

creation of an e-commerce site

2022/2023

Presented By:
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Benzerga Khadija

Overview

- **Company presentation**
- **The Conceptual aspect**
- **Specifications document**
- **Project management methodology**
- **UML Diagrams**
- **Implementation**
- **Navigation diagram**



Company presentation

HIBARIJ s.a.r.l specializes in the retail sale of telephone equipment, devices and accessories.

Address

**Avenue Achorafaa,
Residence Al Amane,
No. 1, Tetouan.**

Legal Form

**Limited Liability
Company**

Sales figures

12,587 MAD

Capital

10 0000 MAD



I. The Conceptual aspect



- **Specifications document:**

The objective is to develop an e-commerce application to provide users with a user-friendly and convenient platform for online shopping.





what's e-commerce

- **buying and selling products and services over the Internet**
- **an essential part of the modern economy.**
- **the act of automating processes such as inventory management, order tracking, and payment processing.**

Functional Needs

- **User Registration and Authentication**
- **Product Catalog Management**
- **Shopping Cart Functionality**
- **Order Management**
- **Payment Integration**
- **User Account Management**

Client Needs

- **Increase online sales and revenue**
- **Attract and retain customers**
- **Ensure secure and reliable online transactions**
- **Streamline order fulfillment and delivery**
- **Collect and analyze customer data**

Non-functional Needs

- **Performance**
- **Scalability**
- **Security**
- **Usability**
- **Reliability**
- **Compatibility**



- **Project management methodology:**

Choice of SCRUM as the Agile methodology.





User stories:

- As a customer, I want to be able to filter products by category, price range so that I can narrow down my search and find products that meet my specific criteria.
- As a customer, I want to be able to view detailed product information, including images and descriptions so that I can make informed purchasing decisions.
- As a customer, I want to be able to add products to a shopping cart and keep track of the items I intend to purchase.
- As a customer, I want to be able to securely proceed through the checkout process, enter my shipping and billing information, and select a preferred payment method to complete my purchase.
- As a customer, I want to see order updates, including order confirmations and shipping tracking information, so that I can stay informed about the status of my purchases.



User stories:

- As a customer, I want to be able to create and manage a user account, including updating my personal information, viewing order history, and saving payment preferences, for a convenient and personalized shopping experience.
- As an administrator, I want to be able to manage product inventory, including adding new products, updating stock quantities, and marking products as out of stock.
- As an administrator, I want to be able to manage customer orders, including processing payments, updating order status, and generating invoices or shipping labels.

Sprints:

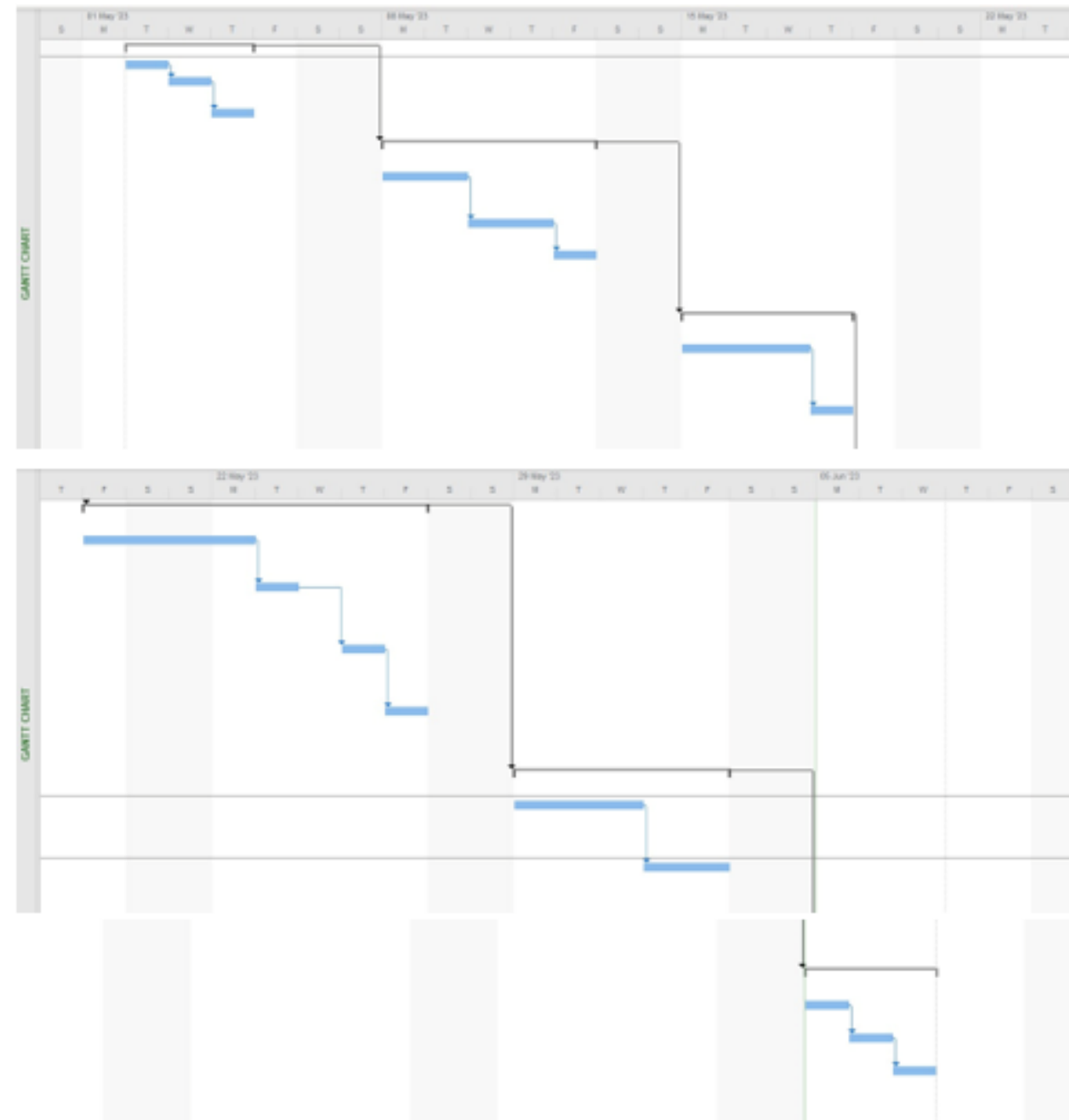
We divided the project into five sprints:

- User Registration and Login
- Product Listing and Search
- Order History and Tracking
- Shopping Cart and Checkout
- Optimization and Refinement

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			Task Mode ▾	Task Name ▾	Duration ▾	Start ▾	Finish ▾	Predecessors ▾				Set up a database to store user information and product data.	1 day	Thu 18/05/23	Thu 18/05/23	10
1				🔪 specification document	3 days	Tue 02/05/23	Thu 04/05/23									
2				Functional Needs	1 day	Tue 02/05/23	Tue 02/05/23				🔪 Shopping Cart and Checkout:		6 days	Fri 19/05/23	Fri 26/05/23	9
3				Non-fucntional Needs	1 day	Wed 03/05/23	Wed 03/05/23	2				Build the shopping cart feature, allowing users to add products.	2 days	Fri 19/05/23	Mon 22/05/23	
4				Technical reauirement	1 day	Thu 04/05/23	Thu 04/05/23	3				Implement basic validation and error handling in the cart and checkout flow.	1 day	Tue 23/05/23	Tue 23/05/23	13
5				🔪 User Registration and Login	5 days	Mon 08/05/23	Fri 12/05/23	1								
6				Implement user registration functionality.	2 days	Mon 08/05/23	Tue 09/05/23					Develop the checkout process, including shipping address and payment information.	1 day	Thu 25/05/23	Thu 25/05/23	14
7				Implement user login functionality	2 days	Wed 10/05/23	Thu 11/05/23	6								
8				Create basic front-end layouts for registration and product listing pages.	1 day	Fri 12/05/23	Fri 12/05/23	7				Integrate with a payment gateway to manage secure transactions.	1 day	Fri 26/05/23	Fri 26/05/23	15
9				🔪 Product Listing and Search:	4 days	Mon 15/05/23	Thu 18/05/23	5			🔪 Order History and Tracking:		4 days	Mon 29/05/23	Thu 01/06/23	12
10				Develop the product listing page with basic search and filtering capabilities.	3 days	Mon 15/05/23	Wed 17/05/23					Enable admin to view user order history and change the status of their orders.	2 days	Mon 29/05/23	Tue 30/05/23	
11				Set up a database to store user	1 day	Thu 18/05/23	Thu 18/05/23	10				Enable users to view their order history and track the status of their orders.	2 days	Wed 31/05/23	Thu 01/06/23	18
											🔪 Optimization and Refinement		3 days	Fri 02/06/23	Tue 06/06/23	17
												Fix reported bugs and usability issues.	1 day	Fri 02/06/23	Fri 02/06/23	
												Improve app performance.	1 day	Mon 05/06/23	Mon 05/06/23	21
												Make the page responsive on different devices.	1 day	Tue 06/06/23	Tue 06/06/23	22

