"<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=16&item=146>" [054],  
"<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1>" [055],  
"<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=8>" [056],  
"<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=9>" [057],  
"<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17>" [058],  
"<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=31>" [059],  
"<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=30>" [060],  
"<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=32>" [061],  
"<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=84>" [062],  
"<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=94>" [063],  
"<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=93>" [064],  
"<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17>"

7&item=92" [065],  
"http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=1  
7&item=91" [066],  
"http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=1  
7&item=90" [067],  
"http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=1  
7&item=89" [068],  
"http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=1  
7&item=88" [069],  
"http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=1  
7&item=87" [070],  
"http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=1  
7&item=86" [071],  
"http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=1  
7&item=85" [072],  
"http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=1  
7&item=145" [073],  
"http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=1  
7&item=144" [074],  
"http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1" [075],  
"http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=6"  
[076],  
"http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=6&  
item=17" [077],  
"http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=6&  
item=18" [078],  
"http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=6&  
item=78" [079],  
"http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=6&  
item=79" [080],  
"http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=6&  
item=80" [081],  
"http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7"  
[082],

"<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7&item=4>" [083],

"<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7&item=20>" [084],

"<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7&item=21>" [085],

"<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7&item=51>" [086],

"<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7&item=81>" [087],

"<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7&item=82>" [088],

"<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7&item=83>" [089],

"<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7&item=143>" [090],

"<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7&item=142>" [091],

"<http://www.theacropolismuseum.gr/default.php?pname=PeriodicExhibitions&la=1>" [092],

"<http://www.theacropolismuseum.gr/default.php?pname=Mnimeia&la=1>" [093],

"<http://www.theacropolismuseum.gr/default.php?pname=Mnimeia&la=1&collection=18>" [094],

"<http://www.theacropolismuseum.gr/default.php?pname=Mnimeia&la=1&collection=19>" [095],

"<http://www.theacropolismuseum.gr/default.php?pname=Mnimeia&la=1&collection=19&item=106>" [096],

"<http://www.theacropolismuseum.gr/default.php?pname=Mnimeia&la=1&collection=19&item=107>" [097],

"<http://www.theacropolismuseum.gr/default.php?pname=Mnimeia&la=1&collection=19&item=108>" [098],

"<http://www.theacropolismuseum.gr/default.php?pname=Mnimeia&la=1&collection=20>" [099],

"<http://www.theacropolismuseum.gr/default.php?pname=Mnimeia&la=1&collection=20&item=12>" [100],

"<http://www.theacropolismuseum.gr/default.php?pname=Mnimeia&la=1&collection=20&item=109>" [101]

### 3.12.1 Χαρακτηριστικά Ανάπτυξης Ιστοχώρου

μ μ : μ μ

- Hyper Text Markup Language (HTML)
- Cascading Style Sheets (CSS)
- PHP: Hypertext Preprocessor (PHP)
- JavaScript

μ μ MySQL (server) Apache.  
μ μ μ μ , μ μ  
«Acropolis\_OUC\_Museum». μ μ μ

Collections μ μ  
:

- CollectionId ( μ - ).
- Title ( ).
- Description ( ).
- ImageName ( μ μ ).
- MuseumMapImageName ( μ μ ).

Subcollections μ  
μ :

- SubcollectionId ( μ - ).

- Title ( ).
- Description ( ).
- CollectionId ( μ - μ Subcollections μ Collections).
- Exhibits μ μ μ :
- ExhibitId ( μ - μ ).
- Description ( μ ).
- ImageName ( μ μ μ ).
- SubcollectionId ( μ - μ Exhibits μ Subcollections).
- Contacts μ μ « ».
- ContactId ( - μ ).
- LastName ( μ ).
- FirstName ( μ ).
- EMailAddress ( e-mail ).
- Comment ( ).

μ  
 CreateDatabaseAndTables.sql scripts.

μ μ PHP, Apache  
 μ MySQL  
 CreateDatabaseAndTables.sql InsertIntoTables.sql.  
 scripts. μ μ

### 3.12.2 Τρόπος Λειτουργίας

μ  
 μ (link) , μ  
 μ μ  
 μ μ  
 :

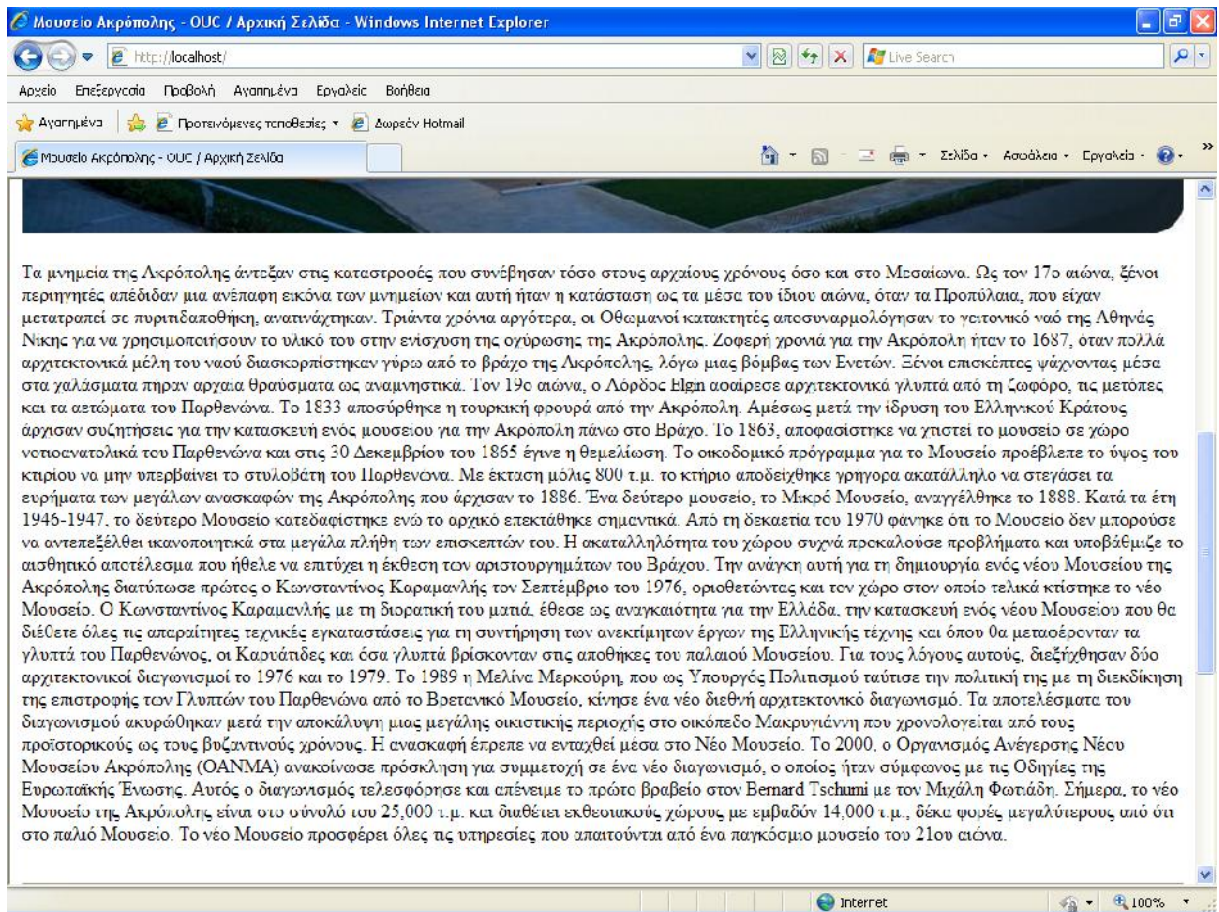
- 
- 
- 
- μ
- μ
- 
- 

« » μ  
 μ μ μ μ μ μ μ  
 ( 3.1, 3.2 3.3). μ μ  
 μ

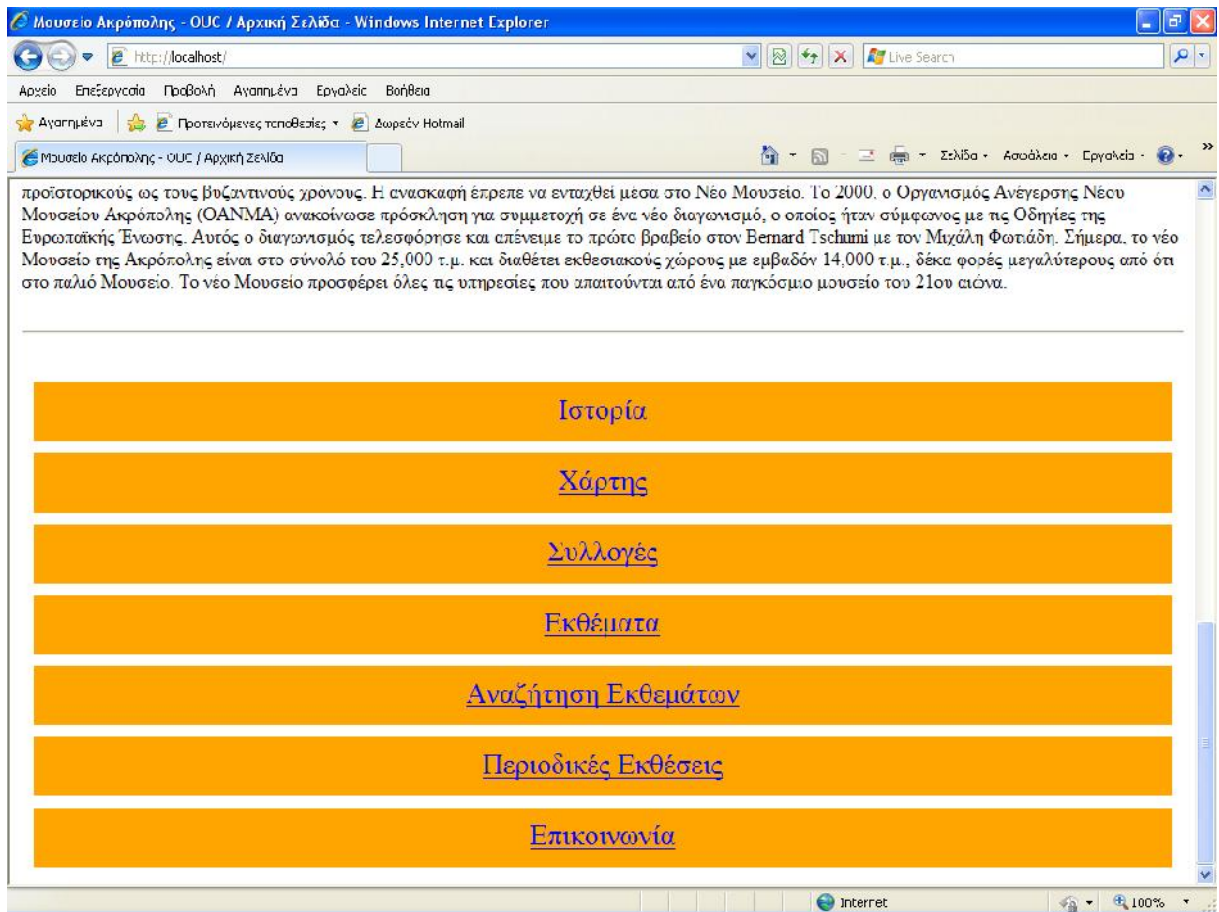




Εικόνα 3.1: « » ( 1 3).



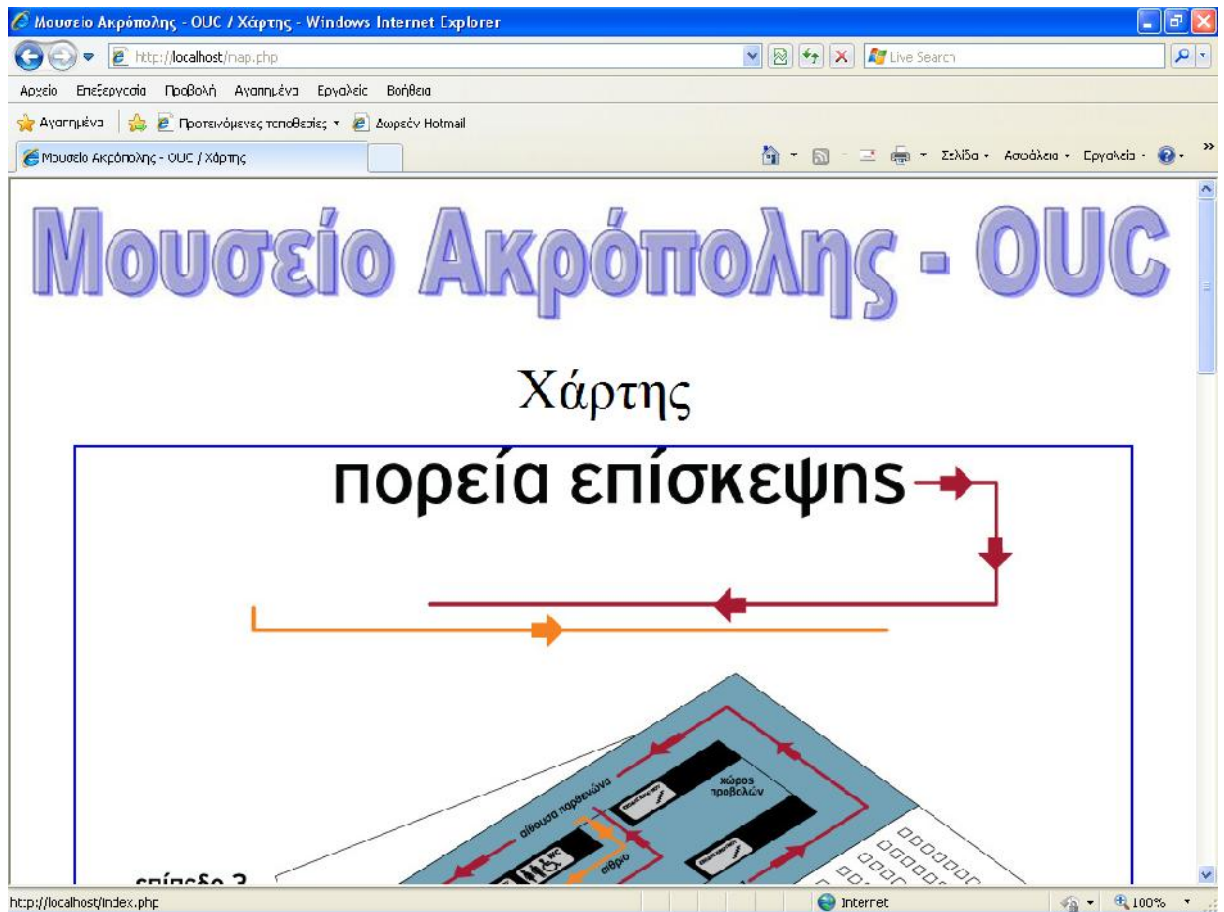
Εικόνα 3.2: « » ( 2 3).



Εικόνα 3.3:

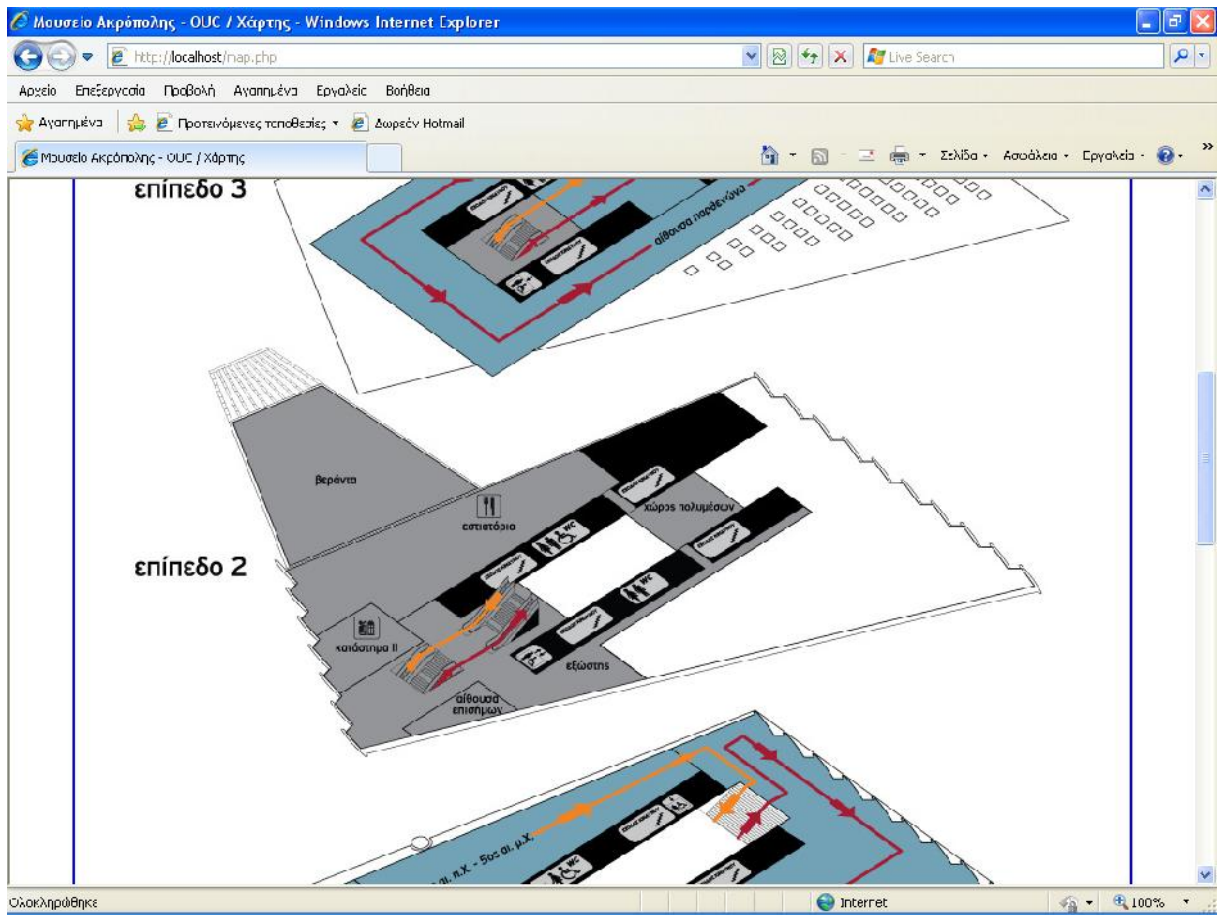
« » ( 3 3).

