**Web Project - 14-3-2024**

* **Customer** who wants to buy items.
* **Seller** who wants to sell items.
* **Admin:** they are responsible for the platform.
* Each type of user has its own features and capabilities.
* Customer has a *name*,*surname*,*shipping address*,*username*,*password*,and *money balance*.
* Seller has a *company name*, *username*, *password* and a *bank account*
* Admin has a username and a password.
* On the main page, they can search for items. However, they cannot buy items if they are not logged in.

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The platform has the following use-cases:

o **Use Case 1: Login**

* ➢  It allows users to login to use the app using their **username** and **password**.  
  Login should be verified using the users data in ***users.json***.
* ➢  A sample list of users will be provided in ***users.json***. To keep the app simple, there is no need for the users to **register** to create an account to use the app.
* ➢  Once a user is logged in, they will be directed to the main page.

o **Use Case 2: Search available items**

* ➢  In the main page, user should be able to search available items. Once the  
  the search button is clicked, it will show only the suitable ones.
* ➢  To keep the application simple, you can create and use a json file for items,  
  i.e. *items.json*.

o **Use Case 3: Purchase an item**

**Pre-Conditions**: The user is logged in.

**Behavior**: A user can purchase an item if s/he has enough money. When the purchase button is clicked, it should direct the user to a new page to enter details about the purchase (e.g. item quantity, shipping address, etc.).

To keep the application simple, we can assume that customers can buy one or more of the same item, but not different items in the same transaction.  
**Post-Condition**: The bank accounts, purchase/sale histories are updated if purchase is successful. A message about the status of the purchase is shown to the customer.

o **Use Case 4: View the purchase history**Customers should be able to see the list of purchased items. It is up to you to decide how to store the history.

o **Use Case 5: View available items on sale and sale history**

* ➢  A seller should be able to see the list of items s/he is currently selling and  
  the items that have been already sold.
* ➢  S/he should be able to click the item and see its details. In the sale history  
  section, how many items are sold, who bought it (username), and its selling price should appear.

o **Use Case 6: Upload an item to be sold  
Pre-condition**: A seller is logged in.

**Behavior**: A seller can upload new items to be sold. The seller should define its price, available quantity, its picture and other details. If the item was already uploaded before, s/he can just update its quantity. In order to do this, the seller should first view his/her sales on item (Use Case 5)  
**Post-condition**: The item should start appearing in the search and its quantity should be updated.