



# ITC4214 INTERNET PROGRAMMING

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GLOBAL MUSEUM WEBSITE



# PROJECT URL & USERNAMES AND PASSWORDS

- <https://github.com/smprintzou/ITC4214FinalProject.git>

- Admin User

Username: smprintzou

Password: admin

- Registered User

Username: hollygolightly

Password: holly135\*\*

# GENERAL DESCRIPTION

This is a book event website built with Django (Python). The software implementation is also based on the following technologies: HTML, CSS, JavaScript/jQuery.

## **Admin Users Can:**

Manage Category (Add, Update, Filter and Delete)

Manage Bookings (Add, Update, Filter and Delete)

Manage Users (Update, Filter and Delete)

Manage Booking Orders (View and Process)

## **Non-Registered Users Can:**

View Events (Can filter based on category)

Explore Event Details

## **Registered Users Can:**

Add to Booking Cart

Edit Booking Cart

Update Profile

Change Password

The Global Museums web application includes the following features:

- Maintain a page of events that end-users can browse by category, sub-category and date of event. Events take place on a specific date and have a limited number of available seats for booking.
- Public users should be able to search events both by the categories/sub-categories and/or event's date.
- Implement user registration and login/logout functionality. When a user is connected, should be able to view the profile information they provided during registration and update them.
- The end-user can book an event. This event should appear in user's profile page and have the option for cancellation. If an event is booked, the available number of seats for this event should be decreased by one. When an event is cancelled by a user, the available number of seats for this event should be increased by one.
- Administrators should be able to manage the events, the categories and app's users.
- Implement role-based security (Administrators/Users).
- Implement user ratings (using AJAX Controls: such as stars) or Likes or Customer reviews of the events. Feature available only for logged in users.

# SUCCESSFULLY/PARTIALLY IMPLEMENTED FEATURES

- Maintain a page of events that end-users can browse by category, sub-category and date of event. Events take place on a specific date and have a limited number of available seats for booking.
- Implement user registration and login/logout functionality. When a user is connected, should be able to view the profile information they provided during registration and update them.
- The end-user can book an event. This event should appear in user's profile page and have the option for cancellation.
- Administrators should be able to manage the events, the categories and app's users.
- Implement role-based security (Administrators/Users).
- Partially implemented search feature (by categories/sub-categories).
- Partially implemented user ratings feature.

# FUTURE FEATURES TO BE IMPLEMENTED

- Book and then order the tickets.
- Available order status.
- Transaction features.
- Transaction history.
- Search event by date.

# WEB SERVER, DATABASE, TECHNOLOGIES, LANGUAGES, FRAMEWORKS & DEVELOPMENT TOOLS

- Django
- Python
- HTML
- CSS
- JavaScript/jQuery
- SQLite3
- VS Code
- Django==4.0.5
- django-allauth==0.22.0
- django-environ==0.9.0
- filelock==3.7.1
- Pillow==9.2.0
- python-decouple==3.6
- python3-openid==3.2.0
- sqlparse==0.4.2
- virtualenv==20.15.1

# FUTURE PROMOTION PLAN

- Solidify the website SEO
- Email marketing
- Social media
- Submit your site to online directories
- Google My Business
- Pay-per-click advertising



# COST PROJECTION FOR WEBSITE OPERATION

The Website Design and the Annual Site Maintenance costs of the Global Museums website are the following:

- Domain Name
- SSL Certificate
- Website Hosting **\$5,000 for Website Design**
- Style/Theme
- Responsive Design **\$500 for Annual Site Maintenance**
- Interactive Multimedia
- Content Management System
- Database Integration
- Promotion

# IMPLEMENTATION SCHEDULE

- Research and Planning (2 weeks)
- Design (4 weeks)
- Content Writing and Assembly (4 weeks)
- Development and Programming (10 weeks)
- Beta Testing and Review (2 weeks)
- Site launch (1 weeks)
- Maintenance and Enhancements (ongoing)

## AUTHENTICATION AND AUTHORIZATION

**Groups**

[+ Add](#) [✎ Change](#)

**Users**

[+ Add](#) [✎ Change](#)

## STORE

**Addresss**

[+ Add](#) [✎ Change](#)