« », μ μ μ  
 μ ( 3.4, 3.5, 3.6 3.7). , μ  
 μ μ  
 , μ

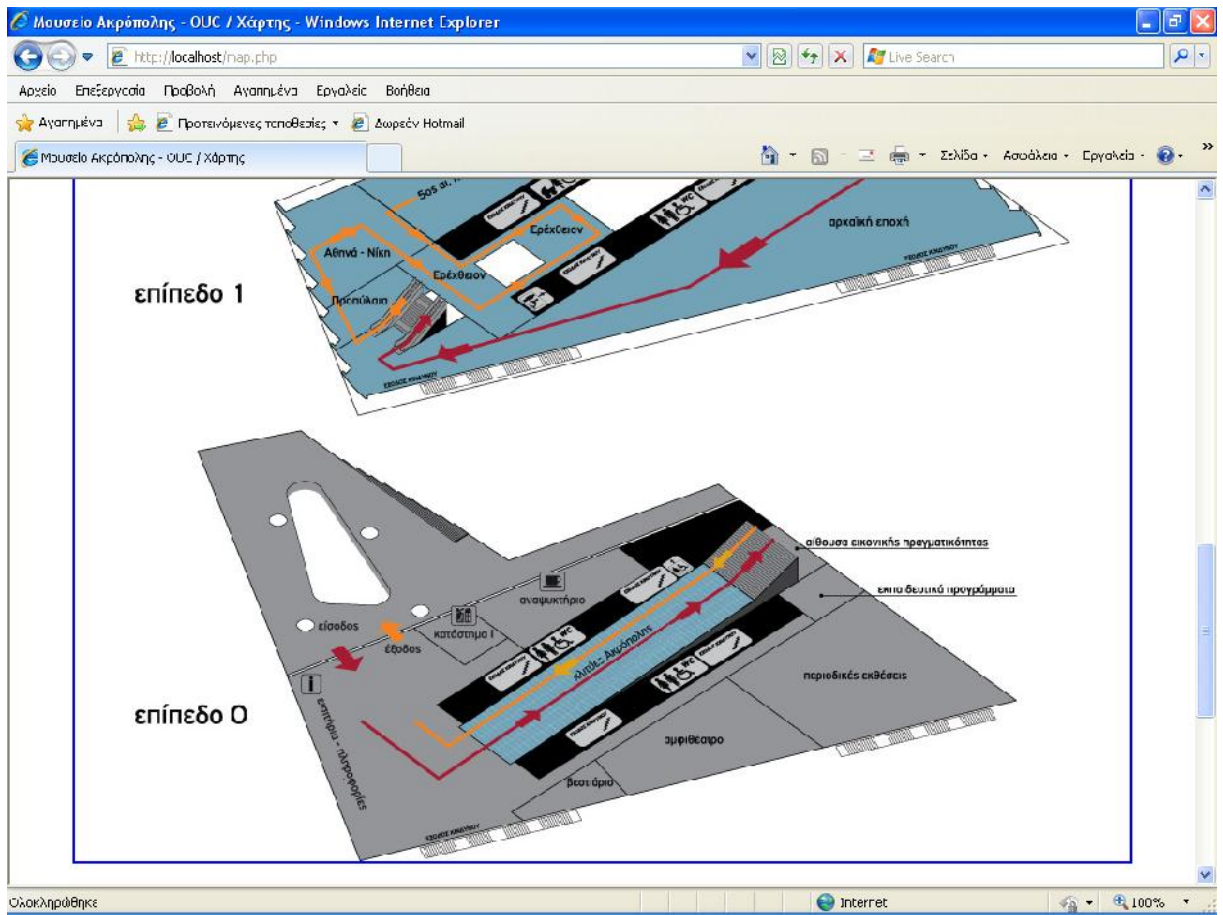


Εικόνα 3.4: « » ( 1 4).

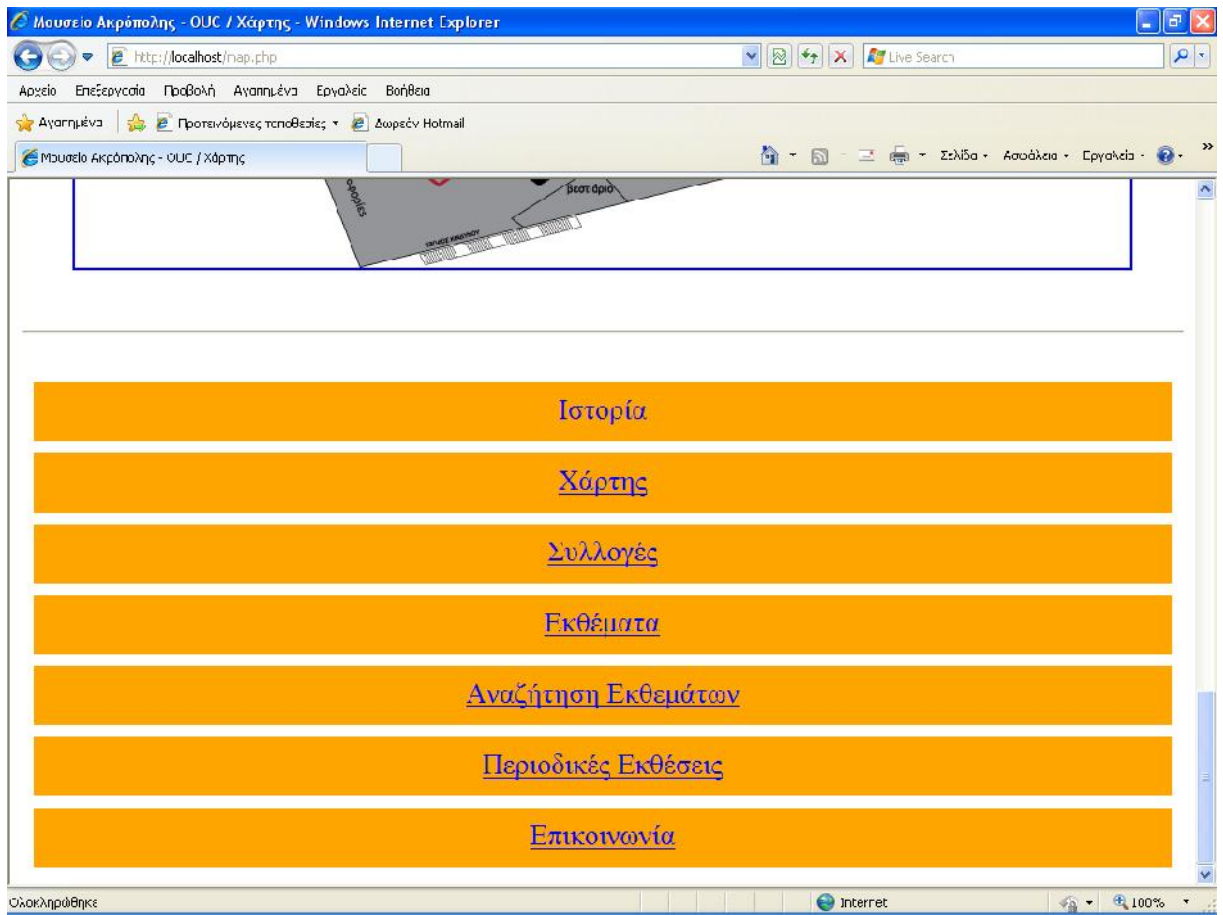




Εικόνα 3.5: ( 2 4).



Εικόνα 3.6: « » ( 3 4).

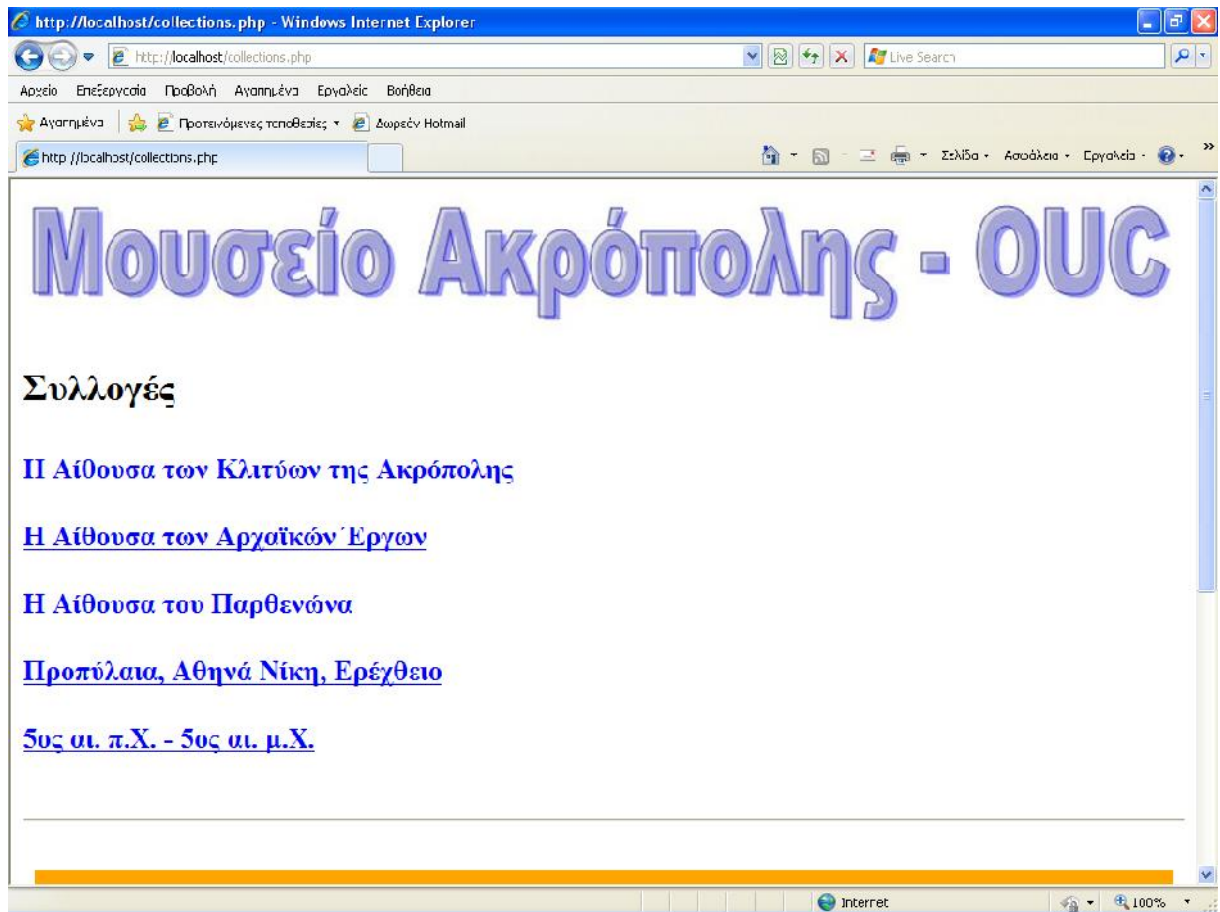


**Εικόνα 3.7:**

« » ( 4 4).

« », μ μ μ

μ μ μ ( 3.8 3.9).

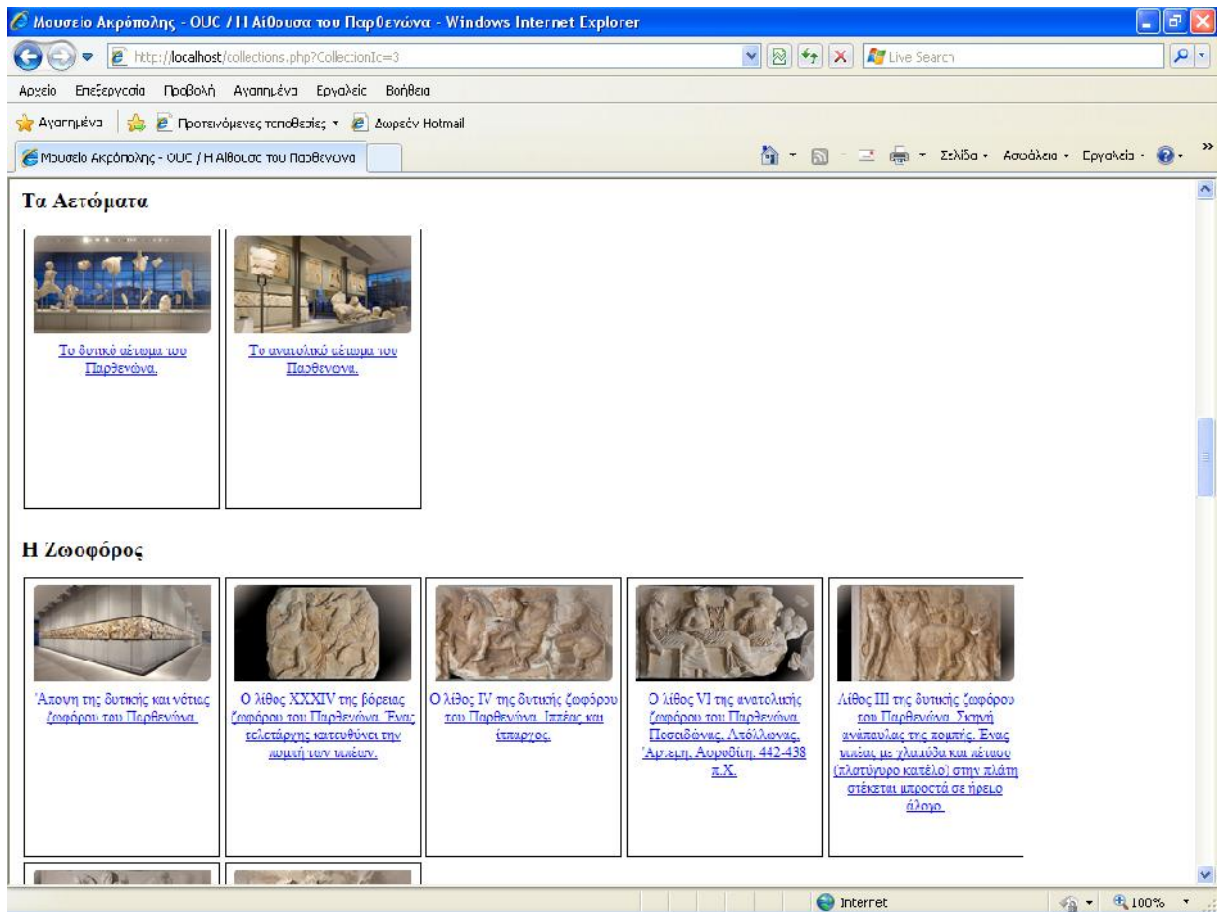


Εικόνα 3.8: « » ( 1 2).



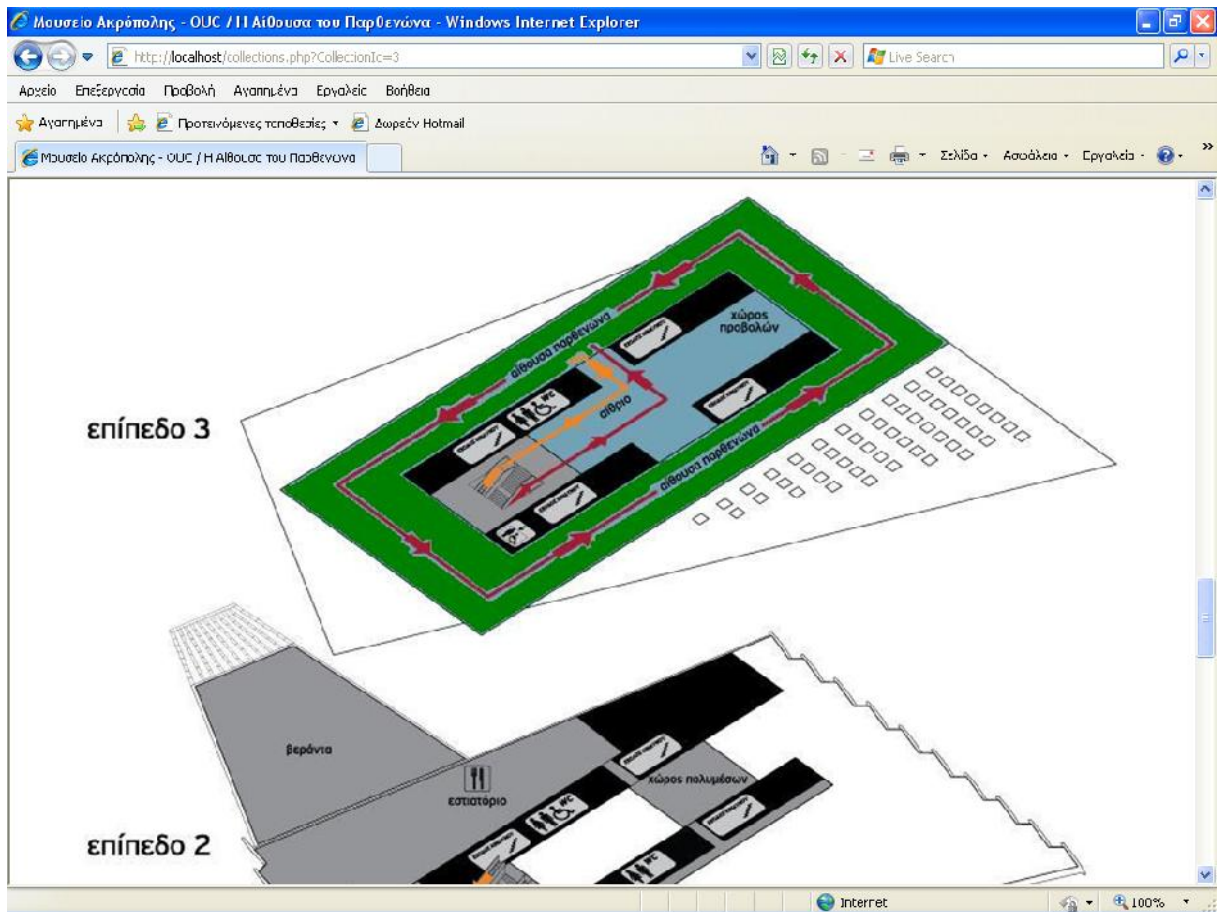






Εικόνα 3.11:

