Bazzar

Requirements Document, version 1

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1. Introduction

1.1 Purpose

The purpose of this document is to give an overview of the requirements and inputs that are going to be implemented throughout our projects. It will give an insight how a user will interact with the system.

This document will provide an insight about the process of buying and selling happening between the buyer and seller.

1.2 Definitions, Acronyms, and Abbreviations

Admin(s): They are the developers of the website and maintain the site periodically for the smooth operation. They will also manage any complaints from the buyers and the sellers. They have access to buyers and seller's information, and they can add or remove them. An example of this actor's potential tasks includes adding inventory for the website owner/company. The admin can also delete a seller who gets a certain score from feedback or complaints. The admin also initiates the feedback/complaint score via their account.

Seller(s): They are the key player for this website as they are the ones list and sell their items. They have authority to manage and update their inventory. This actor's account functions include add items for sale and delete items.

Buyer(s): They are the other important player without whom there is no use of this site. They can browse items, put items in their car and buy items. They can also manage their personal account that has their detailed information for payment and shipping. Signing up as buyer has certain restrictions: must be older than 18, have a valid driver's license, and has a debit/credit card (system will check the validation).

Guest(s): Any individual who buys items without an account.

1.3 References

https://sparxsystems.com/enterprise_architect_user_guide/14.0/guidebooks/tools_ba_use_case_diagram.html

https://www.inteqna.com/blog/6-different-types-of-jobs-in-information-technology

2. System Overview

2.1 Purpose

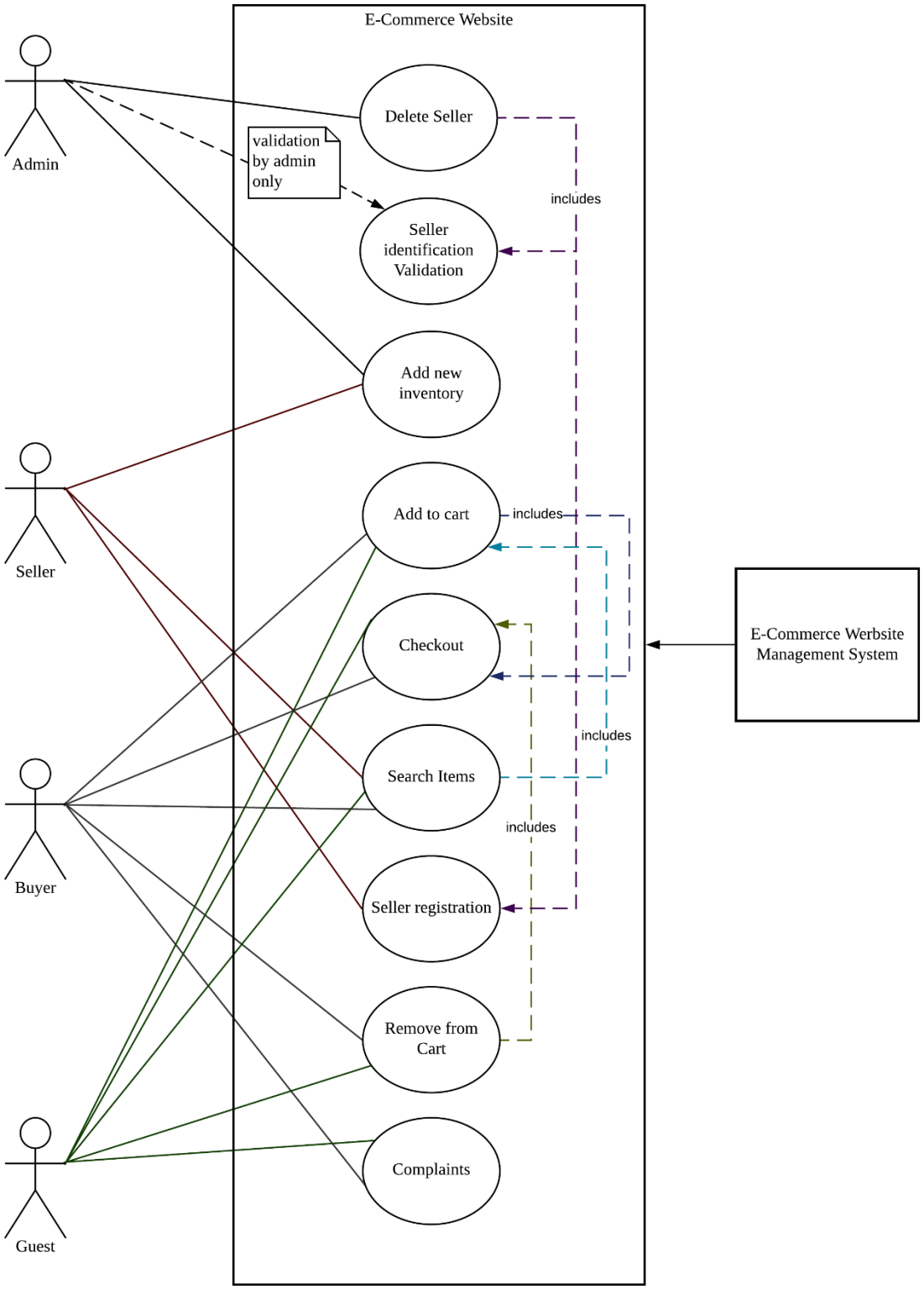
We are trying to create an online e-commerce website that allows people to buy and sell items online. There are four major users for this website: administrator, buyers, sellers and guest.

