PROJECT DOCUMENTATION

Project title: Online shopping Website (Bags & Accessories)

Course: Web Technologies and Programming (SWE II)

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ABSTRACT

Electronic commerce is a kind of industry where buying and selling of a specific product is performed over electronic systems such as Internet. The purpose of this web page is to bring knowledge to students about how to design an interactive, dynamic and fully structure ecommerce web page using languages such as : Javascript, Html,Php, CSS for styling it and also using sql to build the proper database for containing the necessary information. Database is accessible from the websites. The structure of the webpage provides an easy and convenient way to search for products along with their characteristics and make an order through just a mouse click. The main emphasis lies in contributing with a user-friendly interface for effectively showing the desired view. This project also aims to enhance the culture of performing and interacting through online businesses as it offers a variety of products wherever and whenever you are, without costing you to spend time visiting physically different shops and feeling nervous about not finding the right one.

1.Introduction

1.1 Goal

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 system aims to be easy to use and hence make the shopping experience pleasant for the users. The goal of this application is :

• To develop an easy way of use for web-based interface where users can search for desired products(bags and accessories) , view a complete description of the products and order the products.

• A structured web page that provides an easy and convenient way to search for products specific to their needs.

• An stylish design of the website in order to offer a user-friendly "environment" for the clients.

• Drag and Drop feature which would allow the users to add a product to or remove a product from the shopping cart by dragging the product in to the shopping cart or out of the shopping cart.

• A user can have a look of the complete specification of the product along with accurate images.

1.2 Need of our website

There is a variety of commercial Online Shopping websites offering different products prepared to meet the shopping interests of large number of customers. These online marketplaces have thousands of users all around the world, which is a huge benefit compared to physical shopping that is only accessed by local people.

Problem:

• Actual systems are defined with non-interactive environment they provide to the users.

• The use of traditional user interfaces which make continuous post backs to the server where each post back requires to get an answer from the server and to refresh the entire web form to display what it contains. This feature has a disadvantage in online businesses because it causes a delay in displaying the specific results.

• Use of non user -friendly interfaces that are difficult to use from clients of any age.

Solution:

•We create a non-traditional interface of webpages in order not to delay displaying results required by the clients.

•We create a user-friendly interface of website in order to be easily used from all group ages.

•We provide interactive interface through which a user can interact with different areas of web pages properly.

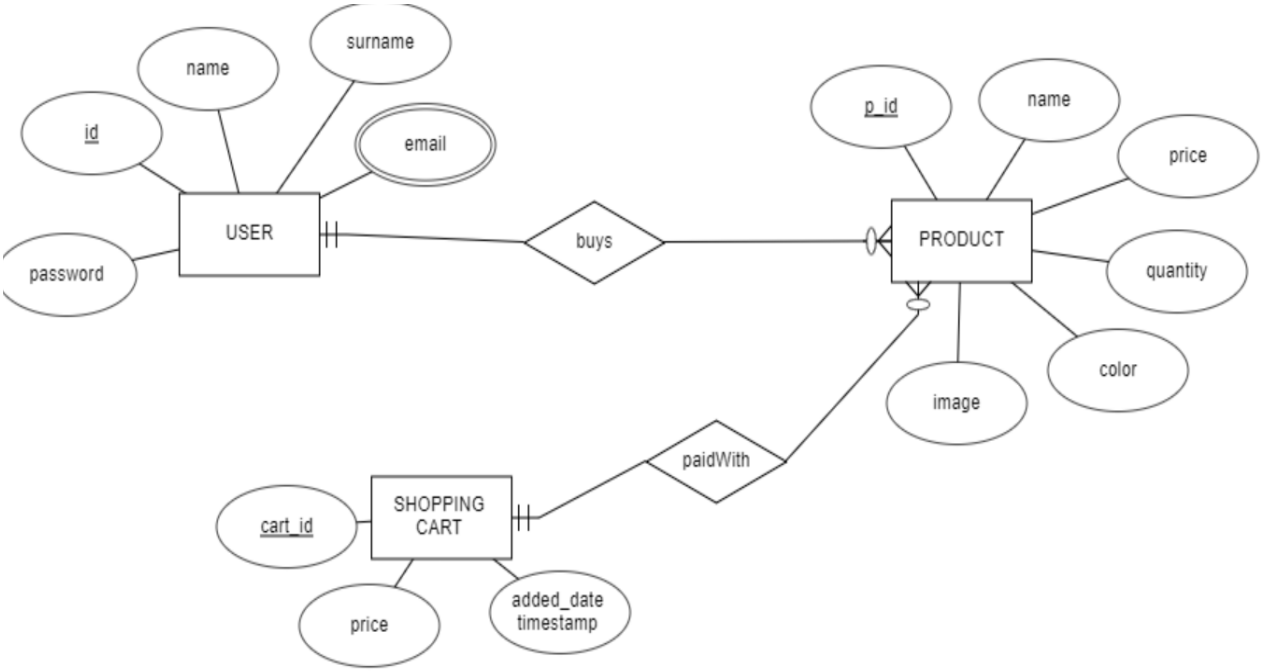
• Provide Remove and Drop feature thereby allowing the user to add products to or remove products from the shopping cart by dragging the products in to or out of the shopping cart.