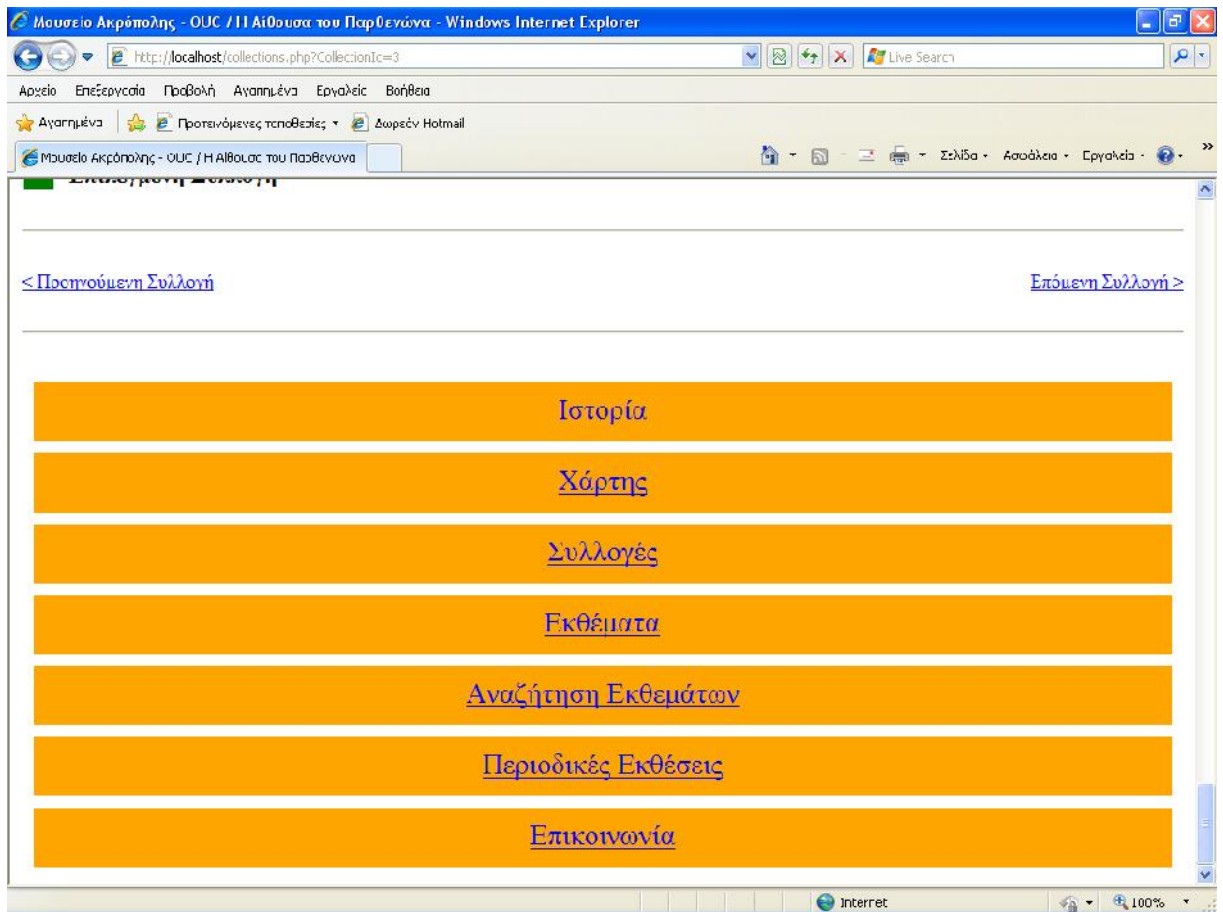
« ( 2 4).



Εικόνα 3.12:

«

» ( 3 4).

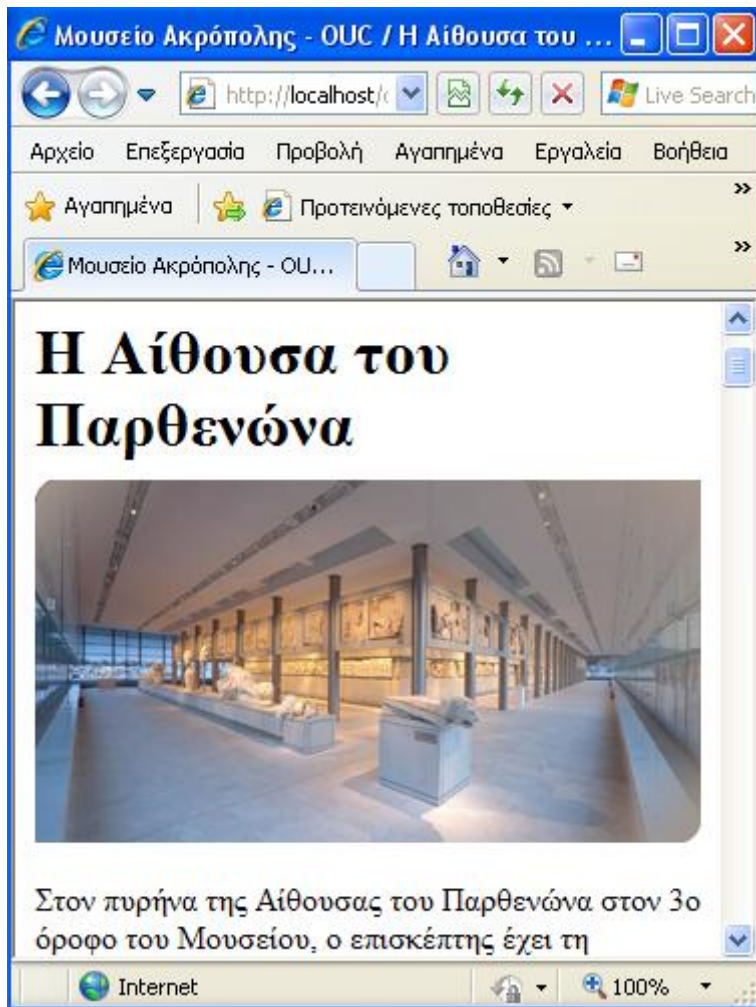


**Εικόνα 3.13:**

« ( 4 4).

3.14, 3.15, 3.16 3.17 μ μ μ

μ . μ ,  
 μ μ μ  
 μ .



**Εικόνα 3.14:**

μ ( 1 4).

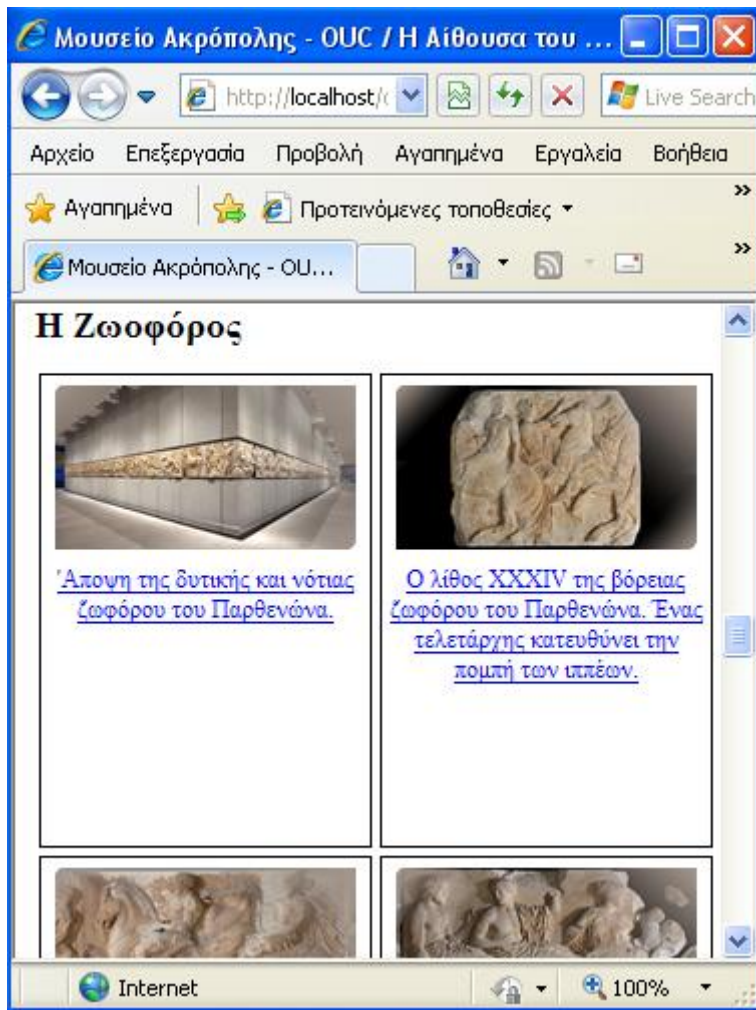
«

»

μ

μ





Εικόνα 3.15:

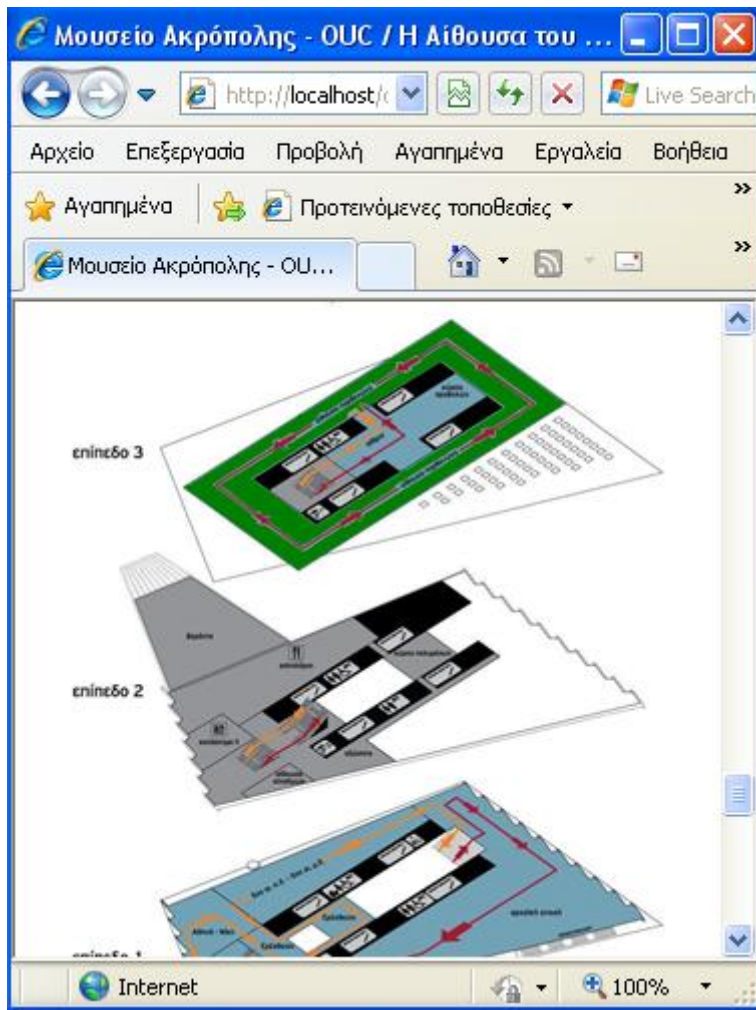
μ ( 2 4).

«

»

μ

μ



**Εικόνα 3.16:**

μ ( 3 4).

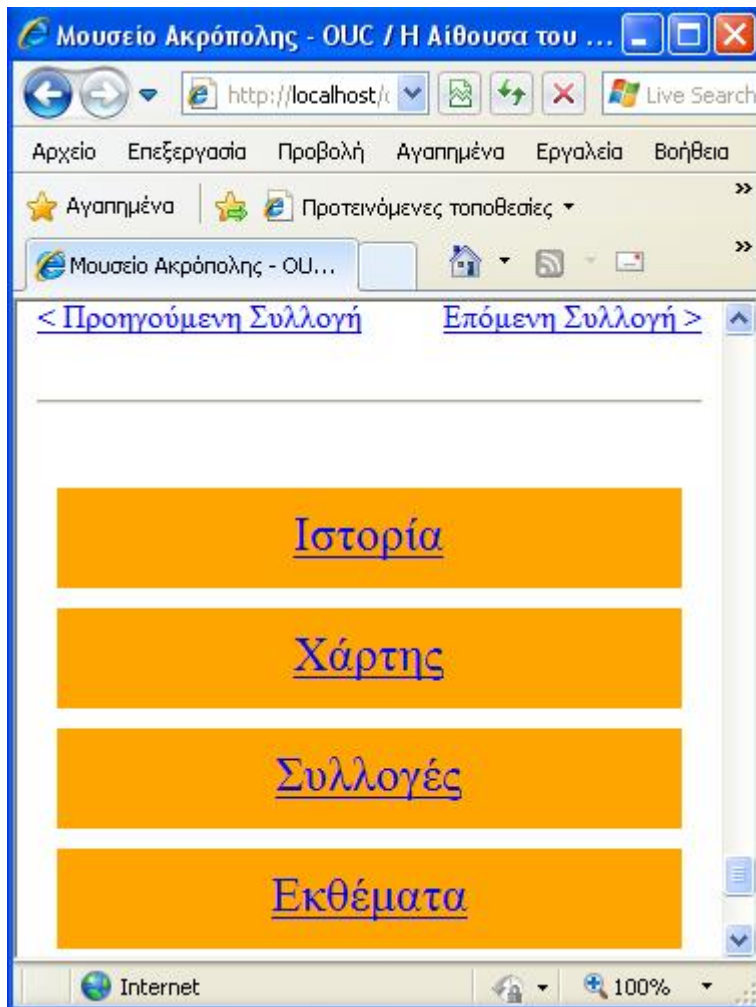
«

»

μ

μ





**Εικόνα 3.17:**

μ ( 4 4).

« μ » μ μ  
 μ μ , μ  
 μ μ μ μ  
 μ μ μ  
 μ .( 3.18 3.19).

Μουσείο Ακρόπολης - ΟΥΚ / Εκθέματα - Windows Internet Explorer
















http://localhost/exhibis\_images.php

Αρχείο Επεξεργασία Προβολή Αγαπημένα Εργαλεία Βοήθεια

Αγαπημένα Προτεινόμενες προσθεσίες Δωρεάν Hotmail

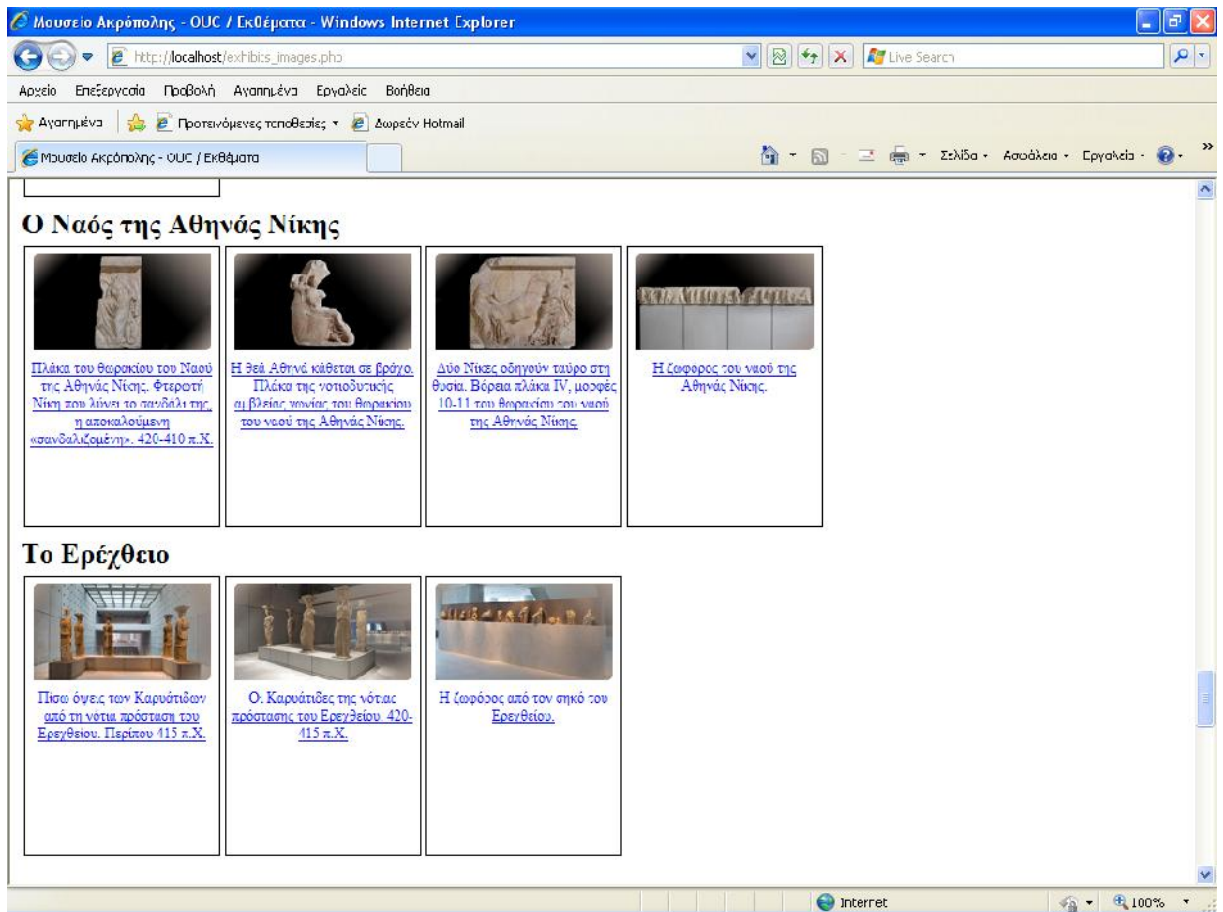
Μουσείο Ακρόπολης - ΟΥΚ / Εκθέματα

## Τα Αναθήματα

 <p><a href="#">Χάλκινα αναθήματα. Εξόλιμο που περιστάνει λιοντάρι, αρσενικό, σκύλο και πουλί. 6ος αι π.Χ.</a></p>	 <p><a href="#">Διπλό έλκισμα γάλκιστο. 1ε 7η μορφή της Αθηνάς. 520 π.Χ.</a></p>	 <p><a href="#">Η «Κόρη του Αντίνορα». Μάρμαρο Πάρου (ἀγάλισμα). Μάρμαρο Πεντέλης (ανεπίγραφο βάση) 525-510 π.Χ.</a></p>	 <p><a href="#">Η «Κόρη με τα μάτια της σφήγας». Μάρμαρο Πάρου. 500 π.Χ.</a></p>	 <p><a href="#">Χάλκινος δίσκος με παράσταση Γεργούς από το αετίωμα του νετρογεομετρικού ναού του Αθηνάς Πολιάδος. 660 π.Χ.</a></p>
 <p><a href="#">Χάλκινα αετιόματα στην Αθηνά. Από αρσενικά προς τη δεξιά: Αθηνά Πρωμάχος. Τέλος 6ου-αρχές 5ου αι. π.Χ. - Αθηνά Στήριγμα καιθεοτή. 500 π.Χ. - Αθηνά Πρωμάχος. 530-520 π.Χ.</a></p>	 <p><a href="#">Χάλκινο ανδρικό αγάλισμα. Αθηνάϊκό άλγισμα. Γύρω στο 500 π.Χ.</a></p>	 <p><a href="#">Ο Μοισσοφόρος. Μάρμαρο Υμητιού (ἀγάλισμα). Παράθετος (ανεπίγραφο βάση). Το άγαλμα αφαιρέθηκε ο Ρόμβος, ο γιος του Πάλου. Γύρω στο 570 π.Χ.</a></p>	 <p><a href="#">Ο «απίεος Ραμπίν». Μάρμαρο Πάρου. Το κεφάλι είναι γλυπτική αντίγραφο του πρωτότυπου, που βρέθηκε στο Λούβρο, προερχόμενο από τη συλλογή του G. Rampin. 550 π.Χ.</a></p>	 <p><a href="#">Η «Πελοφόρος Κόρη». Τεχνητή παρτίκις τη θεά Αρτεμη. Μάρμαρο Πάρου. 530 π.Χ.</a></p>
				

Internet 100%

Εικόνα 3.18: μ ( 1 2).