Account registration is one of the most important requirements that allows an administrator to keep the track of buying and selling activities happening in the website. There will be three types of account for registering. These types include buyer, seller, and administrator. The access or control of different features of the website depends upon the type of account registration.

Individuals with Sellers registration can search and add new items to their inventory. Seller registration holders can also track records of items sold. Whilst individuals with Buyer registration type and Guests may have similar functions, Guests do not need to register. The similar functions include search items, add items to cart, remove from cart, and checkout. Holders of Buyers registration, however, can make complaints of unsatisfactory orders.

Administrators will have the overall authority over the functionality of the website. They can delete seller, validation accounts, read complaints, and enforce Terms of Conditions. Administrators can also elect to sell as a Seller on the website and add items to be sold in the inventory.

2.2 Use Case Diagram



3. Specific Requirements

3.1 Log in (Required)

3.1.1 Description

Requirement for both the buyer and seller to initiate business. The Seller needs to create an account to list their items in the site and to sell it. Similarly, the Buyer needs to create an account to buy items. Their information will be stored in a database and compared every time they try to log in, it will be verified every time. An error message will be displayed with the suggestions concerning an incorrect username or password was entered.

3.1.2 Actors

Sellers

Administrators

Buyers

3.1.3 Steps

1. User (Buyer/Seller/Administrator) enters username.
2. User enters password and presses login button
3. Correct username and password take the user to the home screen.
4. Upon entering wrong username or password an error message will prompt suggesting either the username or password was wrong.
5. Wrong username or password prompt takes the user back to the login page.

3.2 Log Out (Required)

3.2.1 Description

This requirement is for users who have logged in and want to log out of the system.

3.2.2 Actors

Sellers

Administrators

3.2.3 Steps

1. User will logout from the system by clicking on the logout button on the top right corner of the site

3.3 Make Complaint (Low)

3.3.1 Description

This requirement allows buyers to make any complaint about the order, in case they found some dissatisfaction during their business. The system administrator would be able to see the message and take necessary actions.

3.3.2 Actors

Buyers

3.3.3 Steps

1. Upon clicking the account tab, customers will have an issue complaint option.
2. Clicking the issue complaint tab will prompt a message box, with a send button at the bottom where buyers can issue a complaint about the seller.
3. Clicking send will send a message to the administrator.

3.4 View Complaint (Low)

3.4.1 Description.

This requirement will allow administrators to look up complaint messages sent by buyers about the sellers and take necessary actions.

3.4.2 Actors

Administrators

3.4.3 Steps

1. Like customers clicking the account tab, the administrator can see a tab called complaints.
2. Clicking complaints tab will prompt the message viewing box containing the message and information about the buyer and seller.

3.5 Create account (Required)

3.5.1 Description

Creates user account. There are two types of accounts: buyer and seller.

3.5.2 Actors

Sellers

Administrators.

