PROJECT DOCUMENTATION

Online Shopping Website

Degree: Software Engineering II
Course: Web Technologies and Programming
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1.ABSTRACT

The abstract highlights the development of an interactive and dynamic e-commerce web page using languages like
JavaScript, HTML, PHP, CSS, and SQL for the database. The webpage aims to provide a user-friendly interface for easy product search, detailed product information, and convenient online ordering. The project's goal is to enhance the culture of online businesses, offering a wide range of products without the need for physical store visits. The web-based interface focuses on simplicity and a visually appealing design to create a pleasant shopping experience for users

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2. INTRODUCTION

1.1 Goal

This project aims to create a user-friendly web interface for online retailers. Shopping has always been considered as a physical process, but nowadays online shopping is adapting fast among us. The goal of this project is to develop a web based interface for online retailers. The primary objectives include enabling users to search for products, view detailed descriptions, and place orders easily.

- The webpage's structure provides a convenient way for users to find products that meet their specific needs.
- The design emphasizes a stylish and user-friendly environment for clients. Additionally, the project incorporates a drag and drop feature, allowing users to add or remove items from the shopping cart effortlessly.
- Users can also access complete product specifications and accurate images.

1.2   Need for our website

With the proliferation of commercial online shopping websites, there is a growing demand to meet the shopping interests of a large customer base. Compared to physical stores, online marketplaces have the advantage of catering to users worldwide.

1.3   Problem

Current systems lack interactivity, providing a non-interactive environment for users. Traditional user interfaces rely on frequent server postbacks, causing delays in displaying results. Non-user-friendly interfaces pose difficulties for clients of all ages.

1.4   Solution:

To address these issues, we have developed a non-traditional interface that minimizes delays in displaying specific results. The website features a user-friendly interface that is easily accessible to users of all ages. It offers interactive elements for improved user engagement. There are features that allow users to add or remove products from the shopping cart effortlessly. Overall, this project aims to create a dynamic and interactive e-commerce web page that enhances the online shopping experience for users.

3. SYSTEM ANALYSIS

After carefully analyzing the requirements and functionality of the website, we have designed two important diagrams by the end of the analysis process . They are the **ERD(entity-relationship diagram)** diagram and **RS (relational schema)** which are the basis for visually and logically concepting our entities and relationships between them.
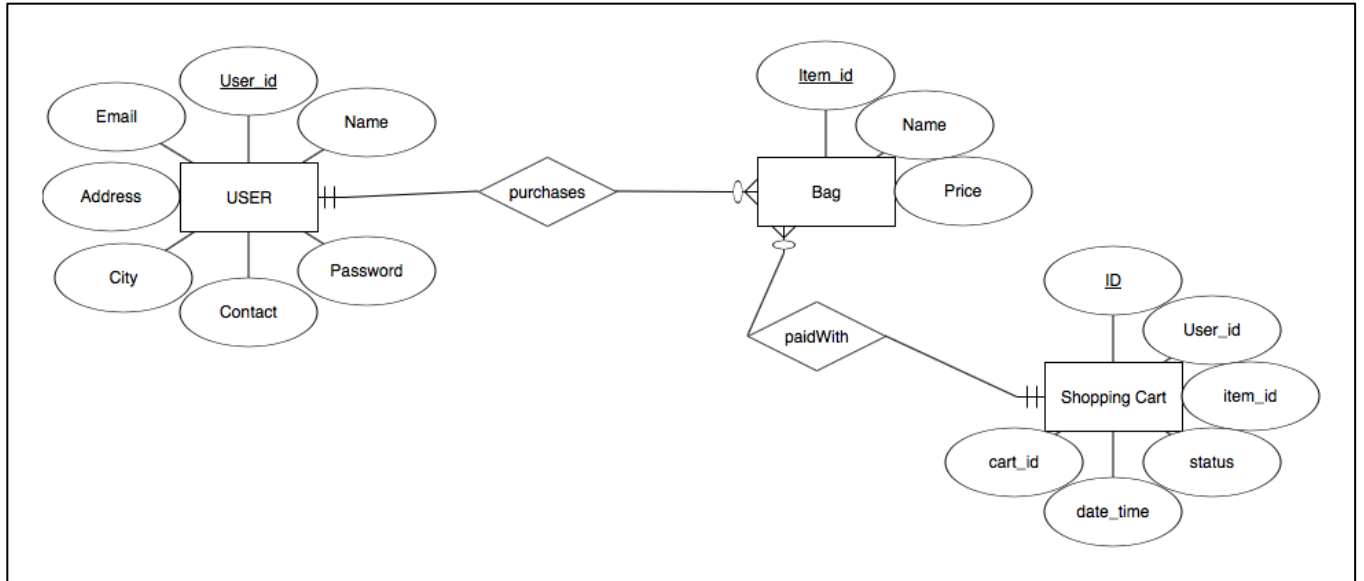
1.2 REQUIREMENTS OF THE PROJECT