Εικόνα 3.19: μ ( 2 2).

μ μ ,  
 μ μ .  
 μ , μ  
 μ μ  
 μ : μ  
 • μ .  
 • μ .  
 • μ μ .  
 • μ , μ μ  
 μ μ μ ,  
 μ .





**Εικόνα 3.20:**

« μ . μ . 455–440 . » ( 1 4). μ μ


Μουσείο Ακρόπολης - ΟΥΚ / Η Αίθουσα των Κλιτύων της Ακρόπολης - Windows Internet Explorer

http://localhost/exhibis.php?Exhibici=6

Αρχείο Επεξεργασία Προβολή Αγαπημένα Εργαλεία Βοήθεια

Αγαπημένα Προτεινόμενες προθεσίες Δωρεάν Hotmail

Μουσείο Ακρόπολης - ΟΥΚ / Η Αίθουσα των Κλιτύων τ...



**Ερυθρόμορφη λουτροσόφος. Νεόνυμφοι. 455-440 π.Χ.**

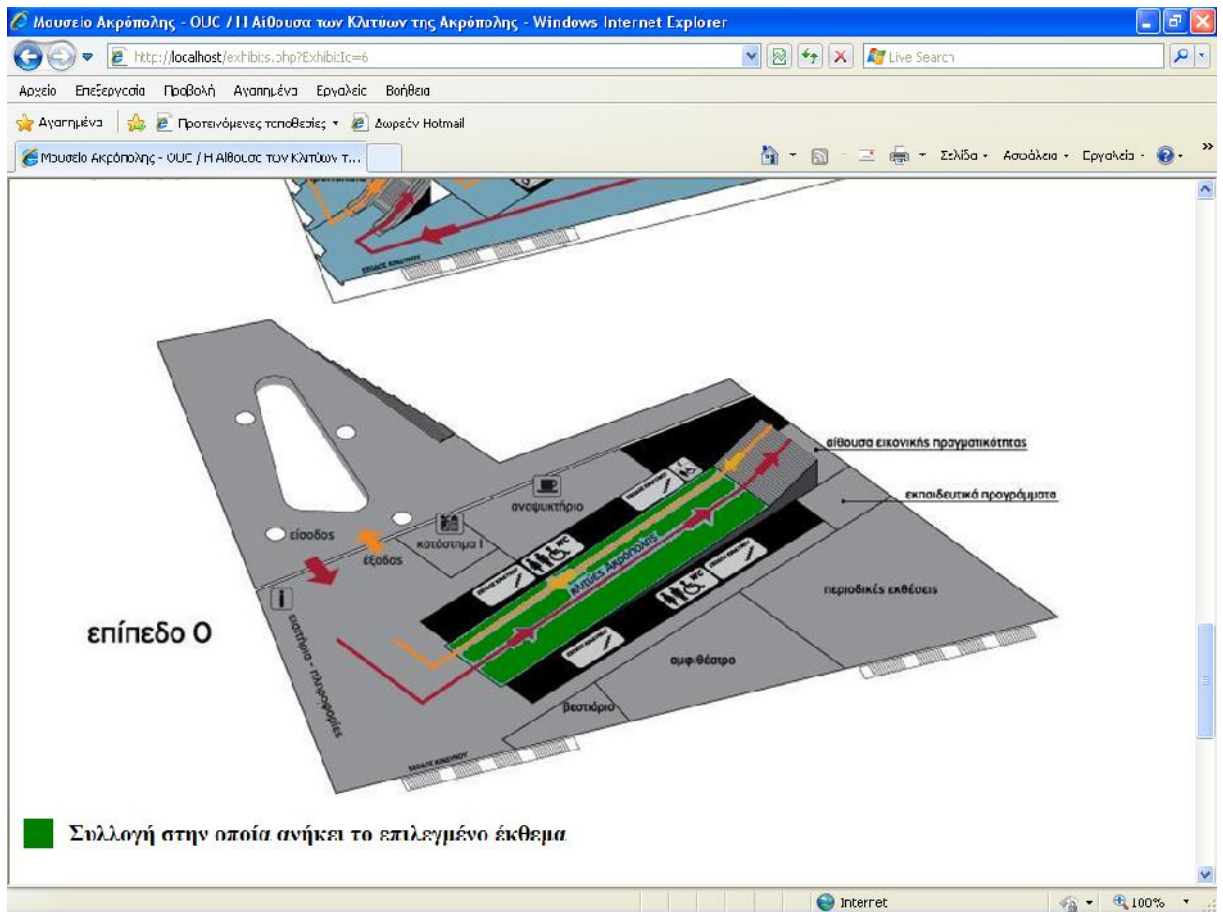
Περιγραφή από την υποσυλλογή "Ο Οικισμός":

Ανάμεσα στα ιερά ή λίγο χαμηλότερα από αυτά, οι αρχαιολογικές ανασκαφές έφεραν στο φως τμήματα του οικιστικού ιστού της αρχαίας Αθήνας και κατέδειξαν τη σχεδόν συνεχή χρήση του, από το τέλος της νεολιθικής εποχής (περί το 3000 π.Χ.), έως και την ύστερη αρχαιότητα (6ος αι. μ.Χ.), αλλά και αργότερα. Αποκάλυψαν σπίτια και εργαστήρια, δρόμους και πλατείες, πηγάδια και δεξαμενές, αλλά και χιλιάδες αντικείμενα που άφησαν πίσω τους οι αρχαίοι κάτοικοι της περιοχής. Τα περισσότερα είναι πύλινα, αφού άλλα από φθαρτά υλικά χάθηκαν και τα πολύτιμα λεηλατήθηκαν. Πρόκειται για επιτραπέζια σκεύη και αγγεία συμποσίου, μαγειρικά σκεύη, ορωματοδοχεία, σκεύη για καλλυντικά και κοσμήματα, παιδικά παιχνίδια και πολλά άλλα.

Internet 100%

**Εικόνα 3.21:**

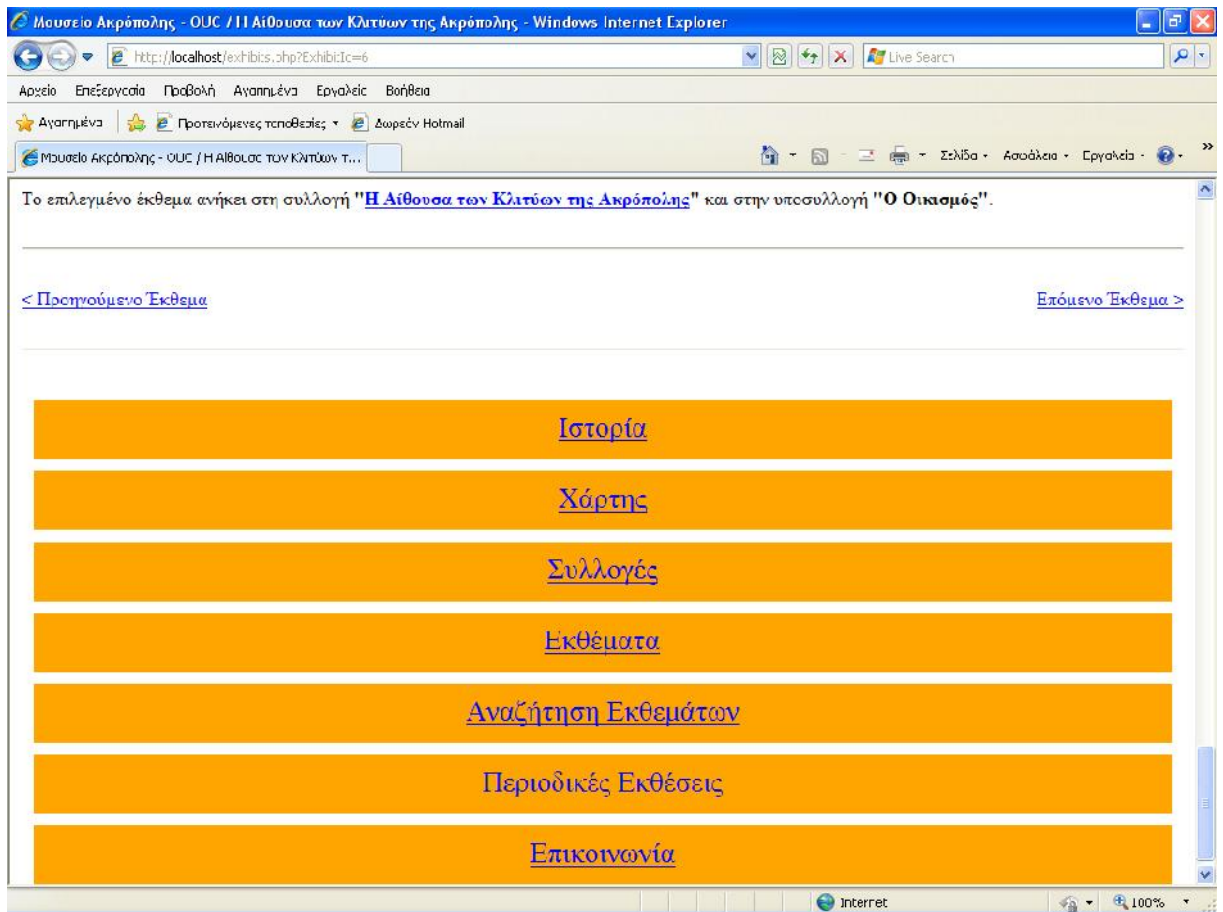
« μ . μ . 455-440 . » ( 2 4). μ μ



Εικόνα 3.22:

« μ . μ .455–440 . »( 3 4). μ μ





Εικόνα 3.23:

« μ . μ . 455–440 . . » ( 4 4).  
 « μ », μ μ  
 μ , « », μ μ  
 μ ( 3.24).





Εικόνα 3.24:

μ .  
 μ , μ , μ  
 μ . μ  
 μ μ ,  
 μ μ . 3.25 μ  
 μ « »



Εικόνα 3.25:

μ

«

».

«

»,

μ

μ

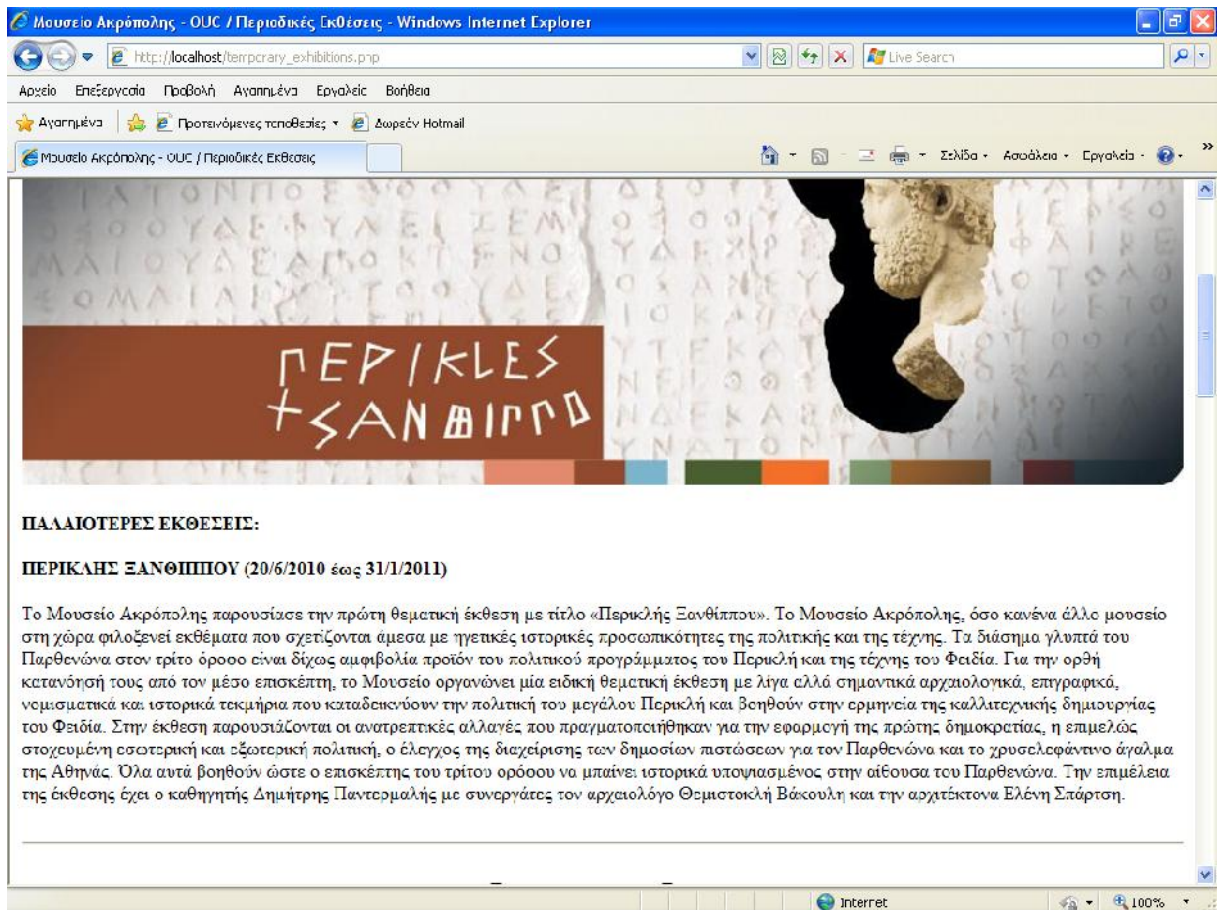
μ

μ

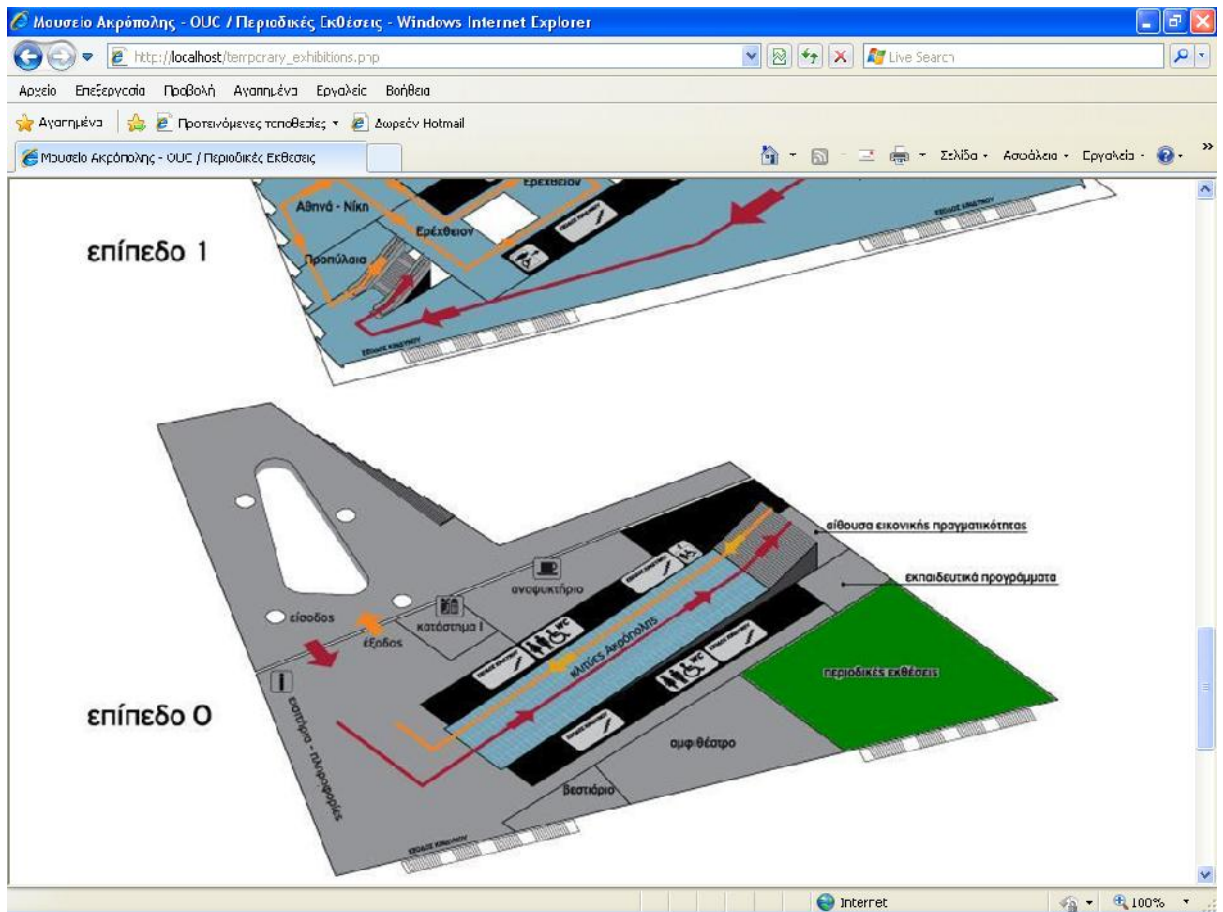
( 3.26, 3.27 3.28).