3.5.3 Steps

1. The user would be prompted to create a username and password in the login form.
2. While creating username, if the username matches with the other username. The system would suggest alternative usernames to the user which is valid.
3. Once the username and password are created, the user would be able to login with the credentials.

3.6 View Cart (Medium)

3.6.1. Description

Buyers can see the items they have added on to the cart. It will show the items added, quantity of items, cost of the items added per the quantity and all the items in the cart.

3.6.2 Actors

Buyers

3.6.3 Steps

1. Buyer clicks “Add to Cart” on top right of the screen.
2. The view cart option will show the items added in a sliding tab along with the quantity of items, cost of the items as per the quantity, tax rate and total cost.
3. Add item to the cart list.
4. When buyers add items to the cart list.
5. When finished, click the “Check out” button to buy the items.

3.8 Add to cart (Medium)

3.8.1 Description

If the buyer wishes to add new item in the cart. They can simply press add to cart link present below the item.

3.8.2 Actors

Buyers

3.8.3 Steps

1. Buyer clicks “Add to Cart” below the item.
2. A sliding tab along the top right of the screen will show the newly added item. The tab contains the quantity of items, cost of the items as per the quantity, tax rate, and total cost.
3. There is a “Check out” button on the tab to tally up all the aditions.

3.9 Search Items (Medium)

3.9.1 Description

A search bar will be displayed at the top of the screen if the buyer wishes to search and find items.

3.9.2 Actors

Buyer

Guest

3.9.3 Steps

1. Buyer clicks on the “search bar” in the middle of the screen and gives input.
2. The search items will have filters based on:
    i. Rating: 1 to 10
    ii. Total sale- 0 to 100plus
    iii. Cost: 3 levels of range
        a. $1 to $10
        b. $11 to $50
        c. $50 to $300
        d. $300 to above
3. When the “Search” is pressed, then a list of items with those filters applied will be displayed.

3.10 Add an Inventory Item (Required)

3.10.1 Description

This requirement will allow sellers and admin to add items for sale.

3.10.2 Actors

Seller

Administrator

3.10.3 Steps

1. This feature will be inside a dashboard. The user needs to click on the “Add an Inventory” button.
2. A new screen to add inventory will be displayed.
3. The user needs to enter the following details:
    a. Item name
    b. Brand
    c. Selling Price
    d. Free shipping: Yes/No
4. Clicking “finish adding” to confirm and the items appears on dashboard.