The system is designed to ask the user (dialogue boxes) if he is sure about the action he will take, such as remove or delete items from the cart. This enhances the communication between the system and the user and makes the user think twice before taking an action.

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.

3.1 ERD Diagram



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#	Requirement	Comments	Priority	Date reviewed	SME reviewed/ approved
R_01	**Content to be created and published in the system (i.e., documents, blogs, videos, etc.)**	Based on the role and the account type of the user, the app will provide different views.	1	10.06.2022	I Rrucaj A Meta L Lera
R_02	**Operations performed by each screen**		1	10.06.2022	I Rrucaj A Meta L Lera
R_03	**Content approval work-flow process**		1	10.06.2022	I Rrucaj A Meta L Lera
R_04	**Actors are the users who will interact with our product:admin,users.**		1	10.06.2022	I Rrucaj A Meta L Lera

-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	10.06.2022	I Rrucaj A Meta L Lera
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	10.06.2022	I Rrucaj A Meta L Lera
R_07	**Services**	what services you provide and the write up on each.	1	10.06.2022	I Rrucaj A Meta L Lera
R_08	**FAQ or Frequently Asked Questions**	think of all the questions you've been asked repeatedly or people might want the answers to.	1	10.06.2022	I Rrucaj A Meta L Lera
R_09	**Testimonials or Reviews**	Start collecting or ask for them from your customers or clients. It will be good if they're happy to provide a photo	2	10.06.2022	I Rrucaj A Meta L Lera

		of themselves to go with the testimonials but this is optional. More can be added in time.			
R_10	**Blog post**	If you are going to blog, you will need to provide at least one blog post to start and set-up with. It is a good idea to blog or post articles on your website.	1	10.06.2022	I Rrucaj A Meta L Lera
R_11	**Scalability**	Will the system be able to handle large volume of users that keeps increasing?	1	10.06.2022	I Rrucaj A Meta L Lera
R_12	**Capacity**	How much storage will be needed?	1	10.06.2022	I Rrucaj A Meta L Lera
R_13	**Availability**	Availability and downtime of the application	1		I Rrucaj A Meta L Lera
R_14	**Security**	This includes security of the content and encryption	1		I Rrucaj A Meta L Lera

REQUIREMNENTS BASED ON THE PAGES OF THE WEBPAGE:

1. Login->Here it is determined the role of the user whether it is a client or an admin.

2. Admin Page-> Here are all the links available only for the admin

3. Women->a section of women products

4. Men-> a section of men products

5. Accessories->accessories is a section with accessories for both genders

6. Account page –>In this page it is also included the shopping chart,where you can see what is inside it and how much they cost.

7. Home page->Many images included to advertise the products, and also links to link all pages with each other.

8. Info page->Details and information about the company.

9. Product info->Detailed information for each product included in the website.

10. Add product page admin->The admin of the page uses this form to add a new product for sale in the website.

11. Page with products, users for admin-page available for users to see available products.

Description of main pages in our project

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 used from different group ages. Our site is separated in different mini sections, each for a specific use such as: home, about, women, men, accessories, cart, contact, log-in, register.

If you click on the logo of bags it brings you to the main page(home). **Home page** is responsible for advertising the company brand and it includes all the buttons for navigating through website."

Log-in option is used to determine the role of the user whether he is a simple user (client) or admin.

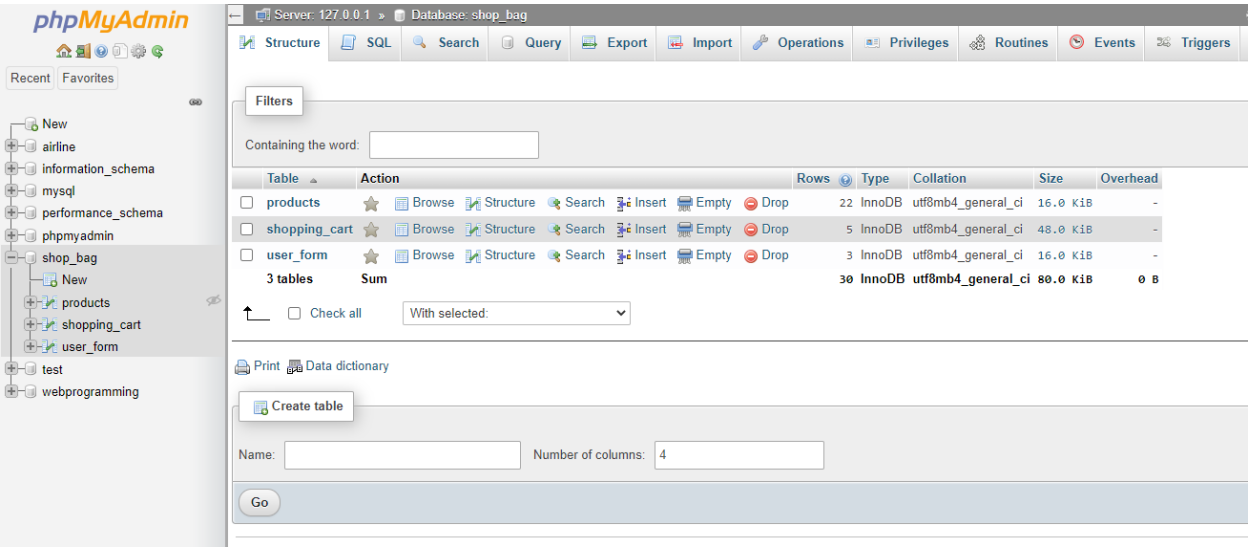
Register option is used if it is your first time using the web page, you have to register to make a purchase and all of the data is stored in database. **Women section** advertises all bags for women. If the user clicks one product image, he views all the details of the product such as product name , price, color, design ,**in-stock** quantity and **add-to-cart option**. The program performs check-in for the stock by specifying the quantity ; zero if there is no product left or more than zero. If the quantity of that specific product in the stock is bigger than zero, the user can add that product to his cart. The maximum number of the products that the user gets from the stock is seven. If that product is **not in stock**, there is no option for the user to add that product in cart. The same operations are performed in **men section** .