Εικόνα 3.26: « » ( 1 3).



Εικόνα 3.27: « » ( 2 3).



Εικόνα 3.28:

« » ( 3 3).

« », μ μ ( 3.29)

μ , μ

μ . . . μ :

- μ .

- μ .

- e-mail.

- .

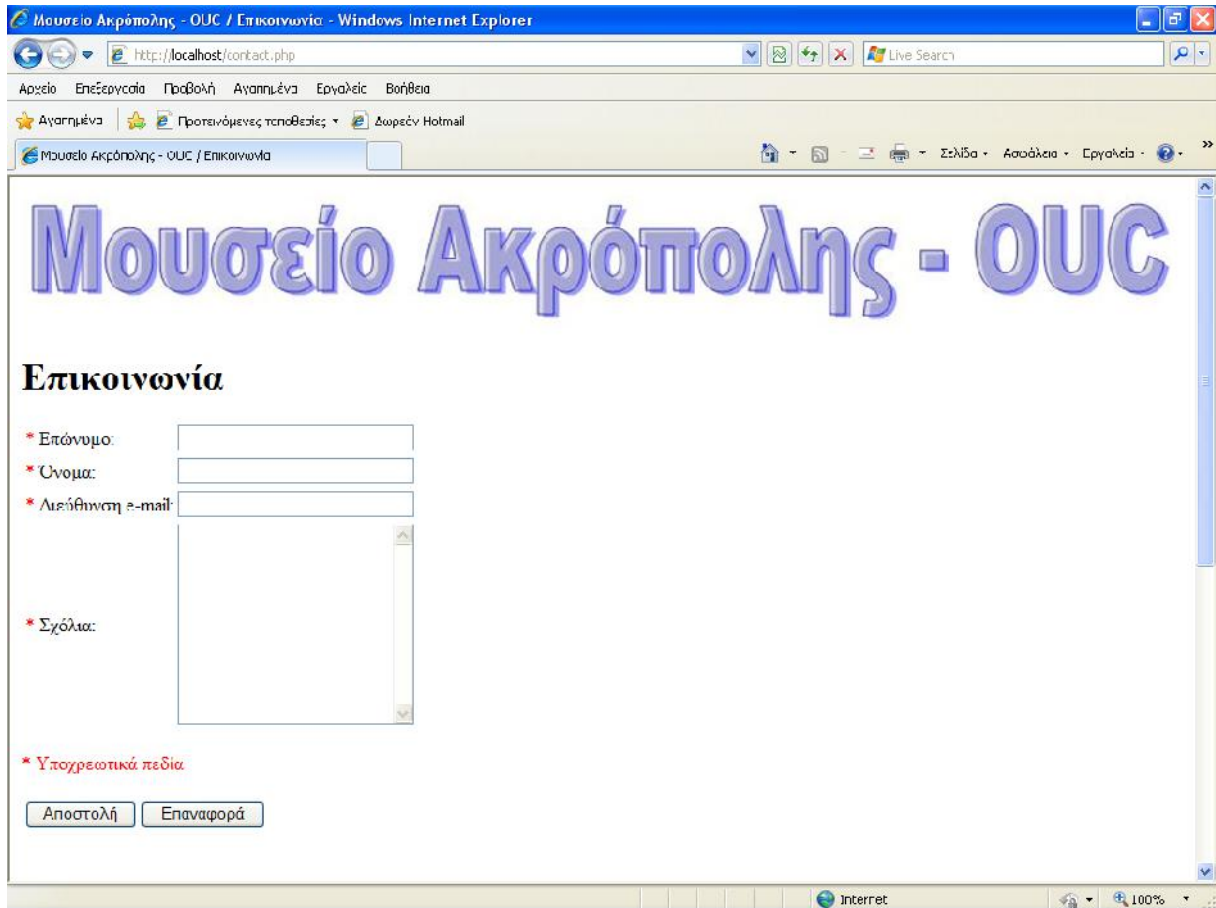
μ « ».

μ « »,

μ μ

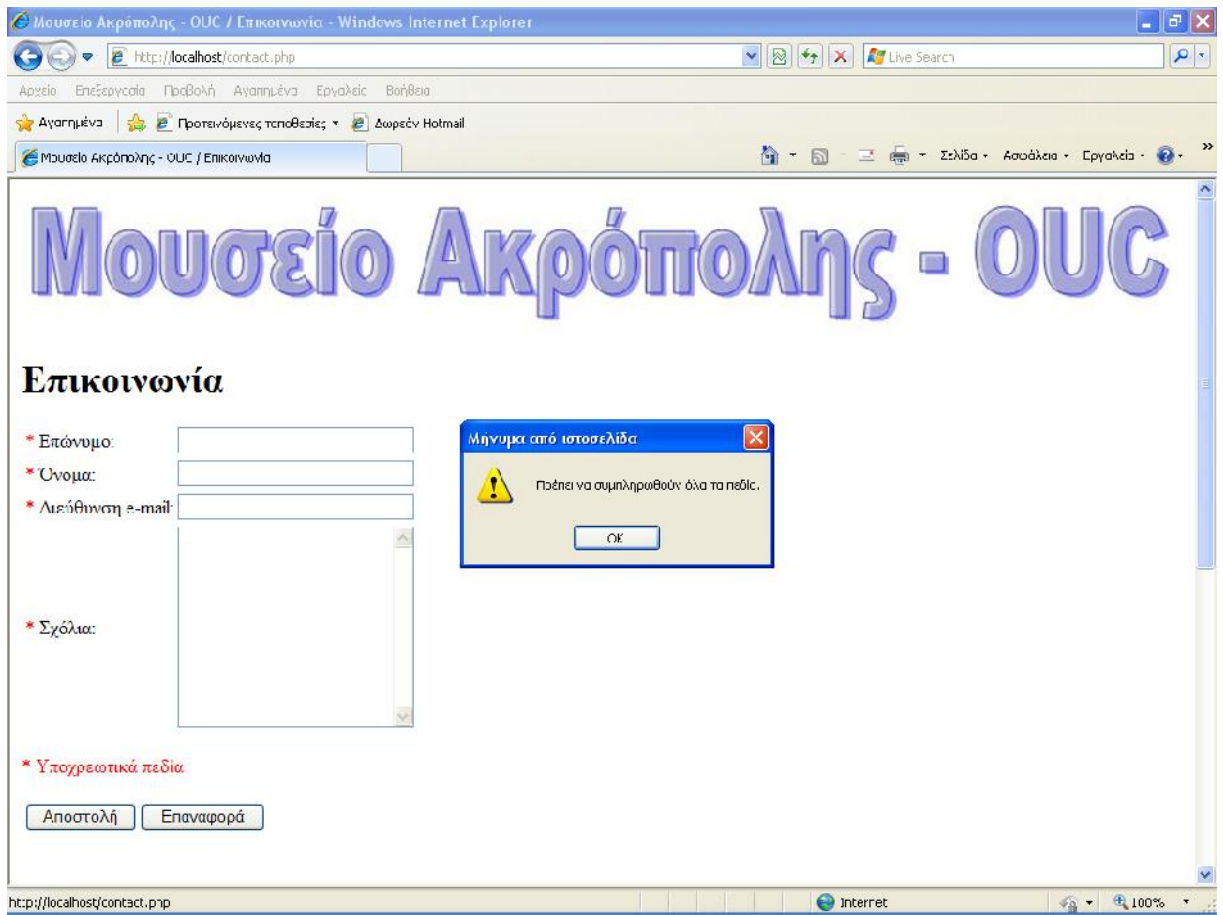


μ  
μ μ μ μ μ  
μ ( 3.30). μ  
μ μ μ μ  
μ ( 3.31).



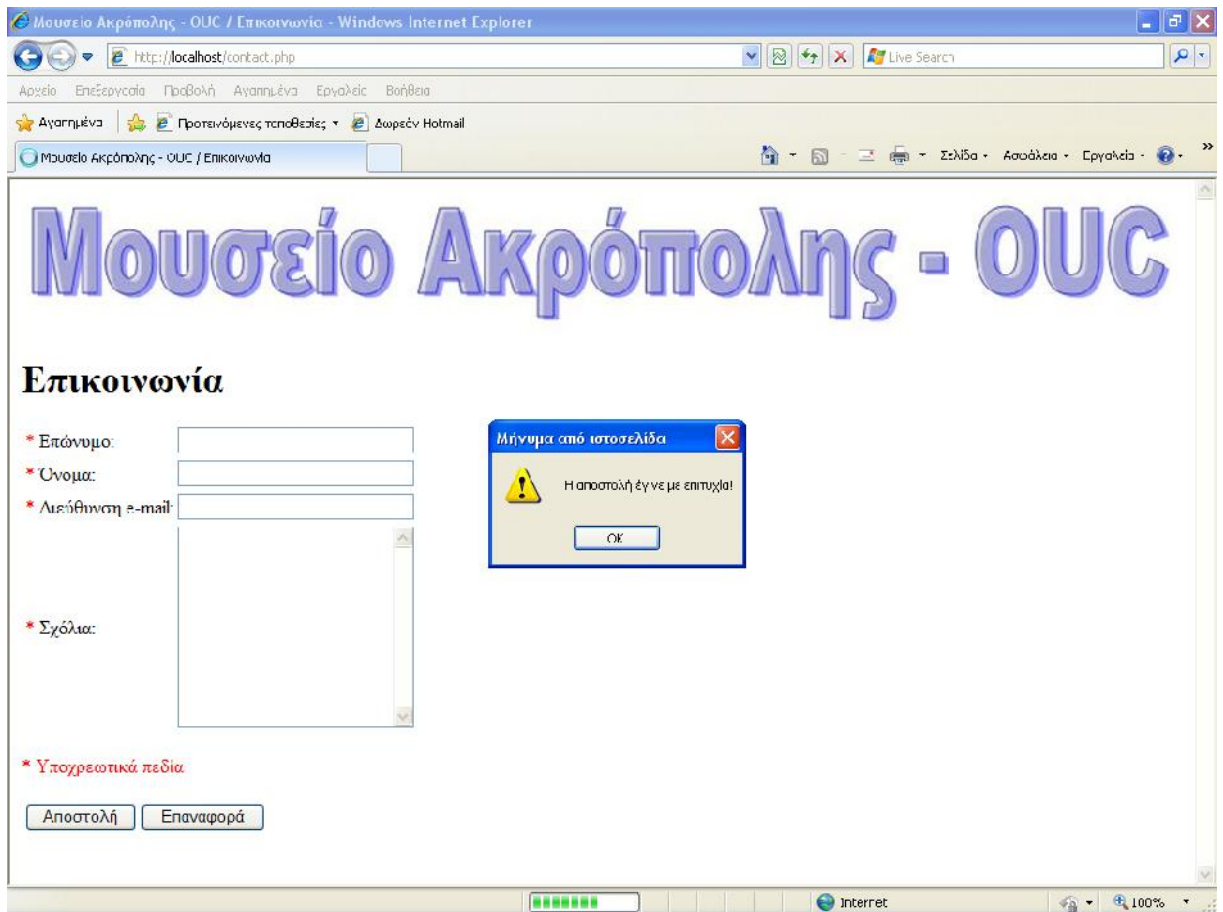
Εικόνα 3.29:

« ».



Εικόνα 3.30:

« », μ « », μ μ μ μ μ



Εικόνα 3.31:

μ μ μ

μ

μ

, μ







## Βιβλιογραφία

- [001] Beavis, Gareth. "Nokia brings NFC technology to London museum." 12 Aug. 2011. 20 May 2012 <<http://www.techradar.com/news/phone-and-communications/mobile-phones/nokia-brings-nfc-technology-to-london-museum-991154>>.
- [002] Bolton, Matt. "What Is NFC and Why Is It In Your Phone?." 27 Apr. 2011. 20 May 2012 <<http://www.techradar.com/news/phone-and-communications/nfc-in-phones-what-you-need-to-know-948410>>.
- [003] Fahy, Anne. "New Technologies for Museum Communication." 20 May 2012 <[http://www.google.gr/books?hl=el&lr=&id=D-XfoS5LRr8C&oi=fnd&pg=PA82&dq=new+technologies+museums&ots=FZhl\\_xlNfy&sig=TAJSvVf3jcocoWJGU4pOG3QmZ88&redir\\_esc=y#v=onepage&q=new%20technologies%20museums&f=false](http://www.google.gr/books?hl=el&lr=&id=D-XfoS5LRr8C&oi=fnd&pg=PA82&dq=new+technologies+museums&ots=FZhl_xlNfy&sig=TAJSvVf3jcocoWJGU4pOG3QmZ88&redir_esc=y#v=onepage&q=new%20technologies%20museums&f=false)>.
- [004] Fox, Zoe. "5 Ways Museums Are Reaching Digital Audiences." 12 Aug 2011. 18 May 2012 <<http://mashable.com/2011/08/11/museums-digital/>>.
- [005] Freudenrich, Craig, and Carmen Carmack. "How PDAs Work." *Howstuffworks*. 19 May 2012 <<http://electronics.howstuffworks.com/gadgets/travel/pda.htm>>.
- [006] Griffiths, Alison. "Media Technology and Museum Display: A Century of Accommodation and Conflict." 17 May 2012 <<http://web.mit.edu/comm-forum/papers/griffiths.html>>.
- [007] Kirk, Judith. "Accessibility and New Technology in the Museum." *Museums and the Web* 2001. 18 May 2012 <<http://www.museumsandtheweb.com/mw2001/papers/kirk/kirk.html>>.
- [008] Mitchell, Jess, Jutta Treviranus, and Jennifer Czajkowski. "New Technology in the Museum: A Case Study of Three Museums in the Fluid Community Working Together." 18 May 2012 <<http://www.museumsandtheweb.com/mw2010/papers/mitchell/mitchell.html>>.

- [009] Sherman, Aliza. "How Tech Is Changing the Museum Experience." 14 Sep. 2011. 18 May 2012 <<http://news.yahoo.com/tech-changing-museum-experience-092805548.html>>.
- [010] Tallon, Loik, and Kevin Walker. "Digital Technologies and the Museum Experience." 18 May 2012 <<http://www.slideshare.net/LoicT/00-loic-bk-extract>>.
- [011] Vom Lehn, Dirk, and Christian Heath. "Accounting for New Technology in Museum Exhibitions." *International Journal of Arts Management*, Vol. 7(3), pp. 11-21, 2005. 20 May 2012  
<[http://kcl.academia.edu/DirkvomLehn/Papers/114362/Accounting\\_for\\_New\\_Technology\\_in\\_Museum\\_Exhibitions](http://kcl.academia.edu/DirkvomLehn/Papers/114362/Accounting_for_New_Technology_in_Museum_Exhibitions)>.
- [012] Witchey, Walter, Howell J. Parry, Eugene Maurakis, David Hagan, Maia Werner-Avidon, Chuck Howarth, Don Pohlman, and Clark Dodsworth. "Museums in Transition: Emerging Technologies as Tools for Free-Choice Learning." 2006. 20 May 2012 <<http://www.gyroscopeinc.com/articles/MuseumsInTransition.pdf>>.
- [013] "New Technologies Transform the Art Museum Experience." 26 May 2005. 19 May 2012 <<http://newsinfo.iu.edu/news/page/normal/2129.html>>.
- [014] "2.4 New Technologies and Museums in the Future." 20 May 2012 <[http://www.pro.rcip-chin.gc.ca/carrefour-du-savoir-knowledge-exchange/travailleurs\\_savoir-knowledge\\_workers/2\\_4-eng.jsp](http://www.pro.rcip-chin.gc.ca/carrefour-du-savoir-knowledge-exchange/travailleurs_savoir-knowledge_workers/2_4-eng.jsp)>.
- [015] "Artists in Dialogue 2." *Smithsonian*. 18 May 2012 <<http://www.si.edu/apps/ad2>>.
- [016] "Chandra X-ray Observatory." 20 May 2012 <<http://chandra.harvard.edu/mobile/>>.
- [017] "Encyclopedia of Life Uploader." *Smithsonian*. 18 May 2012 <<http://www.si.edu/apps/eol>>.
- [018] "ICT (Information and Communications Technology – or Technologies)." 19 May 2012 <<http://searchcio-midmarket.techtarget.com/definition/ICT>>.
- [019] "Infinity of Nations." *Smithsonian*. 18 May 2012 <<http://www.si.edu/apps/infinity-nations>>.