3.11 Reviews (Low)

3.11.1 Description
This requirement will allow buyers to provide reviews for any listed product.

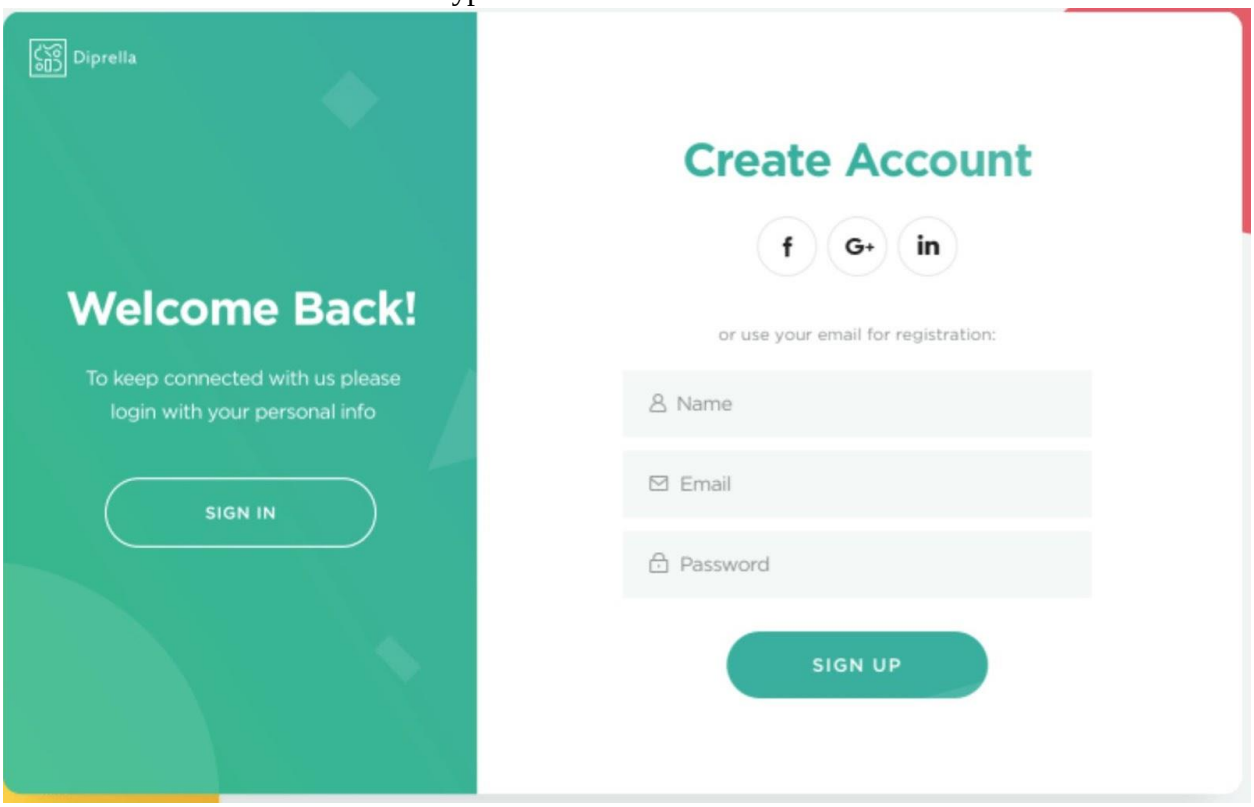
3.11.2 Actors
Buyers

3.11.3 Steps
1. This feature will be included in the webpage after on any item for sale. The user needs to click on the “Reviews” button.
2. A comment box will appear.
3. Clicking “submit” will post the review on the review section of the product.