Accessories section includes products that will be entered in the system from admin and will be updated from admin. Update page profile is responsible for updating the data of the user from the user himself. When updating his profile, the user is asked to confirm the new password. At the moment the user requires to log out, he gets questions (dialogue boxes) if he is sure to log out.(Are you sure to log out?) When trying to log in , the user is required to only enter the email and password. After validation of the data, they are stored in the database. If it is the first time for him to log in, he has to click the button register. If the user is already registered, he cannot register from the beginning because he is present in the website.When the user tries to delete, remove or update he gets a message if he is sure to continue that operation. **"Remove"** action from the user deletes a specific product from the user's cart. **"Delete all"** option deletes all the products added to the user's cart. When the user **updates the quantity** of the product ,

the total price is automatically updated. For example, 1 bag->total price=$285 ; 2 bags->total price=$570 While operating on the cart , the user needs to be registered or logged in first.

Admin can view the products of the website or remove them. He can also view the data of the users. All the products that are present in the database, are represented according to the Database format. Add_product contains a form where admin adds the products in the website. View_product and View_user options are only accessed from the admin.

Database shop_bag



User_form table

	id	name	surname	email	password
Edit Copy Delete	1	admin	admin	admin@gmail.com	202cb962ac59075b964b07152d234b70
Edit Copy Delete	2	Ann	Smith	an@gmail.com	b9228e0962a78b84f3d5d92f4faa000b
Edit Copy Delete	3	Ann	Smith	a@gmail.com	202cb962ac59075b964b07152d234b70