- [020] "LeafSnap." *Smithsonian*. 18 May 2012 <<http://www.si.edu/apps/leafsnap>>.
- [021] "MEanderthal." *Smithsonian*. 18 May 2012 <<http://www.si.edu/apps/meanderthal>>.
- [022] "Owney the Dog." *Smithsonian*. 18 May 2012 <<http://www.si.edu/apps/owney>>.
- [023] "RFID." 17 May 2012 <<http://el.wikipedia.org/wiki/RFID>>.
- [024] "Set In Style." *Smithsonian*. 18 May 2012 <<http://www.si.edu/apps/setinstyle>>.
- [025] "Smithsonian Channel." *Smithsonian*. 18 May 2012 <<http://www.si.edu/apps/si-channel>>.
- [026] "Smithsonian Mobile." *Smithsonian*. 17 May 2012 <<http://www.si.edu/apps/SmithsonianMobile>>.
- [027] "Smithsonian National Museum of Natural History." 20 May 2012 <<http://www.mnh.si.edu/mobile/>>.
- [028] "Smithsonian National Postal Museum." 17 May 2012 <<http://npm.si.edu/mobile/>>.
- [029] "Stories from Main Street." *Smithsonian*. 18 May 2012 <<http://www.si.edu/apps/mainstreet>>.
- [030] "Technology." *Wikipedia The Free Encyclopedia*. 19 May 2012 <<http://en.wikipedia.org/wiki/Technology>>.
- [031] "The Gosmithsonian Trek." 17 May 2012 <<http://www.gosmithsonian.com/scvngr/>>.
- [032] "Yves Klein: With the Void, Full Powers." *Smithsonian*. 18 May 2012 <<http://www.si.edu/apps/YvesKlein>>.
- [033] "5 . . . – 5 . μ. .." 20 May 2012 <<http://www.theacropolismuseum.gr/default.php?pname=Othercollections&la=1>>.

- [034] "5 . . . – 5 . μ. .." 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Othercollections&la=1&collection=10>>.
- [035] "5 . . . – 5 . μ. .." 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Othercollections&la=1&collection=11>>.
- [036] "5 . . . – 5 . μ. .." 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Othercollections&la=1&collection=11&item=37>>.
- [037] "5 . . . – 5 . μ. .." 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Othercollections&la=1&collection=11&item=36>>.
- [038] "5 . . . – 5 . μ. .." 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Othercollections&la=1&collection=11&item=111>>.
- [039] "5 . . . – 5 . μ. .." 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Othercollections&la=1&collection=12&item=34>>.
- [040] "5 . . . – 5 . μ. .." 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Othercollections&la=1&collection=12&item=112>>.
- [041] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1>>.
- [042] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=13>>.

- [043] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=14>>.
- [044] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=14&item=38>>.
- [045] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=14&item=97>>.
- [046] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=15>>.
- [047] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=15&item=100>>.
- [048] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=16>>.
- [049] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=16&item=29>>.
- [050] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=16&item=28>>.
- [051] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=16&item=9>>.

- [052] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=16&item=104>>.
- [053] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=16&item=105>>.
- [054] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Parthenon&la=1&collection=16&item=146>>.
- [055] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1>>.
- [056] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=8>>.
- [057] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=9>>.
- [058] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17>>.
- [059] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=31>>.
- [060] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=30>>.



- [061] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=32>>.
- [062] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=84>>.
- [063] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=94>>.
- [064] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=93>>.
- [065] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=92>>.
- [066] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=91>>.
- [067] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=90>>.
- [068] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=89>>.
- [069] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=88>>.

- [070] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=87>>.
- [071] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=86>>.
- [072] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=85>>.
- [073] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=145>>.
- [074] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=ArchaicAcropolis&la=1&collection=17&item=144>>.
- [075] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1>>.
- [076] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=6>>.
- [077] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=6&item=17>>.
- [078] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=6&item=18>>.

- [079] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=6&item=78>>.
- [080] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=6&item=79>>.
- [081] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=6&item=80>>.
- [082] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7>>.
- [083] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7&item=4>>.
- [084] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7&item=20>>.
- [085] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7&item=21>>.
- [086] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7&item=51>>.
- [087] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7&item=81>>.

- [088] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7&item=82>>.
- [089] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7&item=83>>.
- [090] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7&item=143>>.
- [091] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=AcropolisSlopes&la=1&collection=7&item=142>>.
- [092] " " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=PeriodicExhibitions&la=1>>.
- [093] " , " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Mnimeia&la=1>>.
- [094] " , " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Mnimeia&la=1&collection=18>>.
- [095] " , " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Mnimeia&la=1&collection=19>>.
- [096] " , " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Mnimeia&la=1&collection=19&item=106>>.

- [097] " , , " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Mnimeia&la=1&collection=19&item=107>>.
- [098] " , , " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Mnimeia&la=1&collection=19&item=108>>.
- [099] " , , " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Mnimeia&la=1&collection=20>>.
- [100] " , , " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Mnimeia&la=1&collection=20&item=12>>.
- [101] " , , " 20 May 2012  
<<http://www.theacropolismuseum.gr/default.php?pname=Mnimeia&la=1&collection=20&item=109>>.
- [102] " , " 18 May 2012  
<[http://www.theacropolismuseum.gr/default.php?pname=trisdiastates\\_provoles&la=1](http://www.theacropolismuseum.gr/default.php?pname=trisdiastates_provoles&la=1)>.
- [103] *Ekahau*. 17 May 2012  
<[http://www.airquay.com/pds/airquay\\_manual4/EAN\\_Museum.PDF](http://www.airquay.com/pds/airquay_manual4/EAN_Museum.PDF)>.
- [104] Smithsonian. 19 May 2012 <<http://www.si.edu/Connect/Mobile#SocialMedia>>.
- [105] *The Tech Museum*. 20 May 2012 <<http://my.thetech.org/>>.
- [106] *Xmarks*. 17 May 2012  
<[http://www.xmarks.com/site/www.metmuseum.org/mymetmuseum/%3FHomePageLink=mymetmuseum\\_1](http://www.xmarks.com/site/www.metmuseum.org/mymetmuseum/%3FHomePageLink=mymetmuseum_1)>.
- [107] 17 May 2012 <<http://4.bp.blogspot.com/-kkomq6v7z8w/Tv9A3F0O6BI/AAAAAAAAEB8/E48a-zln6q0/s1600/leaf-snap.jpg>>.

- [108] 17 May 2012 <<http://www.148apps.com/wp-content/uploads/2011/05/mzl.fvnmynsd.320x480-75-200x300.jpg>>.
- [109] 17 May 2012 <<http://www.aeonity.com/images/store/free-photo-ipod-2.jpg>>.
- [110] 18 May 2012 <<http://www.sciencephoto.com/media/429107/enlarge>>.

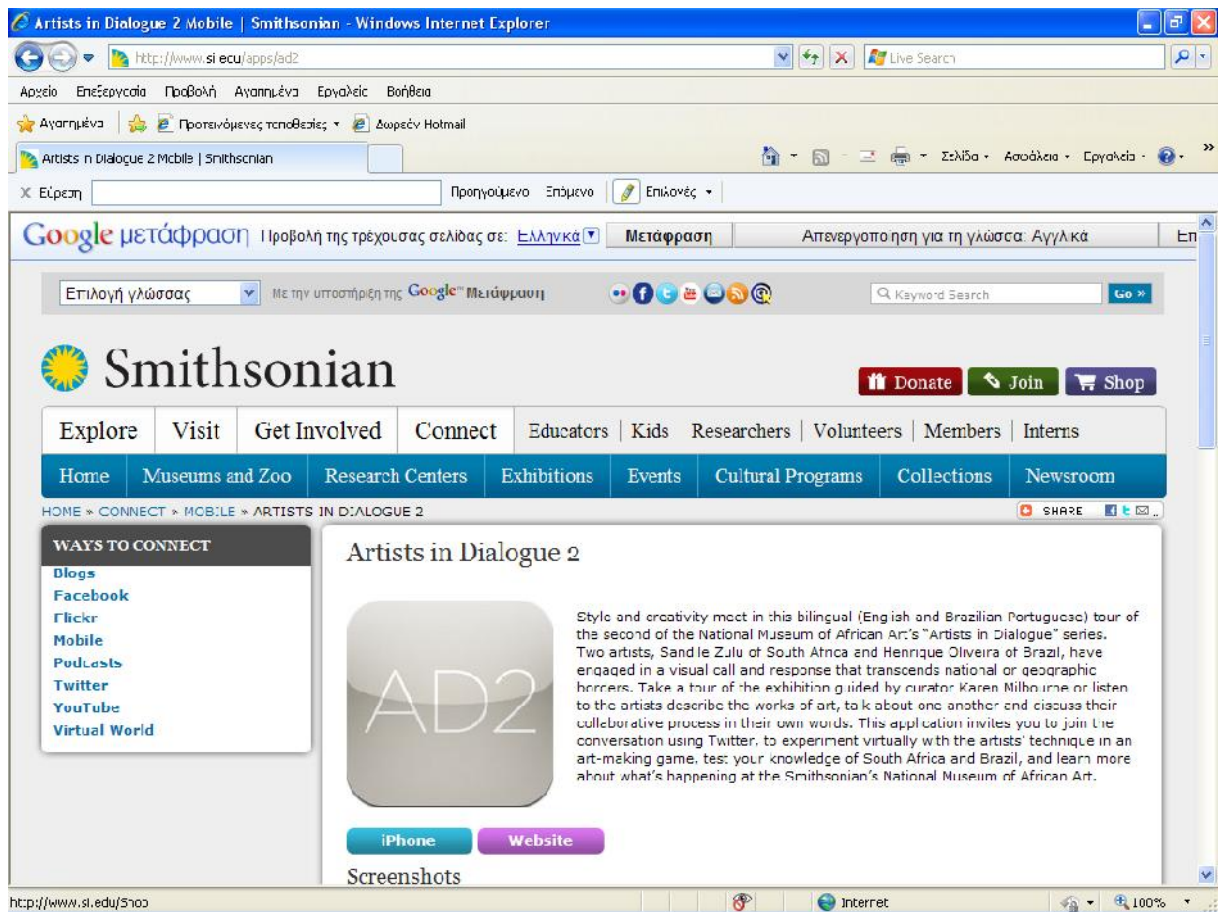
# Παράρτημα Α

## Εφαρμογές για Κινητά και Ιστοχώροι για Κινητά

μ μ μ

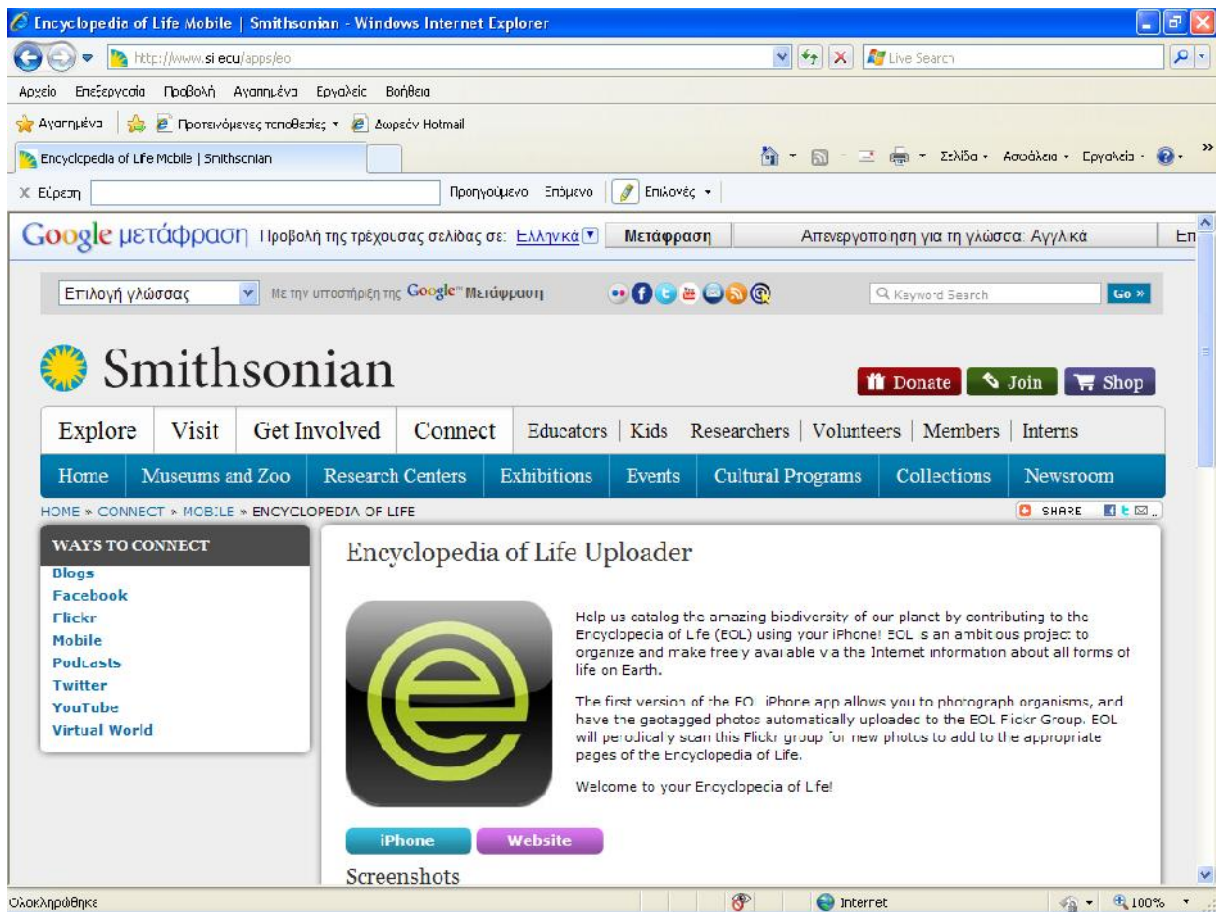
### A.1 Εφαρμογές για Κινητά (Mobile Applications)

μ μ :



**Εικόνα Α.1:** Artists in Dialogue 2 (<http://www.si.edu/apps/ad2>) [015].



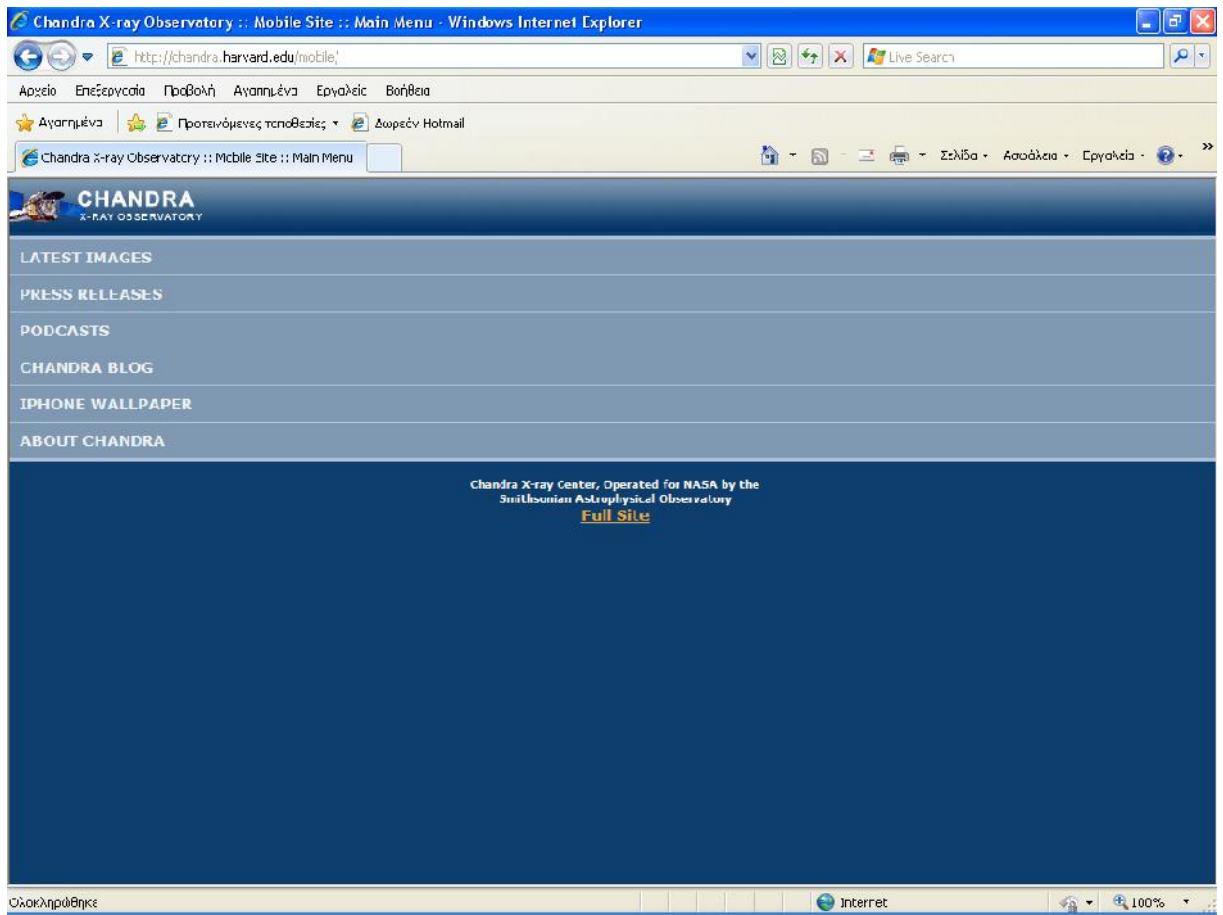


Εικόνα Α.2: Encyclopedia of Life Uploader (<http://www.si.edu/apps/eol>) [017].