**Carts**

[+ Add](#) [✎ Change](#)

**Categories**

[+ Add](#) [✎ Change](#)

**Orders**

[+ Add](#) [✎ Change](#)

**Products**

[+ Add](#) [✎ Change](#)

# DATABASE & SCREENSHOTS

STORE	<input type="checkbox"/> USER	PRODUCT	QUANTITY	CREATED DATE
Address	<input type="checkbox"/>	matinaprintzou	Jeff Mills Live at the Acropolis	July 12, 2022, 9:17 p.m.
Carts	<input type="checkbox"/>		3	
Categories	<input type="checkbox"/>			
Orders	<input type="checkbox"/>			
Products	<input type="checkbox"/>			

1 cart

Save

STORE		USER	NEAREST LOCATION	CITY	STATE
Address	<a href="#">+ Add</a>		hollygolightly	Washington Square Park	New York City
Carts	<a href="#">+ Add</a>		matinaprintzou	Acropolis Museum	Athens
Categories	<a href="#">+ Add</a>		amprintzou	Acropolis Museum	Athens
Orders	<a href="#">+ Add</a>				
Products	<a href="#">+ Add</a>	3 address			

STORE	<input type="checkbox"/>	USER	NEAREST LOCATION	CITY	STATE
Address	<input checked="" type="checkbox"/> Add	hollygolightly	Washington Square Park	New York City	New York, United States
Carts	<input checked="" type="checkbox"/> Add	matinaprintzou	Acropolis Museum	Athens	Greece
Categories	<input checked="" type="checkbox"/> Add	amprintzou	Acropolis Museum	Athens	Greece
Orders	<input checked="" type="checkbox"/> Add	3 address			
Products	<input checked="" type="checkbox"/> Add				

STORE	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
Address	<input type="checkbox"/>	admin			
Carts	<input type="checkbox"/>	hollygolightly	hollygolightly@gmail.com	Holly	Goldlighty
Categories	<input type="checkbox"/>	matinaprintzou	s.printzou@acg.edu	Matina	Printzou
Orders	<input type="checkbox"/>	amprintzou	s.printzou@acg.edu	Stamatia Markella	Printzou
Products	<input type="checkbox"/>				

STORE

Addresss+ Add

Carts+ Add

Categories+ Add

Orders+ Add

Products+ Add

☐

CATEGORY TITLE

CATEGORY SLUG

CATEGORY IMAGE

IS ACTIVE?

IS FEATURED?

☐

Athens

athens

category/Athens\_mI FINOL.jpg

☐

Paris

paris

category/Paris\_M9fOqEF.jpg

☐

New York City

new-york-city

category/New\_York.jpg

☐

Rome

rome

category/Rome\_gkfcrNY.jpg

☐

London

london

category/London\_KBN02dl.jpg

☐

Vienna

vienna

category/Vienna\_lpZh6Kb.jpg

6 Categories

Save

STORE

Addresss+ Add

Carts+ Add

Categories+ Add

Orders+ Add

Products+ Add

<input type="checkbox"/>	PRODUCT TITLE	PRODUCT SLUG	PRODUCT CATEGOY	PRODUCT IMAGE
<input type="checkbox"/>	Pip & Pop	pip-pop	London	product/London_5_eb8zNli
<input type="checkbox"/>	Our Time on Earth at The Curve	our-time-on-earth-at-the-curve	London	product/London_4_fkqezfe
<input type="checkbox"/>	Raphael at The National Gallery	raphael-at-the-national-gallery	London	product/London_3_d7zcHx
<input type="checkbox"/>	Surrealism Beyond Borders	surrealism-beyond-borders	London	product/London_2_df12sjh
<input type="checkbox"/>	Yayoi Kusama: Infinity Mirror Rooms at Tate Modern	yayoi-kusama-infinity-mirror-rooms-at-tate-mc	London	product/London_1_CYyQvk
<input type="checkbox"/>	Wenn Der Wind Weht	wenn-der-wind-weht	Vienna	product/Vienna_5_jaMmUF
<input type="checkbox"/>	Klimt The Immersive Expirience	klimt-the-immersive-experience	Vienna	product/Vienna_4_blTa6iZ.
<input type="checkbox"/>	Ai Weiwei: In Search of Humanity	ai-weiwei-in-search-of-humanity	Vienna	product/Vienna_3_reHfboe
<input type="checkbox"/>	Augenblick! Straßenfotografie in Wien	augenblick-strassenfotografie-in-wien	Vienna	product/Vienna_2_ZoqhOP
<input type="checkbox"/>	(CON)TEMPORARY FASHION SHOWCASE	contemporary-fashion-showcase	Vienna	product/Vienna_1_WKW3v.