- **Functional Requirements**

Functional requirements are needs related to the technical functionality of the system. Functional requirements state how the users will interact with the application, so the application must be able to comply and be testable. For the online collaboration application , the functional requirements may include descriptions of:

REQ#	REQUIREMENTS	COMMENTS	PRIORITY
R_01	**Content to be created and published in the system (i.e., documents, blogs, videos, etc.)**	Based on therole and theaccount typeof the user,the app will provide different views.	1
R_02	**Operations performedby each screen**		1

R_03	Content approval work-flow process		1
R_04	Actors are the users who will interact withour product:admin,users.		1

- ### Non-Functional Requirements

Non-functional requirements specify criteria that can be used to judge the operation of a system in particular. These are conditions rather than specific behaviors. While functional requirements define what a system is supposed to do, non-functional requirements define how a system is supposed to be. Non-functional requirements are often called "quality attributes" of a system.

R_05	**Performance**	How much time each page should take to load	1
R_06	Visibility **Images**	Images are important, not only for the website to look good but also to show people what your products look like or how you perform your services. An image of your business premise will help people find you at your location. Learn more about the importance of images for websites.	1
R_07	**Services**	What services you provide and the write upon each.	1

R_08	**FAQ or Frequently AskedQuestions**	Think of all the questions you've been asked repeatedly or peoplemight want the answers to.	1
R_09	**Testimonials or Reviews**	Start collecting or ask for them from your customers or clients. Itwill be good if they're happy to provide a photo	2

		of themselves to go withthe testimonials but this is optional. More can beadded in time.	
R_10	**Blog post**	If you are going to blog,you will need to provideat least one blog post to start and set-up with. It isa good idea to blog or post articles on yourwebsite.	1
R_11	**Scalability**	Will the system be able to handle large volume of users that keepsincreasing?	1
R_12	**Capacity**	How much storage willbe needed?	1

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R_13	**Availability**	Availability and downtime of the application	1
R_14	**Security**	This includes security ofthe content and encryption	1

Requirements based on the pages of the webpage

- **Login/Register->**Here it is determined the role of the user whether it is a client or an admin;
- **Admin Page->** Here are all the links available only for the admin;
- **Women->**A section of women bags;
- **Account page** –>In this page it is also included the shopping cart, where you can see what isinside it and how much they cost;
- **Home page->**Many images included to advertise the products, and also links to link all pageswith each other;
- **Product info->**Detailed information for each product included in the website.
- **Add product page admin->**The admin of the page uses this form to add a new product for sale in the website.
- Page with products, users for admin-page available for users to see available products.

Our website is designed for online shopping of bags and accessories for women and men. It is styled with light colors for the eye and structured in a user-friendly way in order to be easily usedfrom different group ages. Our site is separated in different mini sections, each for a specific use such as: home, about, women, bags, cart, contact, log-in, register.