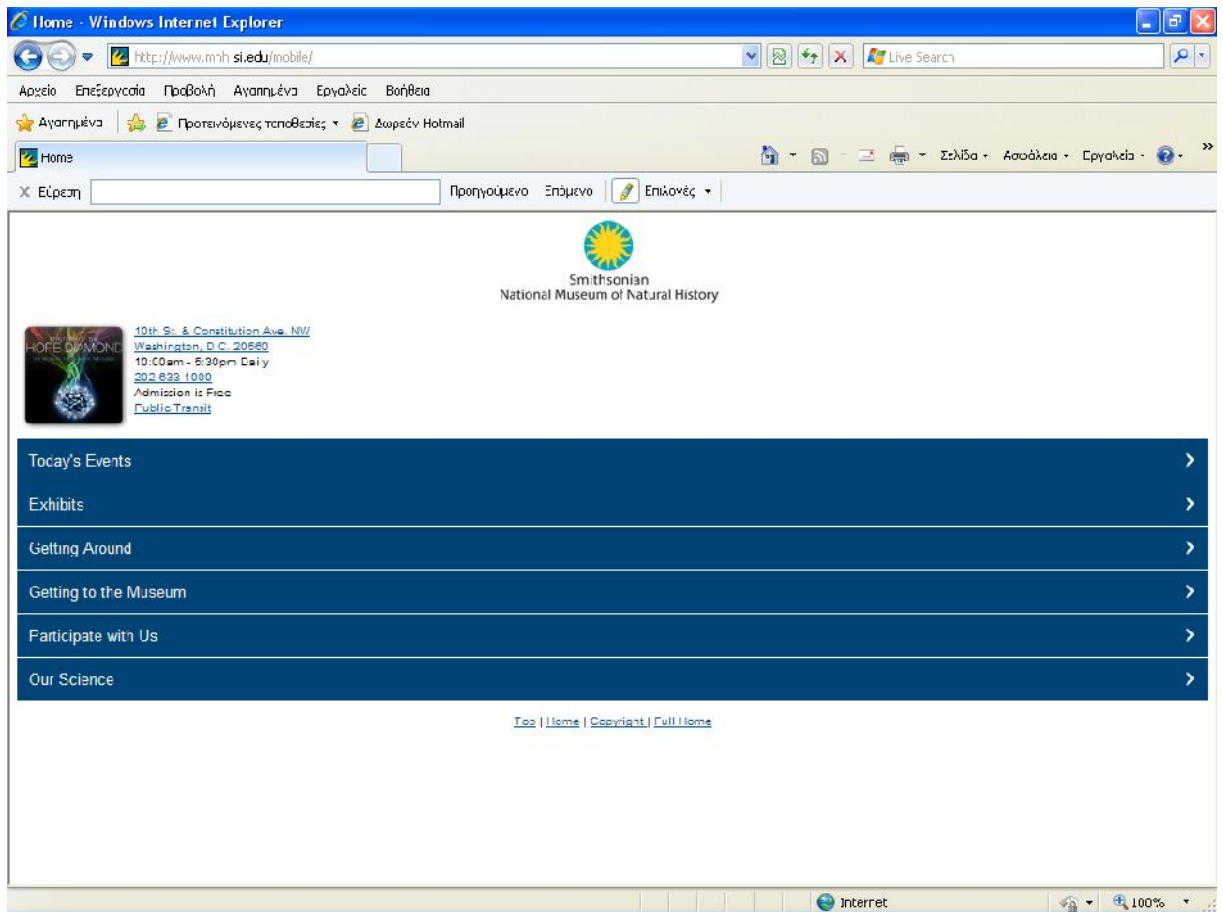
## A.2 Ιστοχώροι για Κινητά (Mobile Websites)

μ

:



**Εικόνα Α.3:** Chandra mobile (<http://chandra.harvard.edu/mobile/>) [016].



**Εικόνα Α.4:** Natural History Museum mobile (<http://www.mnh.si.edu/mobile/>) [027].

# Παράρτημα Β

## Κώδικας Προγραμμάτων

```

        μμ                μ                .php
        website.         μ                .sql
        μ                μ
        μ                μ                scripts.
        μ                images,
        website.
        index.php:
<html>
<head>
<!--      Cascading Style Sheets      μ                "stylesheet1.css" -->
```



1833

. μ μ  
μ

. 1863, μ  
30 μ 1865 μ .

μ μ μ

. μ 800 μ.  
μ μ

1886. μ , , 1888. 1946-1947,  
μ .

1970 μ  
μ μ μ  
μ .

μ μ  
μ μ 1976, μ μ μ ,  
μ μ  
μ ,

1989 , μ 1976 1979.  
μ μ  
μ . μ μ

μ μ μ

μ

2000,

μ

( )

μμ

μ ,

μ

μ

μ

μ

Bernard Tschumi μ

μ ,

25,000 .μ.

μ μ

14,000 .μ.,

μ

μ

μ 21

<hr />

<?php

// μ

include("menu.php");

?>

</body>

<html>

map.php:

```
<html>
```

```
<head>
```

```
<!-- Cascading Style Sheets μ "stylesheet1.css" -->
```

```
<link rel="stylesheet" type="text/css" href="stylesheet1.css" />
```

```
<title> - OUC / </title>
```

```
<script type="text/javascript">
```

```
function displayMuseumMapTheGalleryOfTheSlopesOfTheAcropolis()
```

```
{
```

```
document.getElementById("map_img").src="images/museum_map_the_gallery_of_the_slopes_of_the_acropolis.jpg";
```

```
}
```

```
function displayMuseumMapTheArchaicGallery()
```

```
{
```

```
document.getElementById("map_img").src="images/museum_map_the_archaic_gallery.jpg";
```

```
}
```



```
function displayMuseumMapTheParthenonGallery()

{

document.getElementById("map_img").src="images/museum_map_the_parthenon_gallery.jpg";

}

function displayMuseumMapPropylaiaAthenaNikeErechtheion()

{

document.getElementById("map_img").src="images/museum_map_propylaia_athena_nike_erechtheion.jpg";

}

function displayMuseumMapFromThe5thCBToThe5thCA()

{

document.getElementById("map_img").src="images/museum_map_from_the_5th_c_b_to_the_5th_c_a.jpg";

}

function displayMuseumMapTemporaryExhibitions()

{

document.getElementById("map_img").src="images/museum_map_temporary_exhibitions.jpg";

}
```

```

function displayMuseumMap()

{

    document.getElementById("map_img").src="images/plan_greek.jpg";

}

</script>

</head>

<body>

<a href="index.php" class="logo_link">

</a>

<p class="heading">        </p>

<div id="map_img_div">

</div>

<map id="museum_map">

<!--          -->

    <area shape="poly" coords="325, 1414, 532, 1274, 578, 1304, 368, 1445, 325, 1414"
title="          "          href="collections.php?CollectionId=1"

```

```
onmouseover="displayMuseumMapTheGalleryOfTheSlopesOfTheAcropolis)"
onmouseout="displayMuseumMap()" />
```

```
<area shape="poly" coords="219, 1095, 232, 1109, 229, 1114, 226, 1112, 224, 1112, 245,
1137, 250, 1137, 250, 1134, 813, 996, 817, 998, 819, 998, 799, 972, 797, 972, 799, 976, 791, 975,
776, 955, 774, 955, 774, 958, 766, 957, 750, 936, 748, 936, 748, 940, 741, 939, 723, 917, 721, 917,
721, 921, 716, 921, 699, 900, 697, 900, 697, 904, 694, 904, 674, 881, 672, 881, 672, 885, 667, 885,
649, 864, 647, 864, 647, 868, 642, 868, 624, 846, 622, 846, 622, 850, 617, 850, 599, 827, 597, 827,
597, 831, 592, 831, 575, 809, 573, 809, 573, 813, 503, 842, 551, 876, 562, 871, 604, 902, 594, 908,
617, 923, 359, 1085, 329, 1064, 274, 1099, 266, 1094, 269, 1091, 267, 1091, 279, 1082, 269, 1074,
253, 1083, 242, 1080, 219, 1095" title="
" href="collections.php?CollectionId=2"
onmouseover="displayMuseumMapTheArchaicGallery()" onmouseout="displayMuseumMap()"
/>
```

```
<area shape="poly" coords="377, 465, 628, 307, 543, 247, 292, 404, 377, 465" />
```

```
<area shape="poly" coords="354, 528, 713, 302, 557, 190, 197, 415, 354, 528"
title="
" href="collections.php?CollectionId=3"
onmouseover=displayMuseumMapTheParthenonGallery() onmouseout=displayMuseumMap()
/>
```

```
<area shape="poly" coords="219, 1095, 299, 1043, 271, 1022, 212, 1059, 214, 1062, 210,
1065, 207, 1064, 205, 1064, 223, 1086, 219, 1089, 216, 1087, 214, 1087, 219, 1095"
title="
" href="collections.php?CollectionId=4"
onmouseover="displayMuseumMapPropylaiaAthenaNikeErechtheion)"
onmouseout="displayMuseumMap()" />
```

```
<area shape="poly" coords="213, 1059, 303, 1002, 235, 953, 178, 977, 170, 968, 168, 968,
185, 989, 181, 994, 179, 992, 177, 992, 195, 1014, 191, 1019, 189, 1016, 187, 1016, 204, 1037,
201, 1042, 197, 1040, 195, 1040, 213, 1059" title="
-
"
href="collections.php?CollectionId=4"
onmouseover="displayMuseumMapPropylaiaAthenaNikeErechtheion)"
onmouseout="displayMuseumMap()" />
```

```
<area shape="poly" coords="361, 1086, 390, 1065, 368, 1049, 455, 994, 413, 964, 325,
1018, 302, 1003, 271, 1022, 361, 1086" title="
" href="collections.php?CollectionId=4"
onmouseover="displayMuseumMapPropylaiaAthenaNikeErechtheion()"
onmouseout="displayMuseumMap()" />
```

```
<area shape="poly" coords="304, 1002, 529, 861, 503, 842, 235, 953, 304, 1002" title="5
. . . - 5 . μ ." href="collections.php?CollectionId=5"
onmouseover="displayMuseumMapFromThe5thCBToThe5thCA()"
onmouseout="displayMuseumMap()" />
```

```
<area shape="poly" coords="634, 1430, 797, 1391, 668, 1298, 552, 1371, 634, 1430"
title="
" href="temporary_exhibitions.php"
onmouseover="displayMuseumMapTemporaryExhibitions()"
onmouseout="displayMuseumMap()" />
```

```
</map>
```

```
<p />
```

```
<hr />
```

```
<?php
```

```
// μ
```

```
include("menu.php");
```

```
?>
```

```
</body>
```

```
</html>
```

collections.php:

```
<html>
```

```
<head>
```

```
<!-- Cascading Style Sheets μ "stylesheet1.css"  
"stylesheet2.css" -->
```

```
<link rel="stylesheet" type="text/css" href="stylesheet1.css" />
```

```
<link rel="stylesheet" type="text/css" href="stylesheet2.css" />
```

```
<?php
```

```
// mysql
```

```
$connection = mysql_connect("localhost:3306", "root", "administrator");
```

```
// μ μ μ
```

```
if (!$connection)
```

```
{
```

```
    die('Unable to connect: ' . mysql_error());
```

```
}
```

```

//          μ

mysql_select_db("Acropolis_OUC_Museum", $connection);

//

mysql_query("SET NAMES Greek");

//          μ

$collection = mysql_query("SELECT * FROM Collections WHERE CollectionId = " .
$_GET["CollectionId"]);

while ($current_collection = mysql_fetch_array($collection))

{

    $collection_title = $current_collection['Title'];

    echo "<title>          - OUC / " . $collection_title . "</title>";

    echo "</head>";

    echo "<body>";

    echo "<a href=\"index.php\" class=\"logo_link\">";

    echo "<img src=\"images/logo.jpg\" />";

    echo "</a>";

```

```

echo "<h1>";

echo $collection_title;

echo "</h1>";

echo "<img src=\"images/" . $current_collection['ImageName'] . "\" />";

echo "<p />";

echo $current_collection['Description'];

echo "<hr />";

echo "<h2 class=\"h2_collections_exhibits\">";

echo "
                μ
                \" . $current_collection['Title'] . "\"";

echo "</h2>";

//
                μ

$subcollections = mysql_query("SELECT SubcollectionId, Title, CollectionId FROM
Subcollections WHERE CollectionId = " . $current_collection['CollectionId']);

while ($current_subcollection = mysql_fetch_array($subcollections))

{

echo "<h3>" . $current_subcollection['Title'] . "</h3>";

//
                μ
                μ

```

```
$exhibits = mysql_query("SELECT ExhibitId, Description, ImageName, SubcollectionId  
FROM Exhibits WHERE SubcollectionId = " . $current_subcollection['SubcollectionId'];
```

```
while ($current_exhibit = mysql_fetch_array($exhibits))
```

```
{
```

```
    echo "<div class=\"exhibits_images\">";
```

```
    echo "<a href=\"exhibits.php?ExhibitId=" . $current_exhibit['ExhibitId'] . "\">";
```

```
        echo " <img src=\"images/" . $current_exhibit['ImageName'] . "\" title=\"\" .  
$current_exhibit['Description'] . "\" alt=\"\" . $current_exhibit['Description'] . "\" />";
```

```
    echo "</a>";
```

```
    echo "<div class=\"exhibits_descriptions\">";
```

```
    echo "<a href=\"exhibits.php?ExhibitId=" . $current_exhibit['ExhibitId'] . "\">";
```

```
        echo $current_exhibit['Description'];
```

```
    echo "</a>";
```

```
    echo "</div>";
```

```
    echo "</div>";
```

```
}
```

```
}
```

```
echo "<div class=\"div_exhibits_images\">";
```



```
echo "<hr />";
```

```
echo "<img src=\"images/\" . $current_collection['MuseumMapImageName'] . \"\" />";
```

```
echo "<p />";
```

```
echo "<table>";
```

```
echo "<tr>";
```

```
echo "<td class=\"color_table_td\"></td>";
```

```
echo "<td>";
```

```
echo "<b class=\"color_table_b\">      μ      </b>";
```

```
echo "</td>";
```

```
echo "</tr>";
```

```
echo "</table>";
```

```
echo "</div>";
```

```
echo "<hr />";
```

```
//      μ      "CollectionId"      μ
```

```
$first_collection_row_query_result = mysql_query("SELECT CollectionId FirstCollectionId  
FROM Collections ORDER BY CollectionId LIMIT 1");
```

```
while ($first_collection_row = mysql_fetch_array($first_collection_row_query_result))
```

```
{
```

```

/*
    μ      μ      "<      μ      " μ      "CollectionId"
    μ      μ      μ      "CollectionId"
    μ
*/

if ($current_collection['CollectionId'] > $first_collection_row['FirstCollectionId'])
{
    echo "<a class=\"left_align\" href=\"collections.php?CollectionId="
($_GET["CollectionId"] - 1) . "\">";

    echo "< μ      ";

    echo "</a>";
}

}

//      μ      "CollectionId"      μ

    $last_collection_row_query_result = mysql_query("SELECT CollectionId LastCollectionId
FROM Collections ORDER BY CollectionId DESC LIMIT 1");

while ($last_collection_row = mysql_fetch_array($last_collection_row_query_result))
{

```

```

/*
 *
 *      μ      μ      "      μ      >" μ      "CollectionId"
 *      μ      μ      μ      "CollectionId"
 *      μ
 */

if ($current_collection['CollectionId'] < $last_collection_row['LastCollectionId'])

{

    echo " <a      class=\"right_align\"      href=\"collections.php?CollectionId="
($_GET["CollectionId"] + 1) . "\">";

    echo " μ      >";

    echo "</a>";

}

}

echo "<p />";

}

//      μ      , μ      μ

if ($_GET["CollectionId"] == "")

{

```

```

echo "<a href=\"index.php\" class=\"logo_link\" >";

echo "<img src=\"images/logo.jpg\" />";

echo "</a>";

$collections_links = mysql_query("SELECT CollectionId, Title FROM Collections");

echo "<h1 id=\"collections_h1\">          </h1>";

echo "<p />";

while ($collection_link_row = mysql_fetch_array($collections_links))

{

    echo "<h2>";

    echo   "<a   id=\"collections_links\"   href=\"collections.php?CollectionId="
    $collection_link_row['CollectionId'] . "\"> . $collection_link_row['Title'] . "</a>";

    echo "</h2>";

    echo "<p />";

}

}

//      μ      mysql

mysql_close($connection);

echo "<hr />";

```

```

//          μ

include("menu.php");

?>

</body>

</html>

exhibits_images.php:

<html>

<head>

<!--      Cascading Style Sheets          μ          "stylesheet1.css"
"stylesheet2.css" -->

<link rel="stylesheet" type="text/css" href="stylesheet1.css" />

<link rel="stylesheet" type="text/css" href="stylesheet2.css" />

<title>          - OUC /          μ          </title>

</head>

<body>

```

```
<a href="index.php" class="logo_link">
```

```

```

```
</a>
```

```
<?php
```

```
//      mysql
```

```
$connection = mysql_connect("localhost:3306", "root", "administrator");
```

```
// μ      μ      μ
```

```
if (!$connection)
```

```
{
```

```
    die('Unable to connect: ' . mysql_error());
```

```
}
```

```
//      μ
```

```
mysql_select_db("Acropolis_OUC_Museum", $connection);
```

```
//
```

```
mysql_query("SET NAMES Greek");
```

```

//          μ

$collections = mysql_query("SELECT Title, CollectionId FROM Collections");

while ($current_collection = mysql_fetch_array($collections))

{

    echo "<h1>" . $current_collection['Title'] . "</h1>";

//          μ

    $subcollections = mysql_query("SELECT SubcollectionId, Title, CollectionId FROM
Subcollections WHERE CollectionId =" . $current_collection['CollectionId']);

    while ($current_subcollection = mysql_fetch_array($subcollections))

    {

        echo "<h2>" . $current_subcollection['Title'] . "</h2>";

//          μ          μ

        $exhibits = mysql_query("SELECT ExhibitId, Description, ImageName, SubcollectionId
FROM Exhibits WHERE SubcollectionId =" . $current_subcollection['SubcollectionId']);

        while ($current_exhibit = mysql_fetch_array($exhibits))

        {

            echo "<div class=\"exhibits_images\">";

```

```

echo "<a href=\"exhibits.php?ExhibitId=\" . $current_exhibit['ExhibitId'] . \">";

echo "<img src=\"images/" . $current_exhibit['ImageName'] . "\" title=\"\" .
$current_exhibit['Description'] . \" alt=\"\" . $current_exhibit['Description'] . \" />";

echo "</a>";

echo "<div class=\"exhibits_descriptions\" >";

echo "<a href=\"exhibits.php?ExhibitId=\" . $current_exhibit['ExhibitId'] . \">";

echo $current_exhibit['Description'];

echo "</a>";

echo "</div>";

echo "</div>";

}

}

}

//      μ      mysql

mysql_close($connection);

echo "<div id=\"menu\">";

echo "<hr />";

```



```

//      μ

include("menu.php");

echo "</div>";

?>

</body>

</html>

exhibits.php:

<html>

<head>

<!--      Cascading Style Sheets      μ      "stylesheet1.css"
"stylesheet2.css" -->

<link rel="stylesheet" type="text/css" href="stylesheet1.css" />

<link rel="stylesheet" type="text/css" href="stylesheet2.css" />

<?php

//      mysql