Gantt Chart



Gantt chart

- **UML Diagrams:**

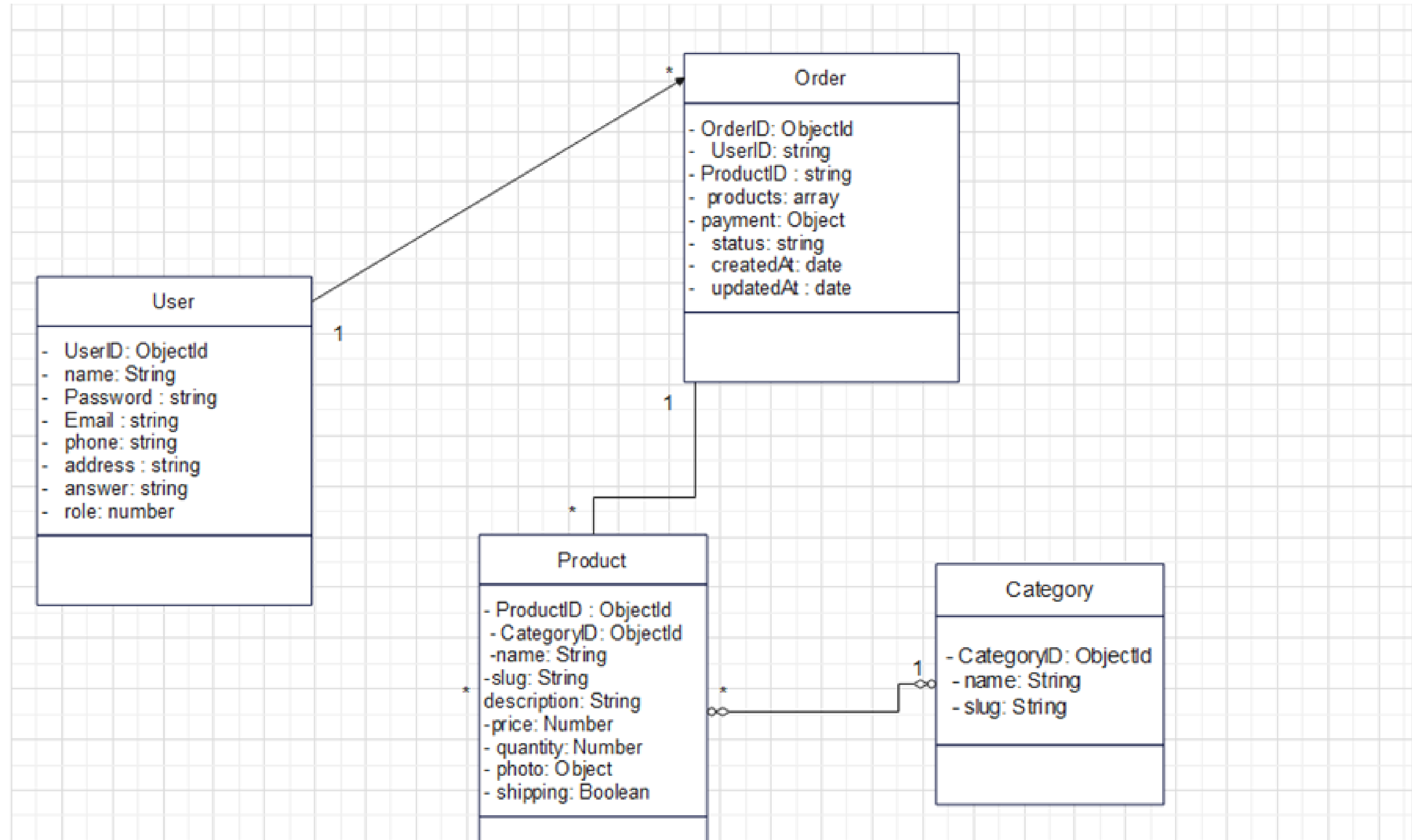
UML is a visual language consisting of diagrams to represent software systems.

Why Model?