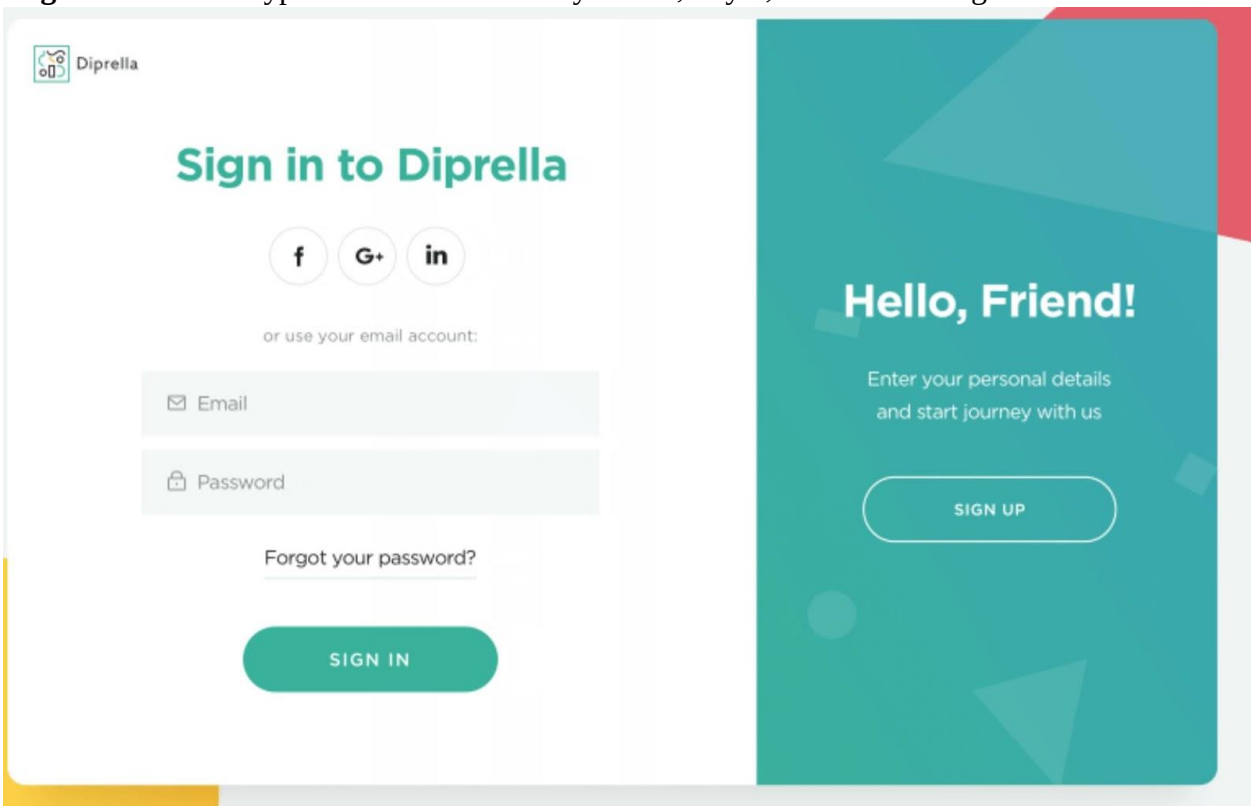
Appendix A: User Interface

A.1 Example Screen

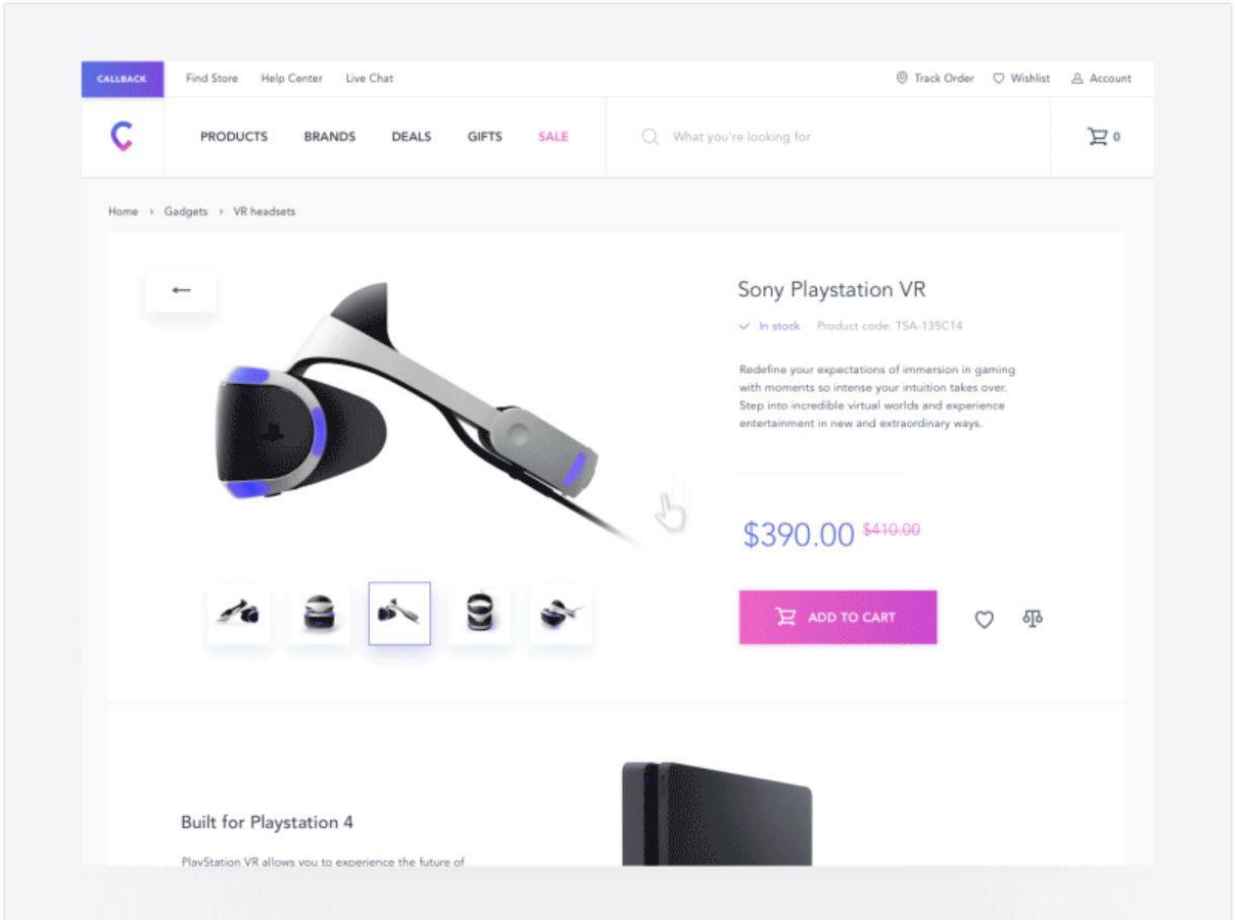
Create Account: This user interface represents the creation of buyers and seller account. The details will be added based on the type of account.



