Use cases

Manage user

Manage posts

Manage conversation

Login

View Marketplace

Register

Requirements covered:

|  |  |
| --- | --- |
| Use case: | Requirements: |
| Manage account | 9,18 |
| Manage posts | 2,10,20 |
| Manage conversation | 3,6,7 |
| Login | 1 |
| View Marketplace | 4,5, 20 |
| Register | 1 |

Use case diagram

Diagram

Description automatically generated

Use cases – Brief Description

**Manage user** – A user will need an account in order to access this feature. The user presses the profile icon, and he will be redirected to another page. On that page it will show all the information about the user. If the user wants to edit his profile, he presses the edit button and chooses the area he wants to change. The user can log out from his account by pressing the log out button.

**Manage posts** – A user will need an account to access most of the functions. The user presses the new post button and starts introducing all the necessary information required to create a post. Another user logs on to the website, sees the post and starts talking to the seller. The user ends up buying the product, and goes to the seller’s profile, writes a nice comment, and gives the seller a positive rating. Now the seller goes to his post marks it as SOLD or deletes the post entirely so that he won’t be contacted again for a product he sold.

**Manage conversation** – A user sees an item, decides to buy the item and messages the seller. Afterwards they have a conversation about the item, and important information about the product and price and plan to meet up. The user looks on the chat again, finds the address in the chat and goes there.

Login – A user needs an account in order to login and to have access to manage user, manage posts and manage conversations. Without an account, the user can see only the marketplace.

**View Marketplace – The user presses the marketplace button, and in another window, it will show all the listened items. The user can also filter the items by his preference.**

**Register – The user can register by pressing the create user button. He will be redirected to another page, where the system will require all the necessary information in order to create an account. When the user completes all the fields, and presses the register button, the account will be saved. The user can log in with the newly created account.**

Use Cases – Fully Dressed Description

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| Use case | Manage user |
| Summary | Use case description for managing users. |
| Actor | User |
| Precondition | The user must exist in the database. |
| Postcondition | The information about the user is stored into a database. |
| Basic Scenario | Manage User   1. User presses the login button 2. A window will be shown with the necessary information that should be completed in order to get into the account. 3. When the user is logged in, a profile button will be shown. 4. If user want to edit his profile, he/her should press the profile button. 5. A window will be shown, where the user can edit his profile. |
| Alternative Scenario |  |
| Exception | If one of the fields or more are empty, an error will be shown. |

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| Use case | Manage posts |
| Summary | Use case description for managing posts. |
| Actor | User |
| Precondition | The user must be logged in, and to have at least one post. |
| Postcondition | The details and information for the post will be saved into a database. |
| Basic Scenario | Manage Posts   1. User logins to his account. 2. User presses the marketplace button. 3. A window will be shown with all items that are for sale and their description. 4. If the user wants to sell an item, he needs to press the add post button. 5. A window will be shown, where the user can add all the necessary information about the item or edit it.   Delete Posts   1. Users can delete the post by pressing the edit button. 2. A window will appear will all the information about post, and a delete button below. 3. The user presses the delete button and the post will be deleted. |
| Alternative Scenario |  |
| Exception | If one of the fields or more are empty, an error will be shown. |

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| Use case | Manage conversation |
| Summary | The user can manage his conversation |
| Actor | User |
| Precondition | The user must be logged in his account. |
| Postcondition | The conversations are saved into a database. |
| Basic Scenario | Manage Conversation   1. Actor logins to his account. 2. The actor presses the messages button. 3. A window will be shown with all the conversations that the actor has. 4. If the actor wants to message a seller, he just presses the contact seller button below the post. 5. The user will be redirected to messages where he can write to the seller. |
| Alternative Scenario | The seller can also delete the conversation. |
| Exception |  |

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| Use case | Login |
| Summary | The user logs into the system, to have access to all features |
| Actor | User |
| Precondition | The email should be registered in the system |
| Postcondition | The user is logged into their account |
| Basic Scenario | Login   1. The actor enters data for -Email -Password 2. The actor logs in 3. The system verifies the actor’s credentials 4. The actor is logged into the system |
| Alternative Scenario | 1. If an account with the specified credentials is not registered into the system  -The actor will not be logged in  2. The email/password does not match  -The system will display an error message |
| Exception | If one of the fields or more are empty, an error will be shown. |

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| Use case | View Marketplace |
| Summary | The user views, sorts and filters the items in the marketplace as well as viewing an item’s details. |
| Actor | User |
| Precondition |  |
| Postcondition |  |
| Basic Scenario | View Marketplace   1. The system displays items from the marketplace 2. The actor selects a specific item to view its details 3. The system displays the item’s details |
| Alternative Scenario | The actor wants to filter items based on an item currency.   1. The actor selects the currency he wants for the item 2. The system will show the item with that currency   The actor wants to filter items based on an item category.   1. The actor selects the category he wants for the item 2. The system will show the item with that category   The actor wants to filter items based on a price range.   1. The actor selects the minimum and maximum price for the item 2. The system will show the item with that price range |
| Exception |  |

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| Use case | Register |
| Summary | The user register into the system as a customer |
| Actor | User |
| Precondition |  |
| Postcondition | A customer is registered in the system |
| Basic Scenario | Register   1. The actor enters data for -Firs Name -Last Name -Email Address -Password -Phone Number -Gender 2. The actor presses the register button 3. The system validates the information 4. The system registers the account |
| Alternative Scenario |  |
| Exception | If one of the fields or more are empty, an error will be shown. |