Project Description

Our website begins with the **home page,** which showcases a wide selection of bags for users to choose from. Upon clicking on a specific bag, users are directed to the dedicated bag page. On this page, there is a **"Buy Now"** button that prompts users to log into their existing account to proceed with the purchase. If a user does not have an account, they are required to **register** by providing personal information such as their name, email address, password, phone number, and shipping address.

Once logged in, users can add the chosen bag to their cart. Upon adding the item, they are automatically redirected to the cart section of the website, where they can review the contents of their cart. Users have the option to **confirm the order** from the cart page.

Additionally, our website includes an **order history** section where users can view all the bags they have purchased in the past. This provides a convenient way to track previous orders.

Furthermore, the website offers a settings section where users can manage their account details. In the settings, users have the option to change their password if needed. Additionally, the website provides a **logout feature** to securely sign out from the account.

In summary, our website provides a seamless shopping experience starting from the home page, allowing users to browse and select bags, log in or register to make a purchase, manage their cart, review order history, update account

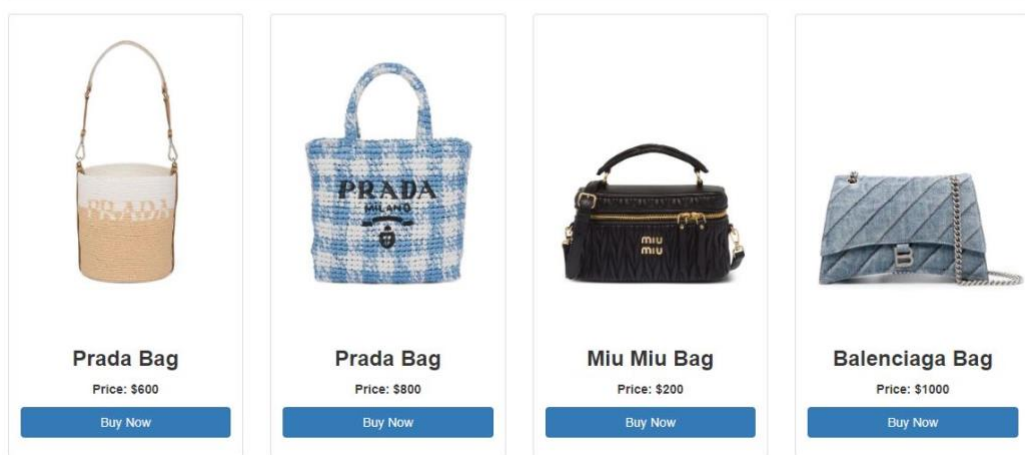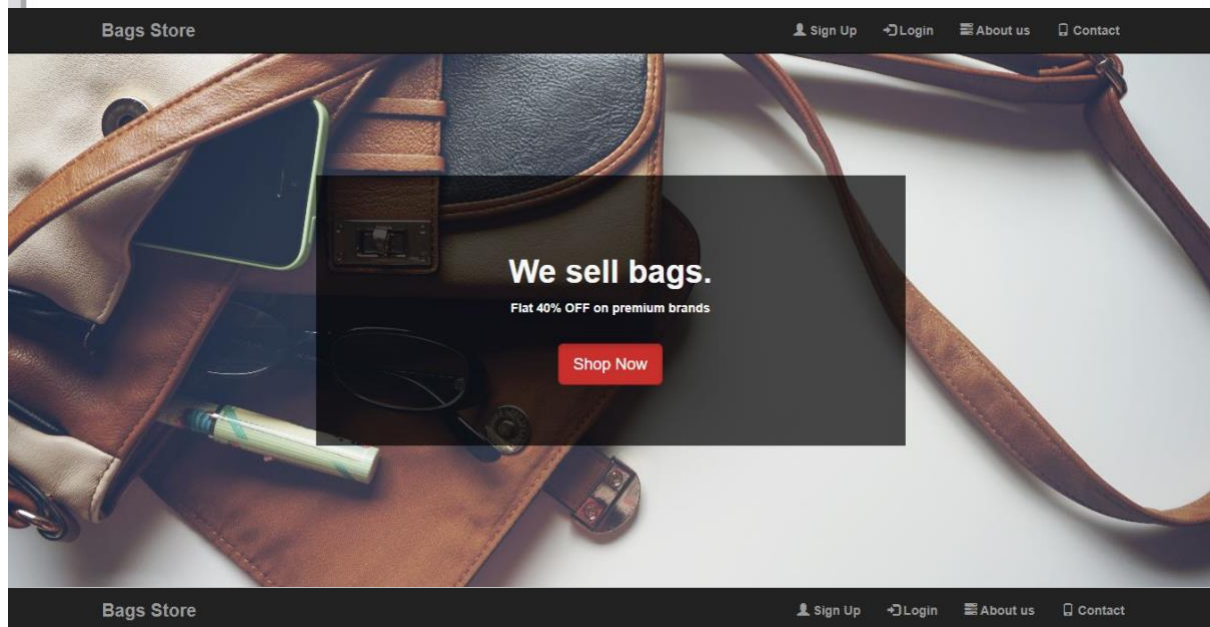|				id	name	email	password	contact	city	address
☐	Edit	Copy	Delete	1	Irisa	inazari21@epoka.edu.al	140a8b61862705773524ec3160d62608	0691234567	Tirana	Tirana
☐	Edit	Copy	Delete	2	Diora	ddelvina21@epoka.edu.al	ed0acfe968db0609c522e47aa0f5ef6a	0691234567	Durres	Durres
☐	Edit	Copy	Delete	3	Arlind	ahoxha21@epoka.edu.al	abcb781f825c50f74a7edf54f2af1c1e	0691234567	Tirana	Tirana
☐	Edit	Copy	Delete	4	Glen	gteneqexhiu21@epoka.edu.al	4bd072f7f362728d3783afef133d7cac	0691234567	Tirana	Tirana
☐	Edit	Copy	Delete	5	Kevin	khyska21@epoka.edu.al	0681c1d61884e833decaccffdb54c14d	0691234567	Tirana	Tirana
☐	Edit	Copy	Delete	6	Ira	ihoxha21@epoka.edu.al	48e41e8bd58ff75d518e03a1c0fc8d09	0691234567	Tirana	Tirana