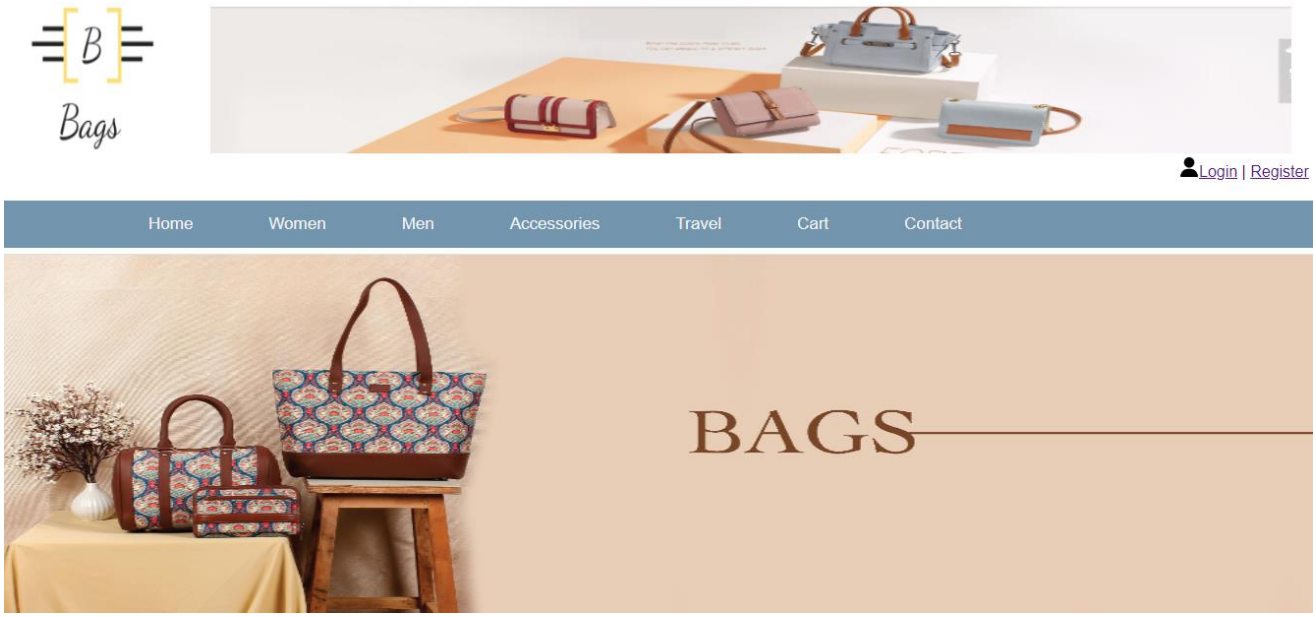
Product Table

	p_id	name	price	quantity	color	image	design	new_in	category
Edit Copy Delete	1	DaMilano bag	150	3	green	bag1.jpg		new	women
Edit Copy Delete	2	bag2	300	2	white	bag13m.jpg		not	men
Edit Copy Delete	3	DaMilano bag	90	*NULL*	black	bag3.jpg	The design is from Italy		women
Edit Copy Delete	4	Cocinelle	110	*NULL*	white	bag7.jpg	The design is from Italy		women
Edit Copy Delete	5	Laptop Bag	205	5	blue	bag5.jpg	daMilano		women
Edit Copy Delete	6	Luggage Bag	258	7	brown	bag6.jpg	daMilano		women
Edit Copy Delete	7	Coccinelle	219	10	light blue	bag8.jpg	Wardow, Italy		women
Edit Copy Delete	8	Lacoste	246	8	black	bag9m.jpg	This design is from Lacoste.	new	men
Edit Copy Delete	9	Croco Effect Bag	190	10	black	bag10m.jpg	Design from DaMilano	new	men
Edit Copy Delete	10	Lacoste	50	7	blue	bag11m.jpg	This design is from Lacoste.	not	men
Edit Copy Delete	11	Coccinelle	70	7	brown	bag12m.jpg	This is design from Coccinelle, Italy.	not	men
Edit Copy Delete	12	Lacoste	120	10	black	bag14m.jpg	This is a design from Lacoste.	not	men
Edit Copy Delete	13	Aleon	225	9	black	travel6.jpg	Designed as a travel bag	new	travel
Edit Copy Delete	14	Eastpack	70	10	green	travel1.jpg	Design from Italy.	not	travel
Edit Copy Delete	15	Eastpack	80	10	black	travel2.jpg	Design from England	new	travel
Edit Copy Delete	16	Patagonia	90	14	black	travel3.jpg	Design from England	new	travel
Edit Copy Delete	17	Patagonia	90	10	black	travel5.jpg	Design from France	new	travel
Edit Copy Delete	18	Eastpack	65	10	black	travel4.jpg	Design from Italy.	new	travel
Edit Copy Delete	20	DaMilano bag	150	3	green	bag1.jpg		new	women

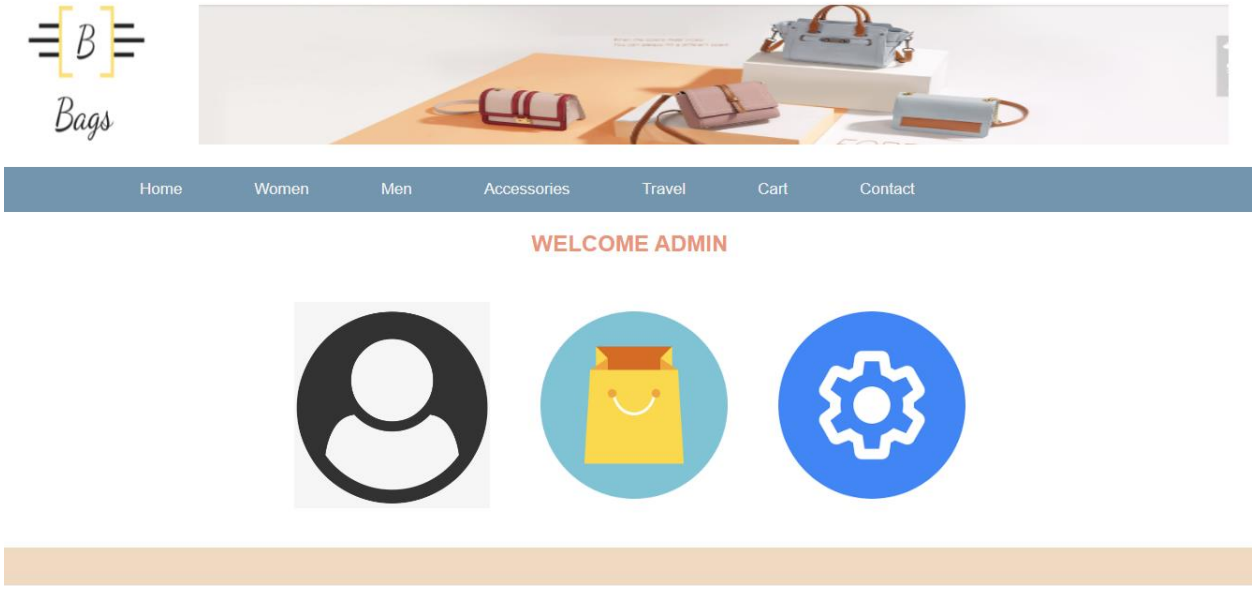
shopping_cart Table

	cart_id	user_id	p_id	price	quantity	added_date
Edit Copy Delete	1	1	1	90	3	2022-06-13 19:01:04
Edit Copy Delete	3	1	8	120	1	2022-06-13 17:12:51
Edit Copy Delete	4	3	4	110	2	2022-06-14 09:39:07
Edit Copy Delete	5	3	7	219	3	2022-06-14 09:39:20
Edit Copy Delete	6	3	6	258	2	2022-06-14 11:32:57