```

```
$connection = mysql_connect("localhost:3306", "root", "administrator");
```

```
// μ μ μ
```

```
if (!$connection)
```

```
{
```

```
    die('Unable to connect: ' . mysql_error());
```

```
}
```

```
// μ
```

```
mysql_select_db("Acropolis_OUC_Museum", $connection);
```

```
//
```

```
mysql_query("SET NAMES Greek");
```

```
// μ
```

```
$query_result = mysql_query("SELECT C.CollectionId, C.Title CollectionTitle,  
C.MuseumMapImageName CollectionMuseumMapImageName, S.Title SubcollectionTitle,  
S.Description SubcollectionDescription, E.ExhibitId, E.Description ExhibitDescription,  
E.ImageName ExhibitImageName FROM Collections C, Subcollections S, Exhibits E WHERE  
(C.CollectionId = S.CollectionId) AND (S.SubcollectionId = E.SubcollectionId) AND (E.ExhibitId = " .  
$_GET["ExhibitId"] . ")");
```

```

while ($current_row = mysql_fetch_array($query_result))

{

echo "<title>                - OUC / " . $current_row['CollectionTitle'] . "</title>";

echo "</head>";

echo "<body>";

echo "<a href=\"index.php\" class=\"logo_link\">";

echo "<img src=\"images/logo.jpg\" />";

echo "</a>";

echo "<h1>" . $current_row['CollectionTitle'] . "</h1>";

echo "<img src=\"images/" . $current_row['ExhibitImageName'] . "\" />";

echo "<p />";

echo "<b id=\"exhibits_description\">" . $current_row['ExhibitDescription'] . "</b>";

echo "<p />";

echo "                <b>\" . $current_row['SubcollectionTitle'] .
"\"</b>:";

echo "<p />";

echo $current_row['SubcollectionDescription'];

echo "<hr />";

echo "<img src=\"images/" . $current_row['CollectionMuseumMapImageName'] . "\" />";

```

```

echo "<p />";

echo "<table>";

echo "<tr>";

echo "<td class=\"color_table_td\"></td>";

echo "<td>";

echo "<b class=\"color_table_b\">                μ                μ </b>";

echo "</td>";

echo "</tr>";

echo "</table>";

echo "<hr />";

echo "                μ                μ                ";

echo "<b>\""";

echo "                <a                id=\"exhibits_link\"                href=\"collections.php?CollectionId="
$current_row['CollectionId'] . "\>";

echo $current_row['CollectionTitle'];

echo "</a>";

echo "\"</b>";

echo "</a>";

echo "                <b>\"" . $current_row['SubcollectionTitle'] . "\"</b>";

```

```

echo "<hr />";

//      μ      "ExhibitId"      μ

    $first_exhibit_row_query_result = mysql_query("SELECT ExhibitId FirstExhibitId FROM
Exhibits ORDER BY ExhibitId LIMIT 1");

while ($first_exhibit_row = mysql_fetch_array($first_exhibit_row_query_result))

{

    /*

        μ      μ      μ      "<      μ      μ " μ      "ExhibitId"
        μ      μ      μ      μ      "ExhibitId"
        μ

    */

    if ($current_row['ExhibitId'] > $first_exhibit_row['FirstExhibitId'])

    {

        echo "<a class=\"left_align\" href=\"exhibits.php?ExhibitId=" . ($_GET["ExhibitId"] - 1) .
"\>";

        echo "<      μ      μ ";

        echo "</a>";

    }

```

```

}

//      μ      ExhibitId      μ

$last_exhibit_row_query_result = mysql_query("SELECT ExhibitId LastExhibitId FROM
Exhibits ORDER BY ExhibitId DESC LIMIT 1");

while ($last_exhibit_row = mysql_fetch_array($last_exhibit_row_query_result))
{

/*
μ      μ      μ      "      μ      μ      >"      μ      "ExhibitId"
μ      μ      μ      μ      μ      "ExhibitId"
μ

*/

if ($current_row['ExhibitId'] < $last_exhibit_row['LastExhibitId'])
{

echo "<a class=\"right_align\" href=\"exhibits.php?ExhibitId=\" . ($_GET["ExhibitId"] + 1)
.\">";

echo "      μ      μ      >";

echo "</a>";

}

```

```

    }

}

//      μ      mysql

mysql_close($connection);

echo "<p />";

echo "<hr />";

//      μ

include("menu.php");

?>

</body>

</html>

    exhibits_search.php:

<html>

<head>

    <!--      Cascading Style Sheets      μ      "stylesheet1.css"
"stylesheet2.css" -->

```

```
<link rel="stylesheet" type="text/css" href="stylesheet1.css" />
```

```
<link rel="stylesheet" type="text/css" href="stylesheet2.css" />
```

```
<title>                - OUC /                μ                </title>
```

```
</head>
```

```
<body>
```

```
<a href="index.php" class="logo_link">
```

```

```

```
</a>
```

```
<h1>                μ                </h1>
```

```
<form action="exhibits_search.php" method="get">
```

```
<div id="exhibits_search_div_1">
```

```
<input type="text" id="search" name="search" />
```

```
</div>
```

```
<div id="exhibits_search_div_2">
```

```
<button                type="submit"                id="search_submit_button"  
name="search_submit_button">                </button>
```

```
</div>
```

```
</form>
```



```
<?php
```

```
// μ
```

```
if ($_GET["search"] != "")
```

```
{
```

```
// mysql
```

```
$connection = mysql_connect("localhost:3306", "root", "administrator");
```

```
// μ μ μ
```

```
if (!$connection)
```

```
{
```

```
die("Unable to connect: ' . mysql_error());
```

```
}
```

```
// μ
```

```
mysql_select_db("Acropolis_OUC_Museum", $connection);
```

```
//
```

```
mysql_query("SET NAMES Greek");
```

```
//      μ
```

```
$query_result = mysql_query("SELECT E.ExhibitId, E.Description, E.ImageName FROM  
Collections C, Subcollections S, Exhibits E WHERE (C.CollectionId = S.CollectionId) AND  
(S.SubcollectionId = E.SubcollectionId) AND ((C.Title LIKE '%" . $_GET["search"] . "%') OR (S.Title  
LIKE '%" . $_GET["search"] . "%') OR (S.Description LIKE '%" . $_GET["search"] . "%') OR  
(E.Description LIKE '%" . $_GET["search"] . "%'))");
```

```
//      μ
```

```
$count_query_result = mysql_query("SELECT COUNT(*) NumberOfRows FROM  
Collections C, Subcollections S, Exhibits E WHERE (C.CollectionId = S.CollectionId) AND  
(S.SubcollectionId = E.SubcollectionId) AND ((C.Title LIKE '%" . $_GET["search"] . "%') OR (S.Title  
LIKE '%" . $_GET["search"] . "%') OR (S.Description LIKE '%" . $_GET["search"] . "%') OR  
(E.Description LIKE '%" . $_GET["search"] . "%'))");
```

```
// μ      μ μ      μ
```

```
while ($count_row = mysql_fetch_array($count_query_result))
```

```
{
```

```
if ($count_row['NumberOfRows'] == 1)
```

```
{
```

```
echo "<h2>      μ      \'" . $_GET["search"] . "\"  
(1      μ );</h2>";
```

```

}

elseif (($count_row['NumberOfRows'] != 0) && (strlen($_GET["search"]) > 0))

{

    echo "<h2>          μ          \"" . $_GET["search"] . "\"
    (\" . $count_row['NumberOfRows'] . "          μ          ):</h2>";

}

elseif (($count_row['NumberOfRows'] != 0) && (strlen($_GET["search"]) == 0))

{

    echo "<h2>          μ          (" .
$count_row['NumberOfRows'] . "          μ          ):</h2>";

}

elseif ($count_row['NumberOfRows'] == 0)

{

    echo "<h2>          μ          \"" . $_GET["search"]
. "\".</h2>";

}

}

echo "<p />";

// μ          μ

```

```

while ($current_row = mysql_fetch_array($query_result))

{

    echo "<div class=\"exhibits_images\">";

    echo "<a href=\"exhibits.php?ExhibitId=" . $current_row['ExhibitId'] . "\">";

    echo " <img src=\"images/" . $current_row['ImageName'] . "\" title=\"\" .
$current_row['Description'] . "\" alt=\"\" . $current_row['Description'] . "\" />";

    echo "</a>";

    echo "<div class=\"exhibits_descriptions\">";

    echo "<a href=\"exhibits.php?ExhibitId=" . $current_row['ExhibitId'] . "\">";

    echo $current_row['Description'];

    echo "</a>";

    echo "</div>";

    echo "</div>";

}

//      μ      mysql

mysql_close($connection);

}

```

```
echo "<div id=\"menu\">";
```

```
echo "<hr />";
```

```
//      μ
```

```
include("menu.php");
```

```
echo "</div>"
```

```
?>
```

```
</body>
```

```
</html>
```

```
temporary_exhibitions.php:
```

```
<html>
```

```
<head>
```

```
<!--      Cascading Style Sheets      μ      "stylesheet1.css" -->
```

```
<link rel="stylesheet" type="text/css" href="stylesheet1.css" />
```

```
<title>      - OUC /      </title>
```

```
</head>
```

<body>

<a href="index.php" class="logo\_link">



</a>

<h1> </h1>



<p />

<p class="temporary\_exhibitions\_p">

<b> :</b>

</p>

<p class="temporary\_exhibitions\_p">

<b> (20/6/2010 31/1/2011)</b>

</p>

μ μ «  
».  
μ μ  
μ μ  
μ μ

μ , μ μ μ  
μ μ μ

μ μ μ μ μ  
μ μ μ μ  
μ μ μ μ

μ μ μ μ  
μ μ μ μ

<hr />



</p>

<table>

<tr>

<td class="color\_table\_td"></td>

<td>

<b class="color\_table\_b">

</b>

</td>

```
</tr>
```

```
</table>
```

```
<hr />
```

```
<?php
```

```
//      μ
```

```
include("menu.php");
```

```
?>
```

```
</body>
```

```
</html>
```

```
contact.php:
```

```
<html>
```

```
<head>
```

```
<!--      Cascading Style Sheets      μ      "stylesheet1.css" -->
```

```
<link rel="stylesheet" type="text/css" href="stylesheet1.css">
```

```
<title>      - OUC /      </title>
```



```
<script type="text/javascript">
```

```
    <!--          μ                μ -  
μ          μ          μ μ -->  
  
function checkData()  
  
{  
  
    var lastNameValue = document.forms["contact_form"]["last_name"].value;  
  
    var firstNameValue = document.forms["contact_form"]["first_name"].value;  
  
    var emailAddressValue = document.forms["contact_form"]["e_mail_address"].value;  
  
    var commentValue = document.forms["contact_form"]["comment"].value;  
  
    if ((lastNameValue == "") || (lastNameValue == null) || (firstNameValue == "") ||  
        (firstNameValue == null) || (emailAddressValue == "") || (emailAddressValue == null) ||  
        (commentValue == "") || (commentValue == null))  
  
    {  
  
        alert("          μ                .");  
  
        return false;  
  
    }  
  
}
```



```
<td class="contact_asterisk">*</td>
```

```
<td> μ :</td>
```

```
<td><input type="text" name="first_name" class="contact_inputs" /></td>
```

```
</tr>
```

```
<tr>
```

```
<td class="contact_asterisk">*</td>
```

```
<td> e-mail:</td>
```

```
<td><input type="text" name="e_mail_address" class="contact_inputs" /></td>
```

```
</tr>
```

```
<tr>
```

```
<td class="contact_asterisk">*</td>
```

```
<td> :</td>
```

```
<td><textarea name="comment" id="contact_textarea"></textarea></td>
```

```
</tr>
```

```
</table>
```

```
<p id="contact_p">* </p>
```

```
<table>
```

```
<tr>
```

```
<td>
```

```
        <button                type="submit"                name="submit_button"
id="submit_button">                </button>
```

```
</td>
```

```
<td>
```

```
        <button type="reset" name="reset_button" id="reset_button">                </button>
```

```
</td>
```

```
</tr>
```

```
</table>
```

```
</form>
```

```
<?php
```

```
/*
```

```
        μ                (server)
```

```
        "        μ " -
```

```
        μ
```

```
*/
```

```
if (($_POST["last_name"] != "") && ($_POST["last_name"] != null))
```

```
{
```

```
        //                mysql
```

```

$connection = mysql_connect("localhost:3306", "root", "administrator");

// μ μ μ

if (!$connection)

{

    die('Unable to connect: ' . mysql_error());

}

// μ

mysql_select_db("Acropolis_OUC_Museum", $connection);

//

mysql_query('SET_NAMES_Greek');

// μ μ "Contacts"

$insert_sql = "INSERT INTO Contacts (LastName, FirstName, EMailAddress, Comment)
VALUES      ('$_POST[last_name]',      '$_POST[first_name]',      '$_POST[e_mail_address]',
'$_POST[comment]')";

// μ μ μ μ

```

```
if (!mysql_query($insert_sql,$connection))

{

    die(mysql_error());

}

?>
```

```
<script type="text/javascript">

    alert("      μ      !");

</script>
```

```
<?php

    //      μ      mysql

    mysql_close($connection);

}

echo "<hr />";

include("menu.php");

?>
```

```
</body>
```

```
</html>
```

```
menu.php:
```

```
<!-- μ -->
```

```
<a class="link" href="index.php"> </a>
```

```
<a class="link" href="map.php"> </a>
```

```
<a class="link" href="collections.php"> </a>
```

```
<a class="link" href="exhibits_images.php"> μ </a>
```

```
<a class="link" href="exhibits_search.php"> μ </a>
```

```
<a class="link" href="temporary_exhibitions.php"> </a>
```

```
<a class="link" href="contact.php"> </a>
```

```
stylesheet1.css:
```

```
img
```

```
{
```

```
width:100%;
```

```
}
```

```
.link
```

```
{
```

```
width:100%;  
  
height:50px;  
  
display:block;  
  
margin:10;  
  
padding:10;  
  
font-size:large;  
  
background-color:SteelBlue;  
  
vertical-align:middle;  
  
text-align:center;  
  
}
```

```
a.link:link
```

```
{  
  
color:blue;  
  
background-color:orange;  
  
}
```

```
a.link:visited
```

```
{
```



```
color:blue;

background-color:orange;

}
```

```
a.link:hover

{

color:blue;

background-color:green;

}
```

```
a.link:active

{

color:blue;

background-color:orange;

}
```

```
.heading

{

width:100%;
```

```
font-size:xx-large;  
  
text-align:center;  
  
}
```

```
#map_img
```

```
{  
  
width:893px;  
  
height:1527px;  
  
}
```

```
#map_img_div
```

```
{  
  
text-align:center;  
  
}
```

```
hr
```

```
{  
  
margin-top:25px;  
  
margin-bottom:25px;
```

```
}
```

```
.left_align
```

```
{
```

```
float:left;
```

```
}
```

```
.right_align
```

```
{
```

```
float:right;
```

```
}
```

```
.left_align:link,.right_align:link,#collections_links:link,#exhibits_link:link
```

```
{
```

```
color:blue;
```

```
}
```

```
.left_align:visited,.right_align:visited,#collections_links:visited,#exhibits_link:visited
```

```
{
```

```
color:blue;  
  
}
```

```
.left_align:hover,.right_align:hover,#collections_links:hover,#exhibits_link:hover  
  
{  
  
color:green;  
  
}
```

```
.left_align:active,.right_align:active,#collections_links:active,#exhibits_link:active  
  
{  
  
color:blue;  
  
}
```

```
#exhibits_search_div_1  
  
{  
  
margin-right:20px;  
  
display:inline;  
  
}
```

```
#exhibits_search_div_2
```

```
{  
  
display:inline;  
  
}
```

```
#search
```

```
{  
  
width:50%;  
  
}
```

```
.logo_link img
```

```
{  
  
border:none;  
  
}
```

```
#exhibits_description
```

```
{  
  
font-size:115%;  
  
}
```

```
#collections_h1
```

```
{
```

```
margin-bottom:30px;
```

```
}
```

```
.temporary_exhibitions_p
```

```
{
```

```
font-size:100%;
```

```
}
```

```
.contact_inputs
```

```
{
```

```
width:200px;
```

```
}
```

```
#contact_textarea
```

```
{
```

```
width:100%;
```

```
height:170px;  
}
```

```
.contact_asterisk,#contact_p  
{  
  
color:red;  
}
```

```
.color_table_td  
{  
  
width:23px;  
  
height:10px;  
  
background-color:green;  
}
```

```
.color_table_b  
{  
  
font-size:20px;  
  
top-margin:30px;
```

```
margin:10px;

}

stylesheet2.css:

div.exhibits_images

{

border:1px solid black;

margin:2px;

width:auto;

height:237px;

text-align:center;

float:left;

}
```

```
div.exhibits_images img

{

border:2px solid white;

margin:3px;

display:inline;

width:150px;
```



```
height:81,95px;  
}
```

```
div.exhibits_images a:hover img  
  
{  
  
border:2px solid green;  
  
}
```

```
div.exhibits_descriptions  
  
{  
  
width:160px;  
  
text-align:center;  
  
margin:2px;  
  
font-size:12px;  
  
}
```

```
div.exhibits_descriptions a:link  
  
{  
  
color:blue;
```

```
}
```

```
div.exhibits_descriptions a:visited
```

```
{
```

```
color:blue;
```

```
}
```

```
div.exhibits_descriptions a:hover
```

```
{
```

```
color:green;
```

```
}
```

```
div.exhibits_descriptions a:active
```

```
{
```

```
color:blue;
```

```
}
```

```
h1
```

```
{
```

```
margin-top:30px;

margin-bottom:10px;

width:100%;

float:left;

}
```

h2

```
{

margin-top:8px;

margin-bottom:4px;

width:100%;

float:left;

}
```

.h2\_collections\_exhibits

```
{

margin-top:0px;

margin-bottom:0px;

width:100%;
```

```
float:left;  
  
}
```

h3

```
{  
  
margin-top:22px;  
  
margin-bottom:12px;  
  
width:100%;  
  
float:left;  
  
}
```

.div\_exhibits\_images

```
{  
  
width:100%;  
  
float:left;  
  
}
```

#menu

```
{
```

```
width:100%;
```

```
float:left;
```

```
}
```