				id	name	price ▾ 1
☐	Edit	Copy	Delete	11	Gucci Bag	1500
☐	Edit	Copy	Delete	10	D&G Bag	1500
☐	Edit	Copy	Delete	8	Prada Bag	1020
☐	Edit	Copy	Delete	4	Balenciaga Bag	1000
☐	Edit	Copy	Delete	2	Prada Bag	800
☐	Edit	Copy	Delete	6	Balenciaga Bag	750
☐	Edit	Copy	Delete	1	Prada Bag	600
☐	Edit	Copy	Delete	7	Prada Bag	600
☐	Edit	Copy	Delete	9	Diesel Bag	500
☐	Edit	Copy	Delete	12	Valentino Bag	450
☐	Edit	Copy	Delete	5	Miu Miu Bag	400
☐	Edit	Copy	Delete	3	Miu Miu Bag	200

				id	user_id	item_id	status	date_time
☐	🖉 Edit	⫴ Copy	⊘ Delete	1	1	2	Confirmed	2020-06-07 21:08:35
☐	🖉 Edit	⫴ Copy	⊘ Delete	2	1	10	Confirmed	2020-06-07 21:08:38
☐	🖉 Edit	⫴ Copy	⊘ Delete	3	3	7	Confirmed	2020-06-07 21:09:06
☐	🖉 Edit	⫴ Copy	⊘ Delete	4	3	12	Confirmed	2020-06-07 21:09:10
☐	🖉 Edit	⫴ Copy	⊘ Delete	5	5	5	Confirmed	2020-06-07 21:22:01
☐	🖉 Edit	⫴ Copy	⊘ Delete	6	5	1	Confirmed	2020-06-07 21:22:03
☐	🖉 Edit	⫴ Copy	⊘ Delete	7	9	11	Confirmed	2023-06-16 19:04:36
☐	🖉 Edit	⫴ Copy	⊘ Delete	8	9	8	Confirmed	2023-06-16 19:04:39
☐	🖉 Edit	⫴ Copy	⊘ Delete	9	1	2	Confirmed	2023-06-27 15:19:18
☐	🖉 Edit	⫴ Copy	⊘ Delete	10	1	3	Confirmed	2023-06-27 15:19:22
☐	🖉 Edit	⫴ Copy	⊘ Delete	12	1	3	Confirmed	2023-06-27 16:14:26

Bags Store

We sell bags.

Flat 40% OFF on premium brands

Shop Now

Prada Bag

Price: $600

Buy Now

Prada Bag

Price: $800

Buy Now

Miu Miu Bag

Price: $200

Buy Now

Balenciaga Bag

Price: $1000

Buy Now

Get in Touch

Hi there, we are here to help you.
Please feel free to contact us in case you have any queries regarding the products, payment or order delivery.
With respect to payment, we will be accepting prepaid orders only, in order to avoid cash payment and hence maintain social distancing.
With respect to delay in order delivery, please note that we are trying our best to deliver your order on time, but your order may be delayed due to the current situation (or unforseen circumstances). However, we ensure that your order will be delivered soon.
In case you have any other queries, please fill the form below, and our team will get in touch with you within 24 hours.
You can also contact the number given below to get in touch with our customer care executive immediately.

CONTACT US

Name

Email

Address

Submit

COMPANY INFORMATION

Tirana, Albania - 1001

Phone : +355 69 134 5678

Email : support@BagsStore.com

SIGN UP

Name

Enter a valid Email

Password

Contact (ex. 0692989778)

City

Address

Submit

LOGIN

Login to make a purchase

Email

Password

Login

Don't have an account? Register

Order History

Item name	Price	Order & time
Prada Bag	$ 800	2020-06-07 21:08:35
D&G Bag	$ 1500	2020-06-07 21:08:38
Prada Bag	$ 800	2023-06-27 15:19:18
Miu Miu Bag	$ 200	2023-06-27 15:19:22
Miu Miu Bag	$ 200	2023-06-27 16:14:26
Total	$ 3500	

Item Number	Item Name	Price	
#3	Miu Miu Bag	$ 200	Remove
	Total	$ 200	Confirm Order

phpMyAdmin

Server: 127.0.0.1 » Database: store

Structure | SQL | Search | Query | Export | Import | Operations | Privileges | Routines | Events | ▼ More

Recent | Favorites

There are no favorite tables.
- New
- information_schema
- mysql
- performance_schema
- phpmyadmin
- shop_bag
- store
  - New
  - items
  - users
  - user_item
- test

Filters

Containing the word: [　　　　　]

Table ▲	Action							Rows	Type	Collation	Size	Overhead
☐ items	⭐	Browse	Structure	Search	Insert	Empty	Drop	12	InnoDB	latin1_swedish_ci	16.0 KiB	-
☐ users	⭐	Browse	Structure	Search	Insert	Empty	Drop	6	InnoDB	latin1_swedish_ci	16.0 KiB	-
☐ user_item	⭐	Browse	Structure	Search	Insert	Empty	Drop	11	InnoDB	latin1_swedish_ci	16.0 KiB	-
3 tables	Sum							29	InnoDB	utf8mb4_general_ci	48.0 KiB	0 B

⬆ ☐ Check all   With selected: [　　　　▼]

🖨 Print 🗂 Data dictionary

Create new table

Table name   Number of columns

[　　　　　]   [4　　　]   (Create)