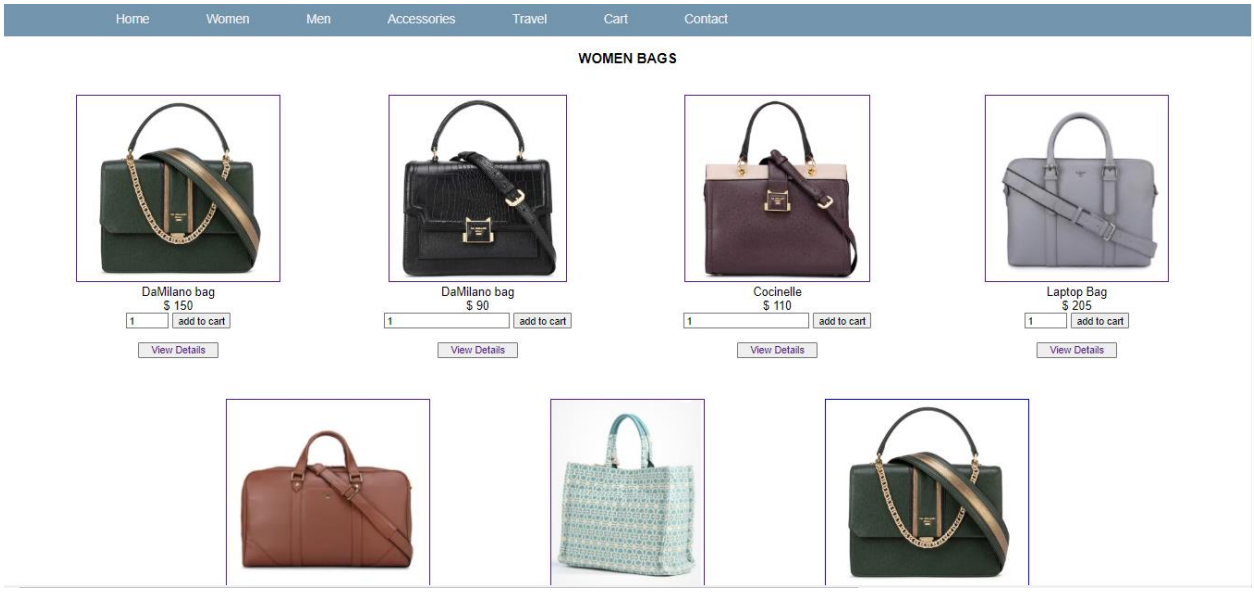
1. HOME PAGE



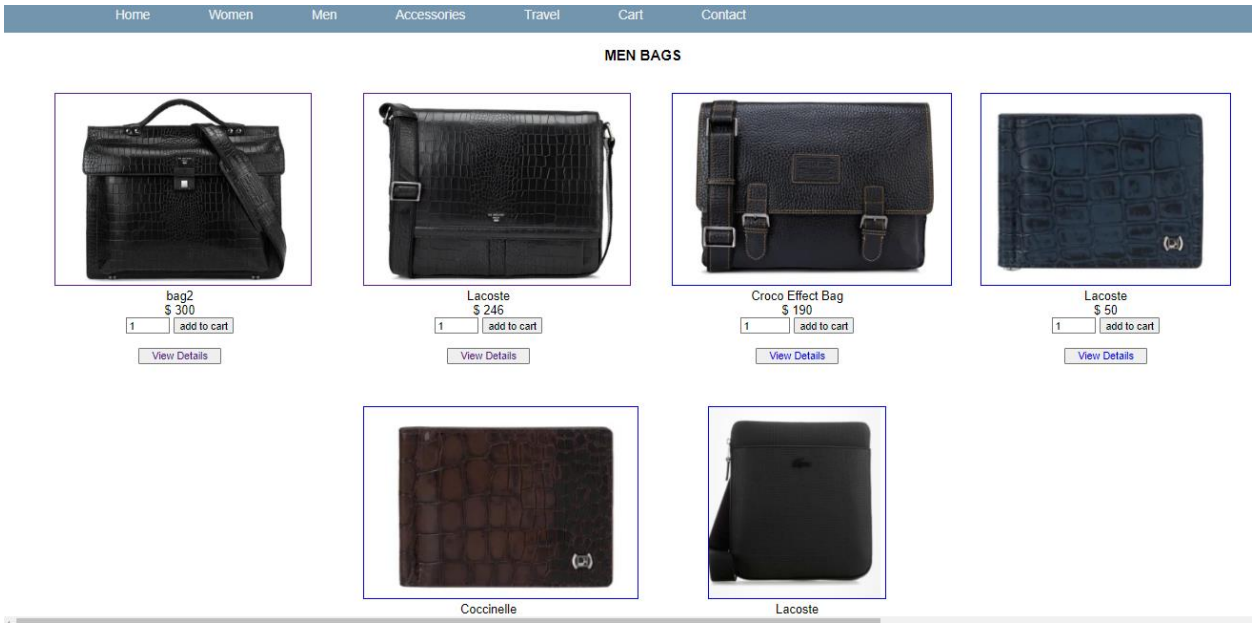
2. ADMIN PAGE



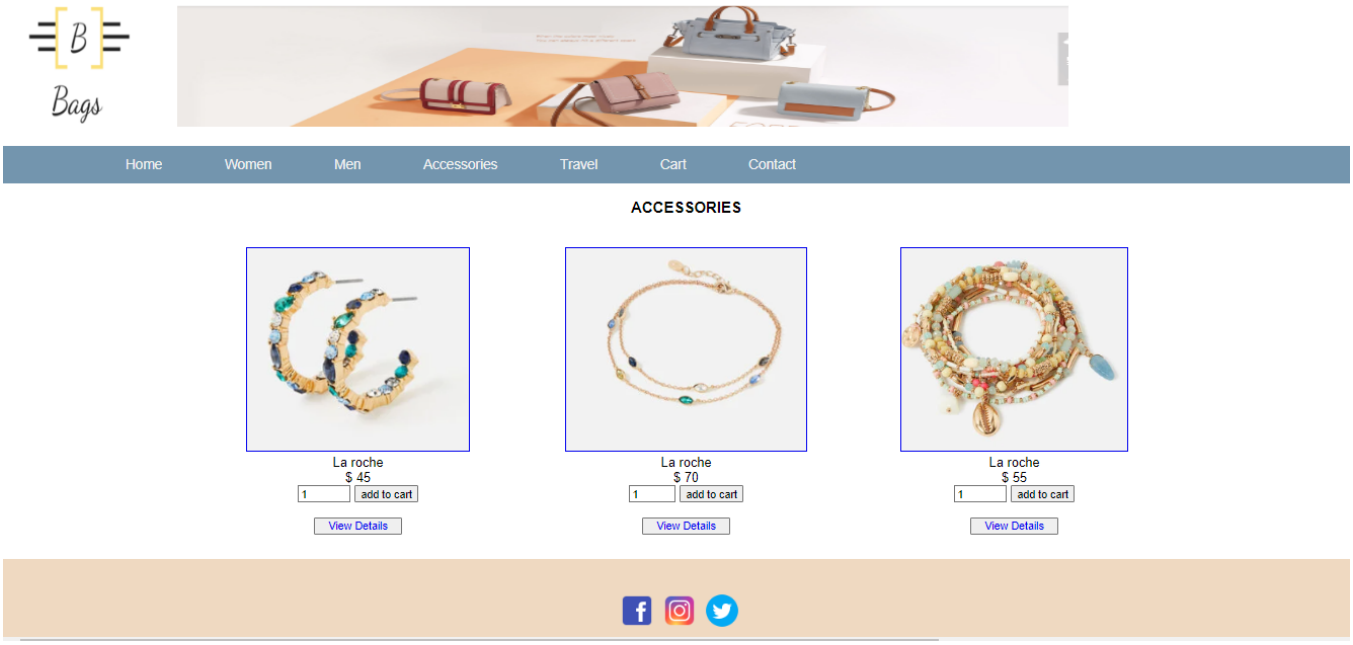
3. WOMEN BAGS PAGE



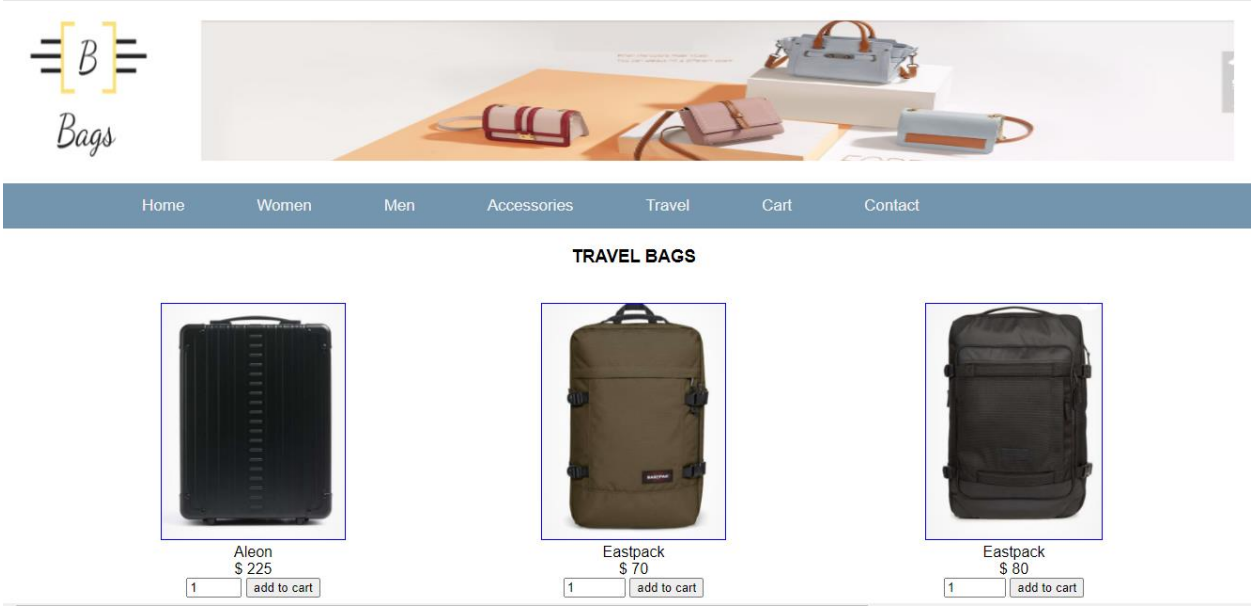
4. MEN BAGS PAGE