1

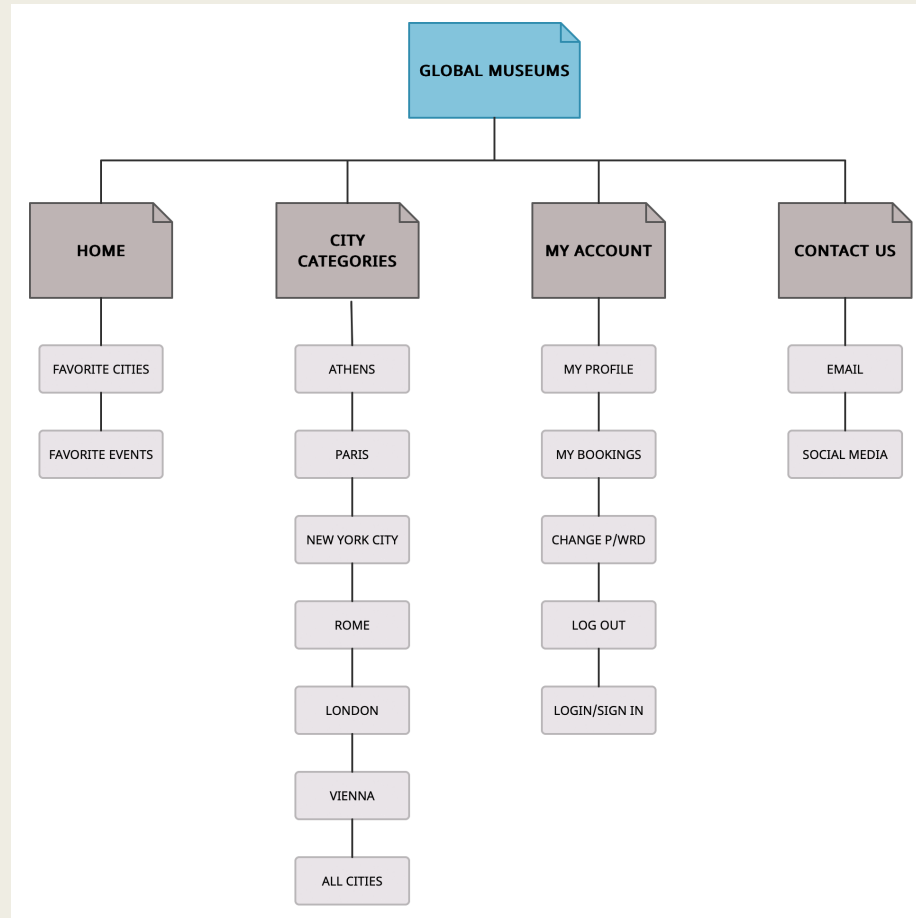
2

3

30 Products

Show all

Save



# SITEMAP (MAIN PAGES & NAVIGATION)

# REFLECTIONS & EVALUATION

Concluding, after a lot of work, analysis, and implementation, this project has come to an end. For me, this was a first-time experience and I found it really interesting. I feel that I learned a lot of things that were not limited only to the academic aspects of the course, but most importantly to the overall process of researching, designing, and creating a website from start to end. Among these things, I also learned about many different technologies and languages, both front-end and back-end. Overall, I find this project a great opportunity for someone to gain, in addition to the academic related skills, also very important practical skills.

Regarding the evaluation of my project, I think that overall, my webpage was successful. The features that I did not or partially include were the search feature and the rating/review feature. In the future and as I evolve my project, I hope I will include these in addition to some other features.

All in all, I found this project very informative and important for my future career in the IT field.