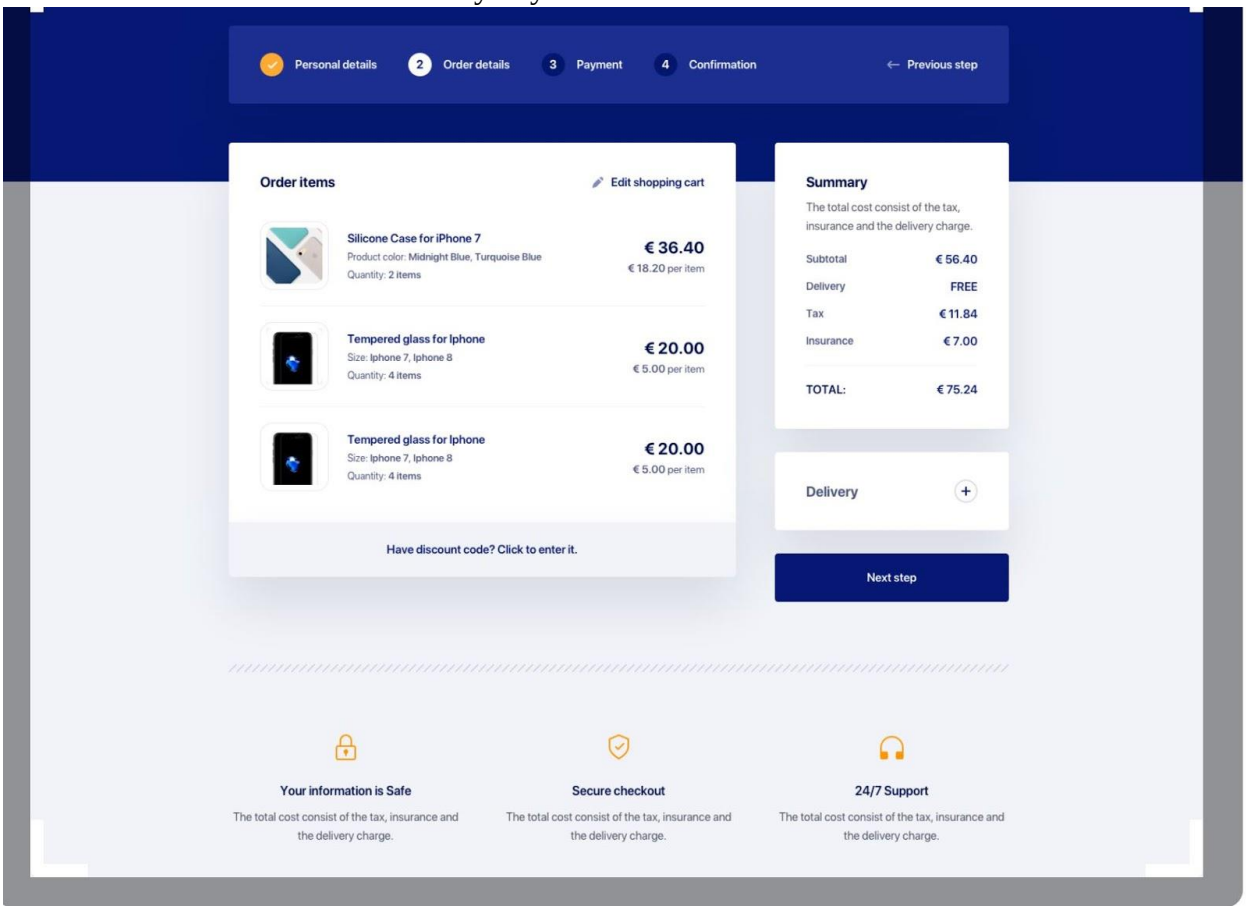
Login: The similar type of UI will be used by admin, buyer, and seller to login.