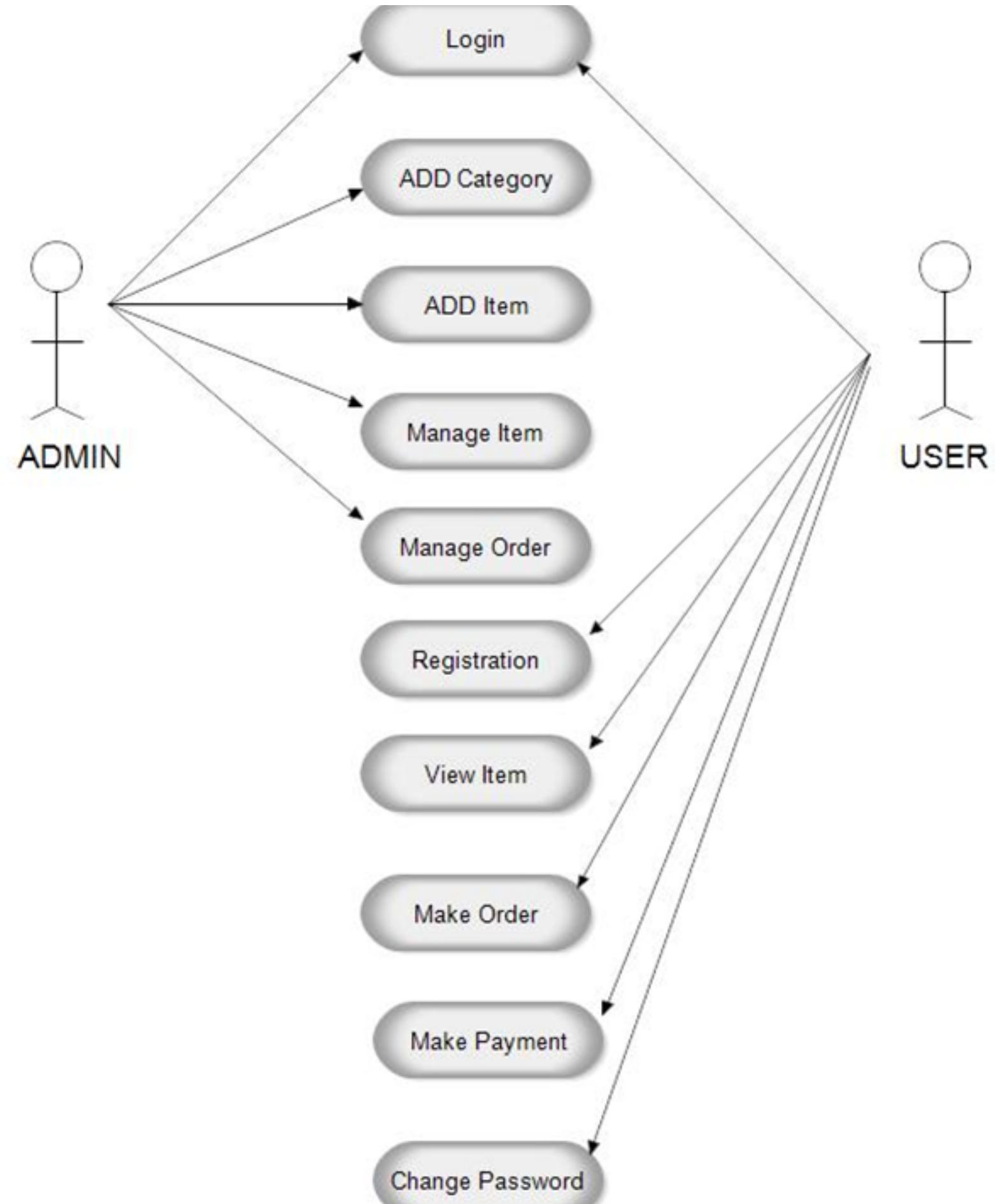
Modeling helps to visualize and describe the system before implementation.



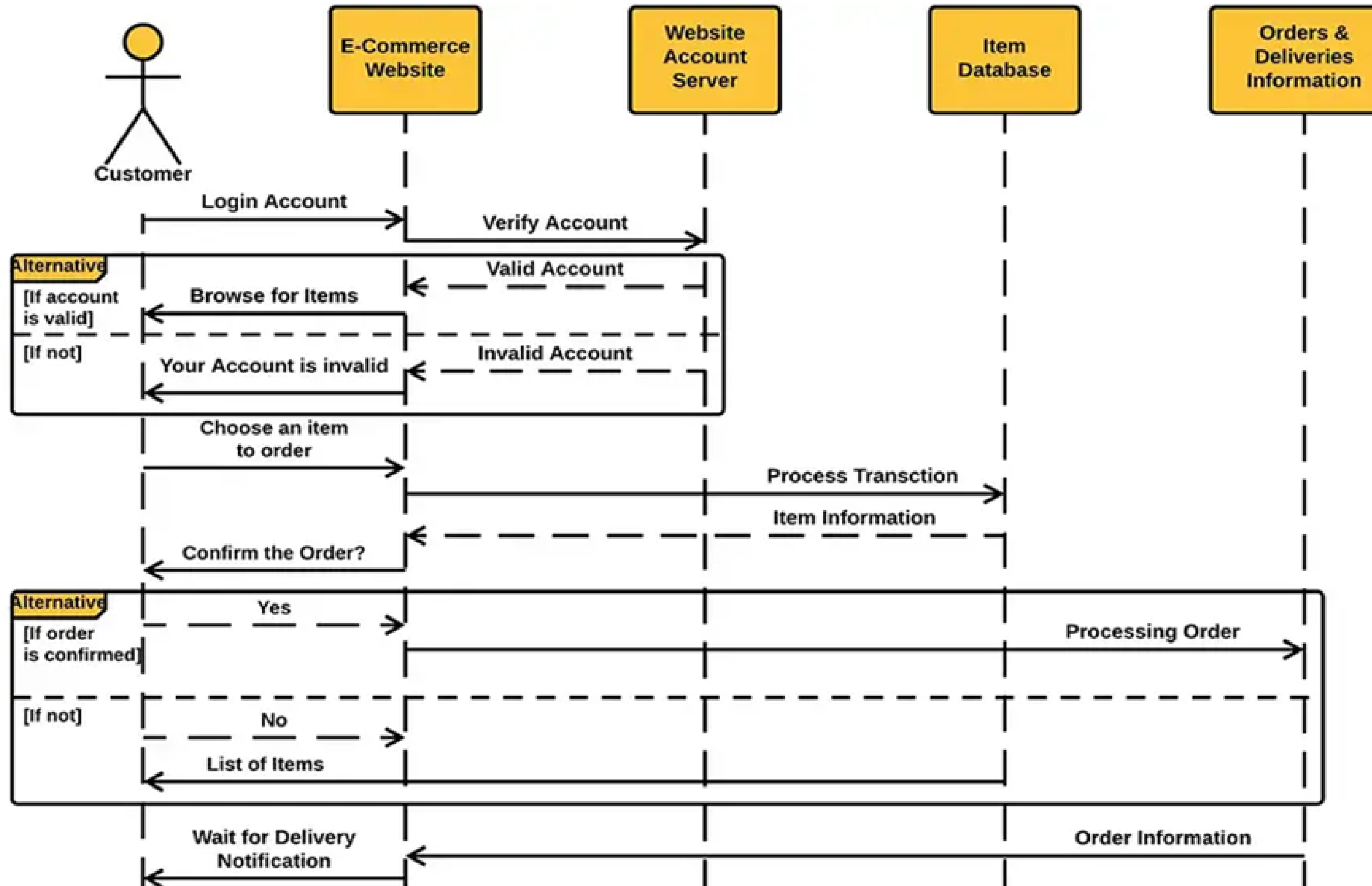
Class Diagram:



Use Case Diagram:



Sequence Diagram:





II. Implementation



Technologies used:

• **Front-end:**

- React Hot Toast (v2.4.1)
- React Toastify (v9.1.3)
- Axios (v1.4.0)
- Ant Design (v5.5.2)
- Emotion React (v11.11.0) and Emotion Styled (v11.11.0)
- MUI (Material-UI) (v5.13.3)
- Testing Library Jest-DOM (v5.16.5),
Testing Library React (v13.4.0),
Testing Library User-Event (v13.5.0)
- Web Vitals (v2.1.4)
- React DOM (v18.2.0)

back-end

- Express.js (v4.18.2)
- Express Formidable (v1.2.0)
- Mongoose (v7.2.1)
- Morgan (v1.10.0)
- Bcrypt (v5.1.0)
- Braintree (v3.16.0)
- Colors (v1.4.0)
- Concurrently (v8.0.1)
- CORS (v2.8.5)
- Dotenv (v16.0.3)
- Jsonwebtoken (v9.0.0)
- Moment.js (v2.29.4)
- Nodemon (v2.0.22)
- Reactstrap (v9.1.10)
- Slugify (v1.6.6)



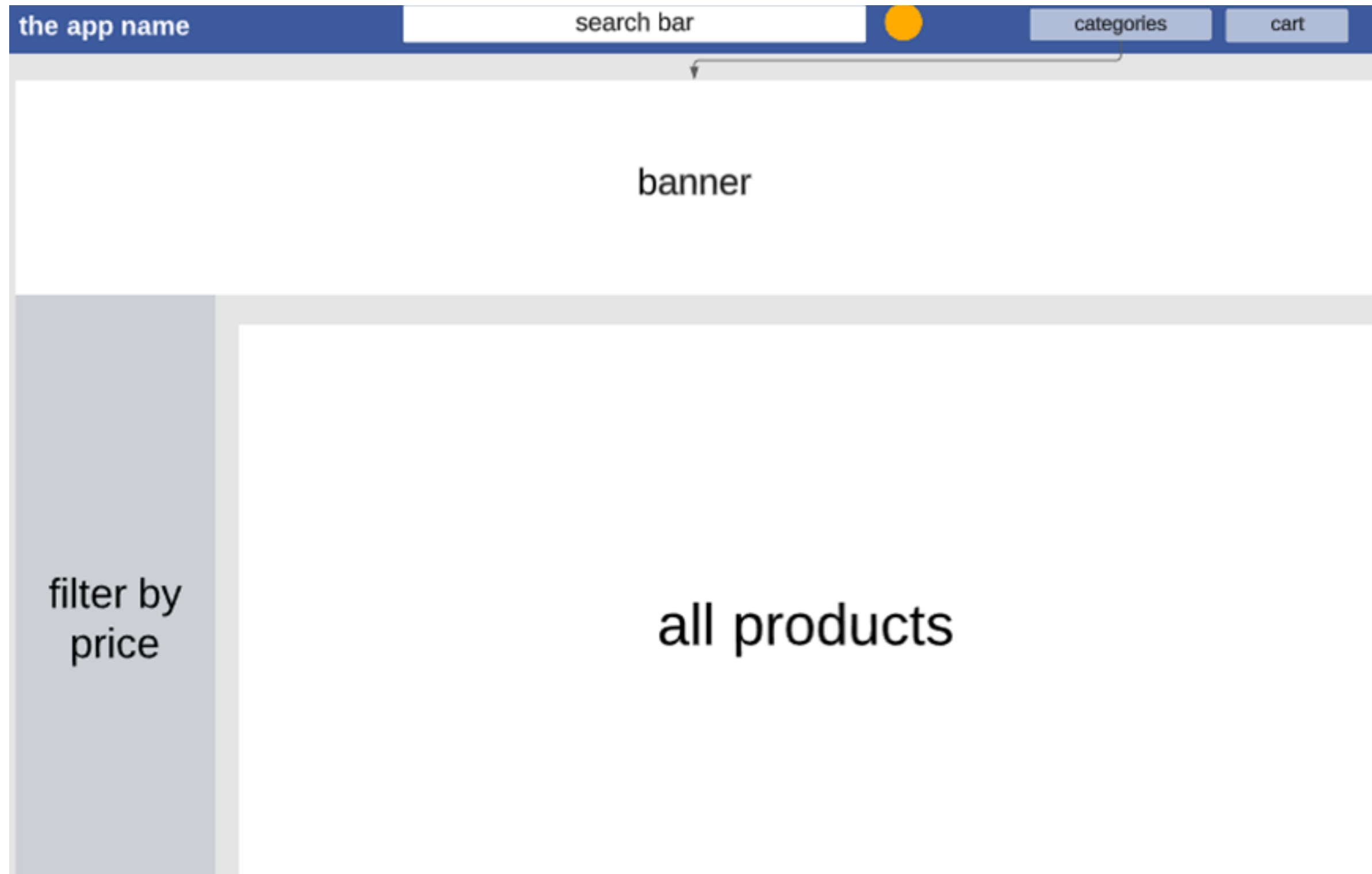
II. User Manuel



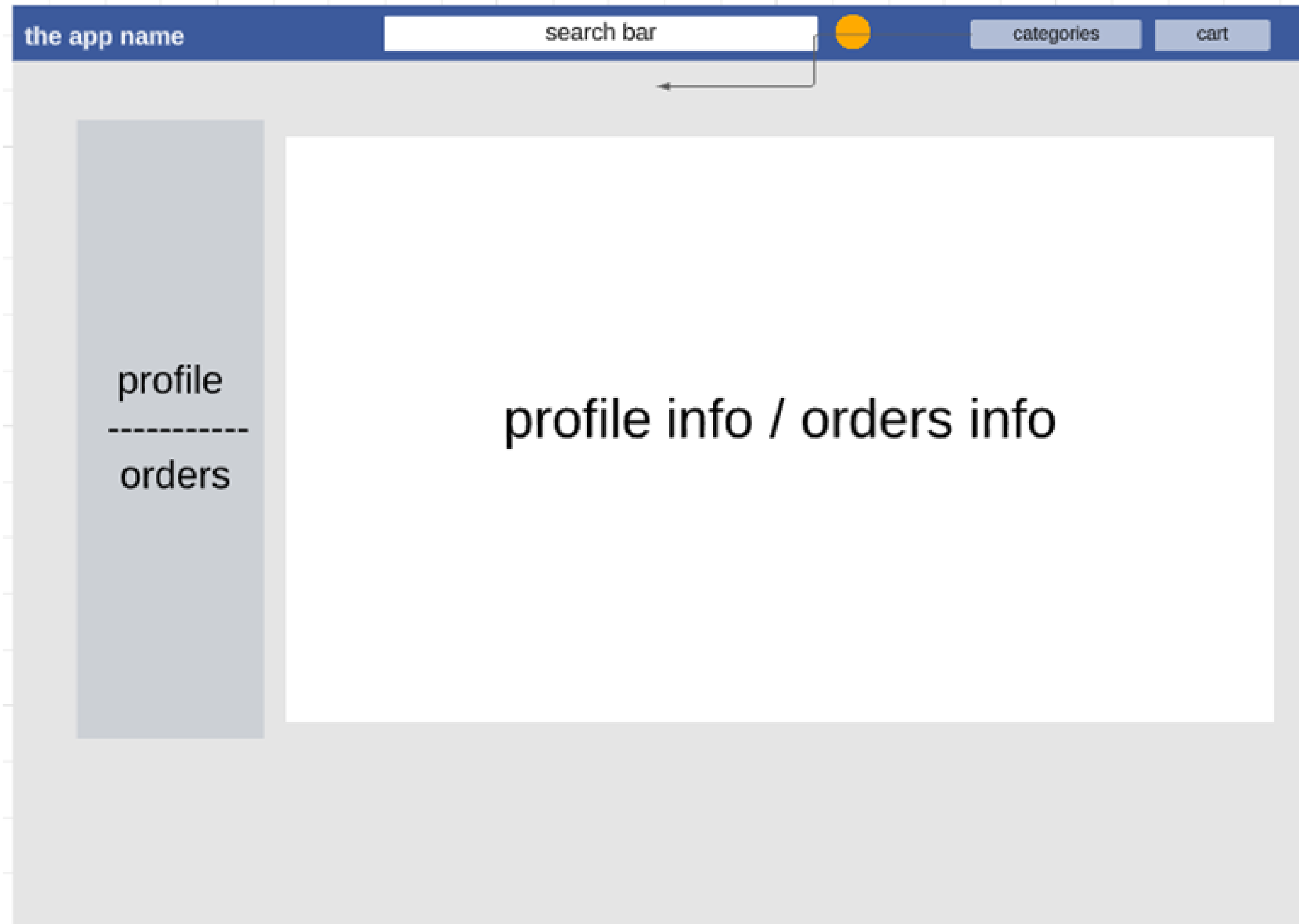
- **WIREFRAMES:**

Wireframes are visual blueprints that outline the structure and functionality of a digital product