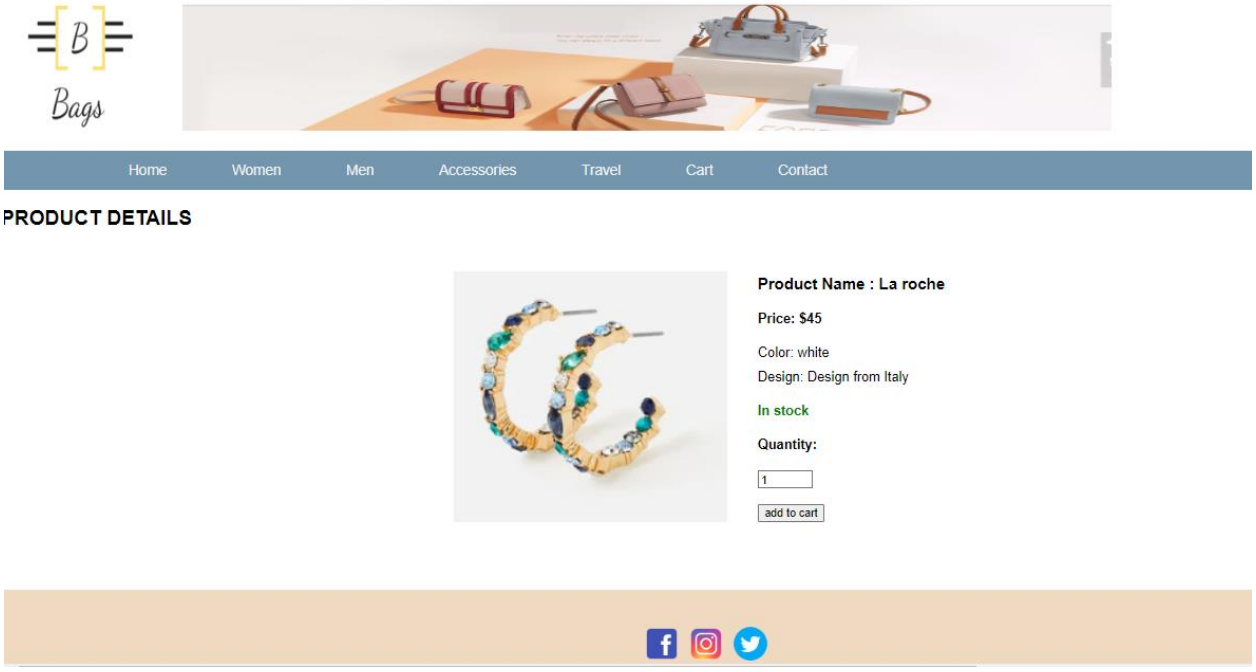
5. ACCESSORY PAGE



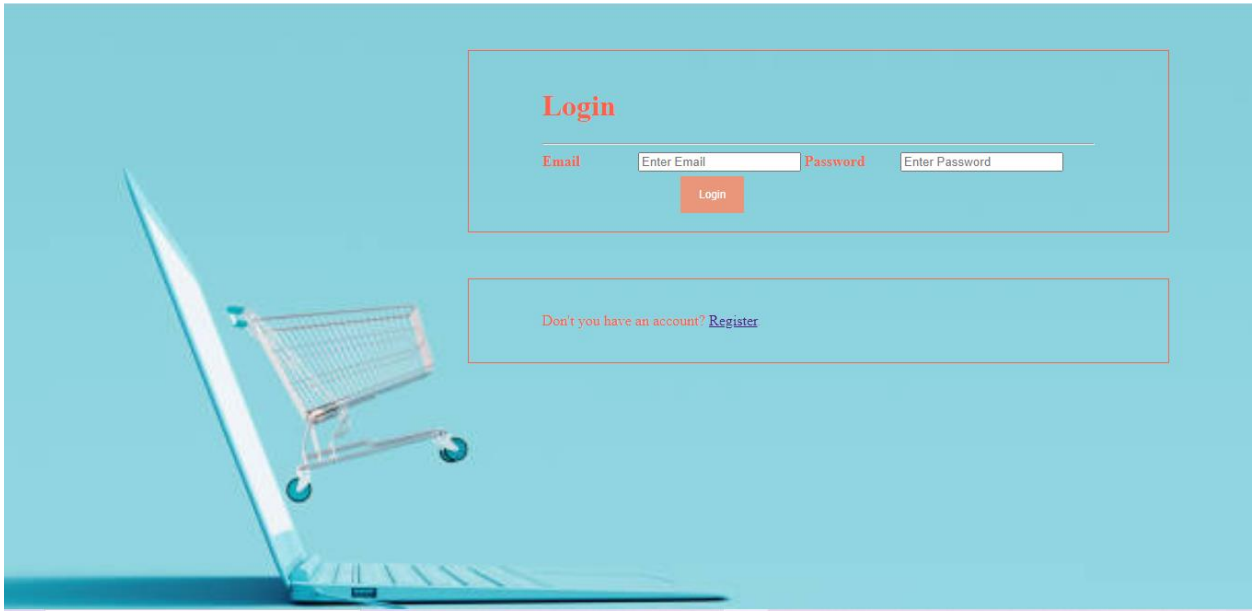
6. TRAVEL



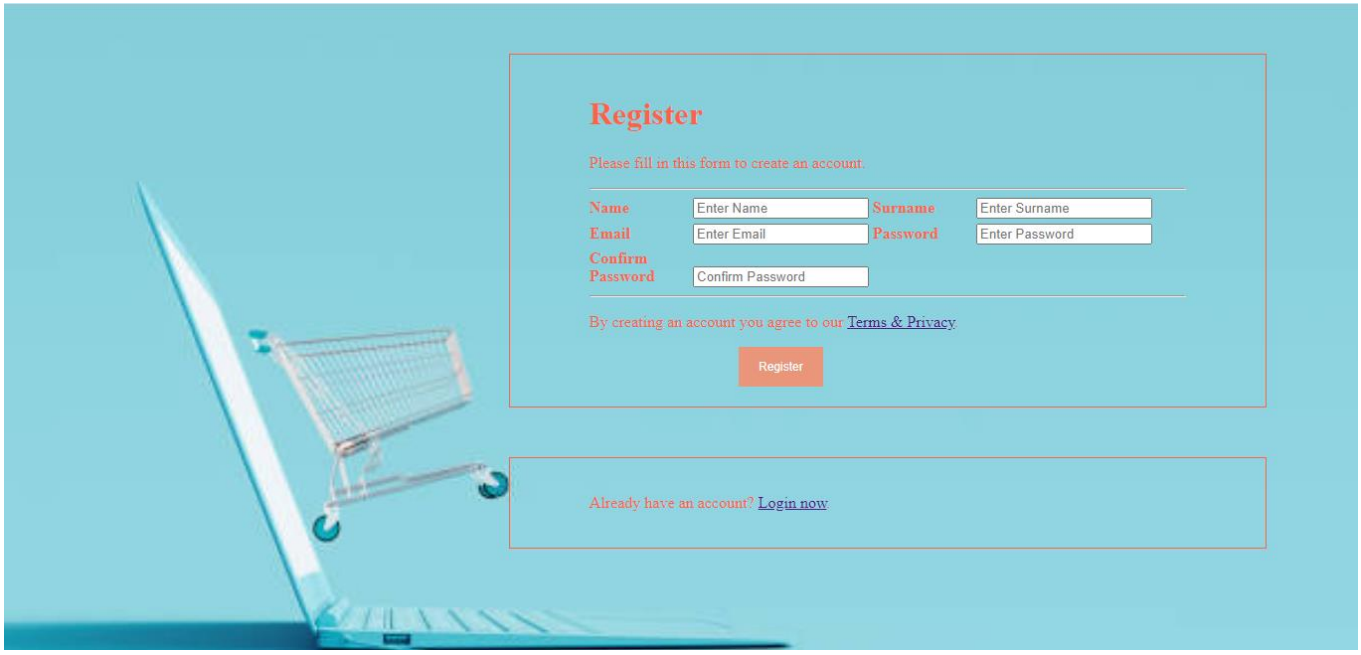
7. PRODUCT DETAILS



8. LOGIN



9. REGISTER



10. UPDATE

11. VIEW PRODUCTS

VIEW PRODUCTS

Image	Name	Price	Quantity	
	DaMilano bag	150	3	Remove
	bag2	300	2	Remove
	DaMilano bag	90		Remove
	Cocinelle	110		Remove
	Laptop Bag	205	5	Remove

12. VIEW USERS

Home Women Men Accessories Travel Cart Contact

USER ID	Name	Surname	Email	Password	
1	admin	admin	admin@gmail.com	202cb962ac59075b964b07152d234b70	Remove
2	Ann	Smith	an@gmail.com	b9228e0962a78b84f3d5d92f4faa000b	Remove
3	Ann	Smith	a@gmail.com	202cb962ac59075b964b07152d234b70	Remove