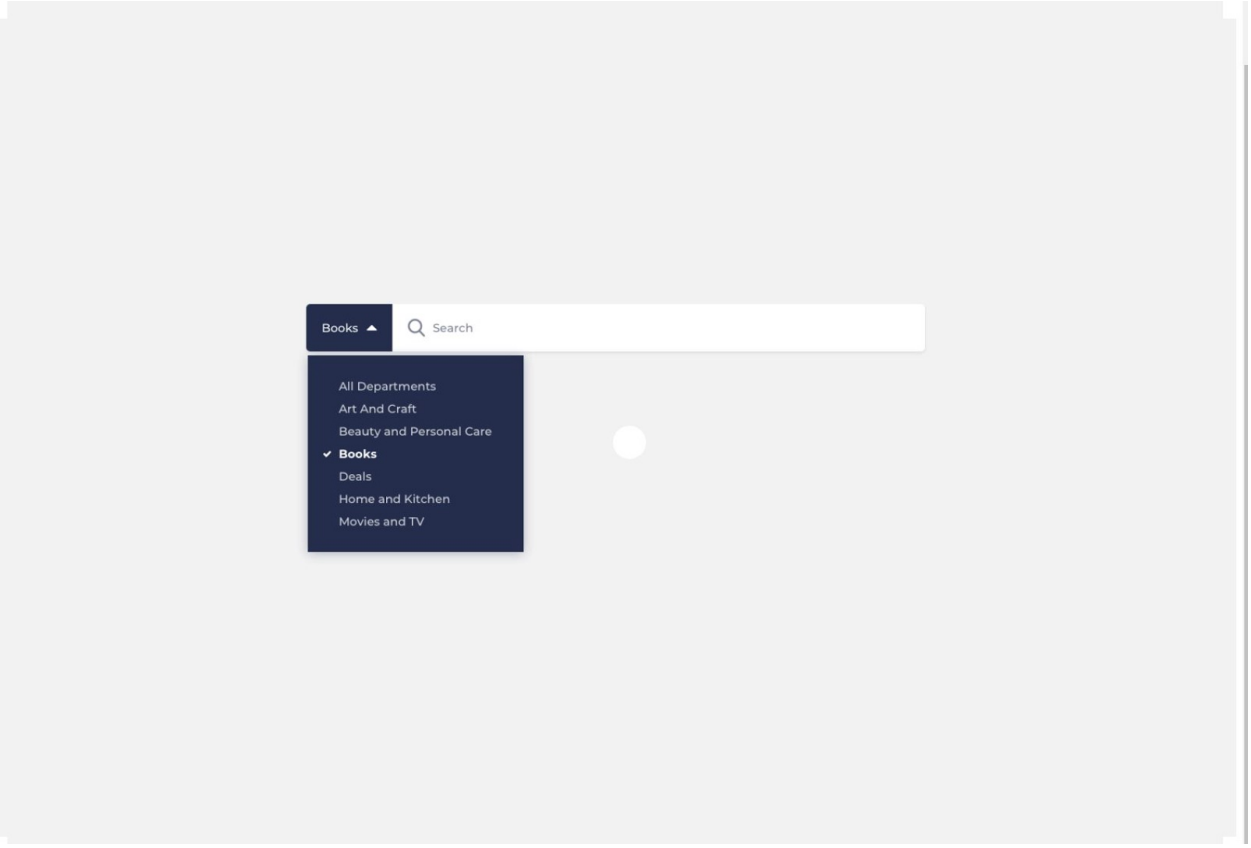
Add to Cart: Similar UI will be used by buyers to add items to their cart.



Checkout: Similar UI will be used by buyers to checkout items.



Search Items: This UI represent the search bar that will be used by buyers, sellers, and admins to search items in the website.



Appendix B: Initial Task and Role Assignments

Our group members will share all project responsibilities and duties as a team of makeshift UI Designers, Sysadmins, and Developers.

Obligations of these roles include:

- Collecting, researching, investigating and evaluating user requirements as UI/UX centered career focus
- Supporting and maintaining the server environment dedicated to the upkeep and hosting of the E-Commerce as Sysadmins.
- Designing, testing and maintaining the software programs for the E-Commerce.