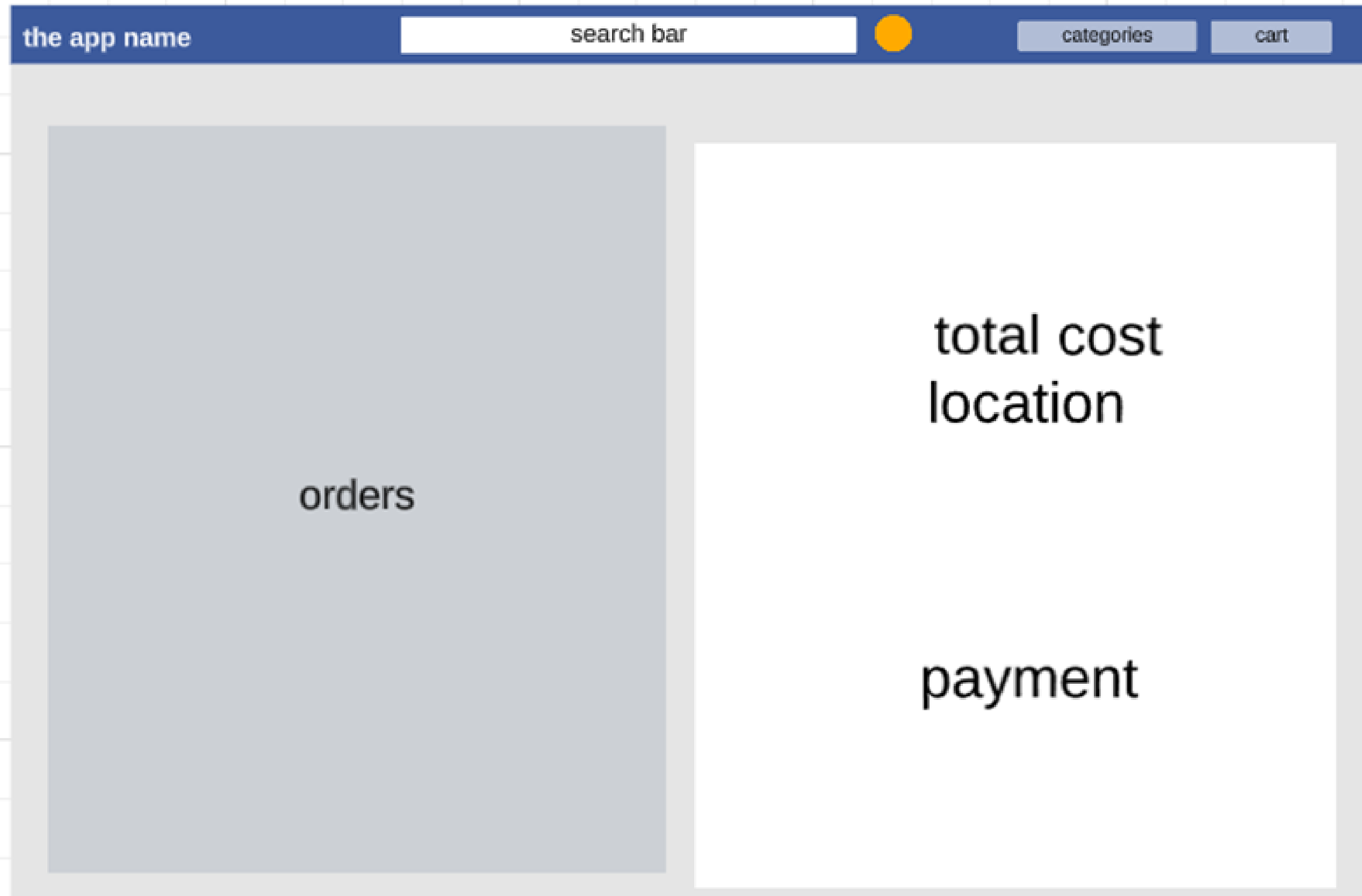
Home Page:



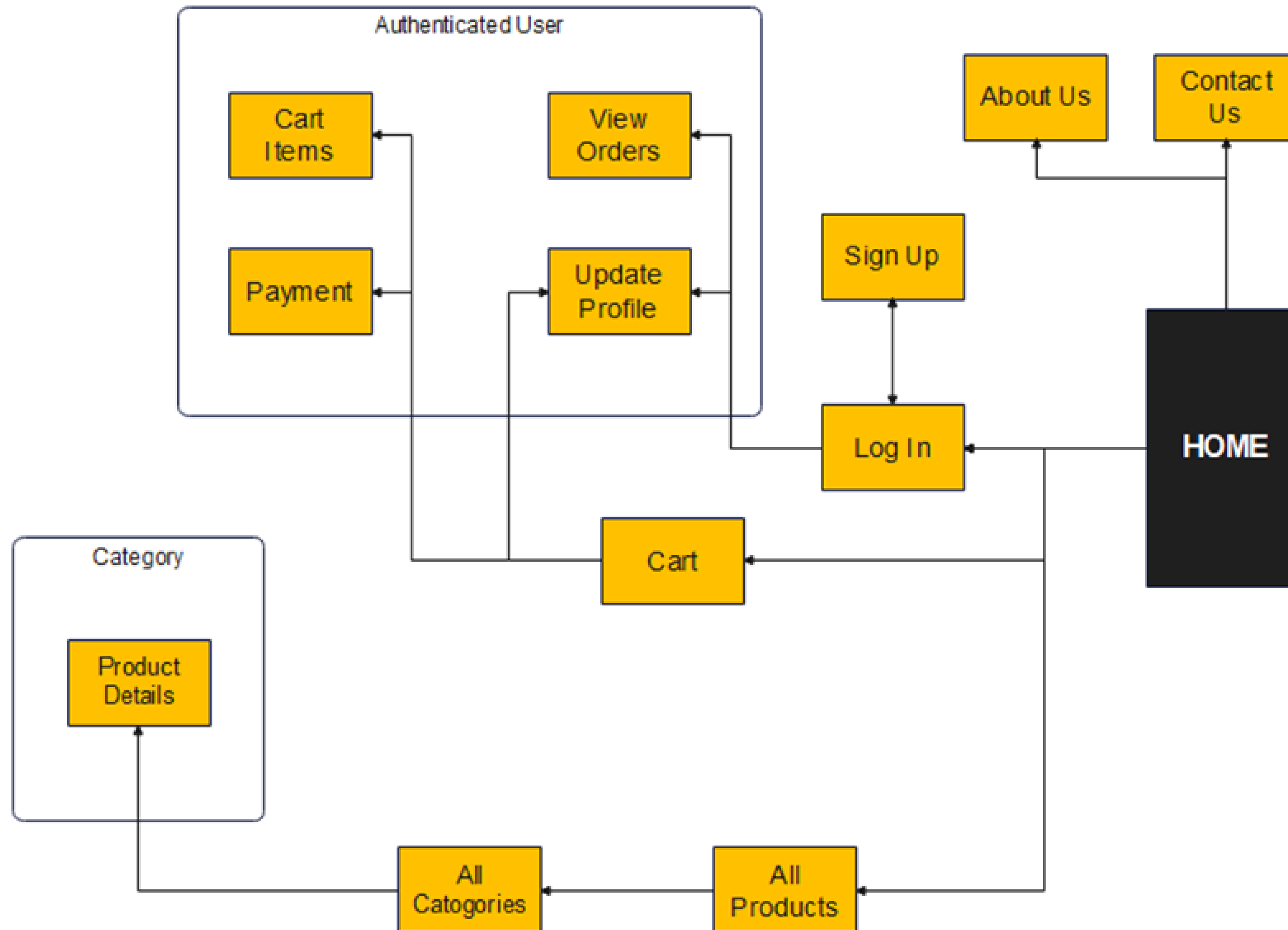
User Dashboard:



Cart Page:




- Navigation diagram:






final pages




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Home, office
and personal electronics



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Filter By Price

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☐ 100 MAD to 200 MAD

☐ 200 MAD to 300 MAD

☐ 300 MAD to 500 MAD


☐ 500 MAD or more

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Cart page


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 0

Hello user

Your Cart Is Empty

Total: MAD 0.00

Current Address

adress


[Update Address](#)

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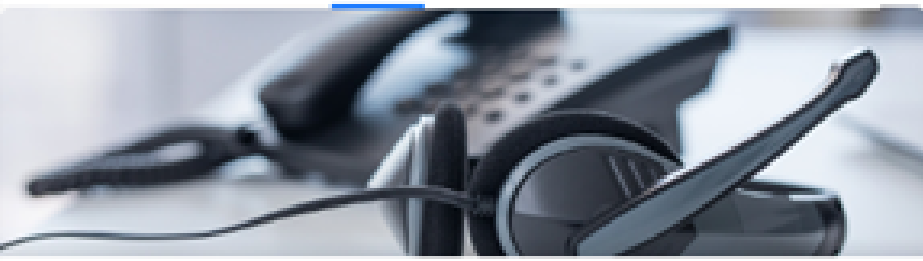
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hamid choclote


Manager


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06 61 50 50 50

fixe :


login and register pages

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* Password: 

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* Email:

* Password: 

* Phone:

* Address:

* Answer:

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Admin dashboard




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Create Category

Create Product

Products

Orders

Users

Admin Name : admin


Admin Email : admin@test.com


Admin Contact : 06hbmvyuo

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Conclusion

In summary, our internship at Hibarij s.a.r.l allowed us to acquire new skills in web development and application design while developing this e-commerce web application .