1-introduction

System designed for ordering medicine. purpose of this system is to combine all previous knowledge about different medicine in a single database that allows the user to show different medicine with a description of each product and uses of this medicine, the side effect of this medicine, and date of expiry product and the data of product updated frequently and allows the user to search by name or price or purpose of medicine to find product and check availability and the app support online payment or cash on delivery and the system help user to minimize the time and resources and help user to buy the product without visiting the stores.

2-User Requirements

The system should allow users to register for an account or log in if he has one.Users should be able to search for medication using specific medicine names or categories.The system should display medication availability and pricing.The system should allow users to pay using cash or online securely.Users should be able to view their order history. Users can add medicines to their cart easily and modify the items in their cart. The system should allow users to make payments securely. Users should be able to track the status of their orders.The app should be stable and can be used by many users.

3-Functional Requirements

1 - Search for Medicines:

Description :

The application should allow users to search for medicines using keywords such as the name of the medicine, the condition it treats, or the brand name. The search function should display the matching results and allow the user to filter the results based on factors such as price, availability, and dosage.

Requirement/Input:

The user needs to provide keywords such as medicine name, condition it treats, or brand name to search for medicines.

Source:

The input will be entered by the user via the search bar in the application.

Precondition:

The user must have a stable internet connection and access to the application.

Postcondition:

The application will display the search results based on the user's input and allow the user to filter the results according to factors such as price, availability, and dosage.

Output:

The output will be a list of medicines that match the user's search criteria, along with information such as the medicine name, brand name, condition it treats, price, availability, and dosage. The user can then select the medicine they want to purchase and proceed with the order.

2: Place Order :

Description :

The application should allow users to place an order by providing their delivery address and payment information. The application should display the total cost of the order, including any taxes or shipping charges, and provide a confirmation message to the user.

Requirement/Input:

The user needs to provide their delivery address and payment information to place an order.

Source:

The user will input their delivery address and payment information via the application's interface.

Precondition:

The user must have added items to their cart and have a stable internet connection and access to the application.

Postcondition:

The order will be placed, and the user will receive a confirmation message that their order has been received.

Output:

The output will be a confirmation message displayed to the user that their order has been received, along with the total cost of the order, including any taxes or shipping charges. The application will also display the estimated delivery date and time. The user will be able to view their order history and track their order status within the application.

3-medication standards:

Description:

Each medication shall have a bulletin publication that guides the user on how to use it.

Requirement/Input:

The user needs to provide all details of added medicine such as company name, expired date, usage conditions Source.

Source:

input will be through add treatment screen which will ask for basic standards of any reliable treatment such as bulletin publication.

Precondition:

The user must have a stable reliable connection with the distribution of medications and a stable internet connection and access to the application.

Postcondition:

The application will display a validation message with newly added medicine stored in our pharmacy.

Output:

The output will be the recipe with all details of distribution such as distribution time, quantity of drug, and total cost.

4- Login:

Description:

The user can log in to the app to make an order and show all available medicine.

Requirement/Input:

The user should have existed account, and have stable network.

Source:

The user will insert an email and password.

Precondition:

the user must have a stable reliable connection and have exsist account.

Postcondition:

the user login and can show all medicine and place orders.

Output:

Users can access the home page, search and show all medicine, and place order.

5-Register

Description:

The user can make a new account to make an

order and show all available medicine.

Requirement/Input:

The user has a stable network.

Source:

The user will insert an email, password, and phone number.

Precondition:

The user must have a stable reliable connection.

Postcondition:

The user email had done successfully.

Output:

Users can access the home page, search and show all medicine, and place order. 6-Track Order Status

Description:

The system shall allow users to track the status of an order for medicine, including the current stage of processing and expected delivery date.

Requirement:

The system shall provide a way for users to view the current status of an order for medicine, including the current stage of processing and expected delivery date.

Source: User requirements

Precondition:

The user is logged into the system and has appropriate permissions to view the order status.

Postcondition:

The user has up-to-date information on the status of the order for medicine.

Output:

The system displays the current order status, including the current stage of processing and expected delivery date.

7-View and Edit Orders

Description:

The system shall allow users to view and edit existing orders for medicine.

Requirement:

The system shall provide a list of all orders for medicine and allow users to select and view or edit a specific order.

Source: User requirements

Precondition:

The user is logged into the system and has appropriate permissions to view and edit medicine orders.

Postcondition:

The order information is updated in the system and is accessible to users with appropriate permissions.

Output: The system displays a success message to the user after the order is edited.

8-Manage product Description:

The system shall allow users to manage medicine inventory, including adding new products, updating stock levels, and setting expiration dates.

Requirement:

The system shall provide a way for users to view and edit medicine inventory, add new products, and set expiration dates.

Source:

User requirements

Precondition:

The user is logged into the system and has appropriate permissions to manage medicine inventory.

Postcondition:

The medicine inventory information is updated in the system and is accessible to users with appropriate permissions.

Output:

The system displays a success message to the user after the inventory information is edited, added, or deleted.

4-Non-functional

1-Usability:

The system should be easy to use, with a simple and intuitive user interface.

2-Performance:

The system should be able to handle a large number of concurrent users and process orders quickly.

3-Availability:

The system should be available 24/7 and have minimal downtime for maintenance or upgrades.

4-Security:

The system should have user authentication and access control to protect sensitive information.

The system should be able to store and transmit data securely.

The system should have a backup and recovery plan in case of data loss or system failure.

5-privacy the system should be safe privacy by that each user did not know what other

users buy.

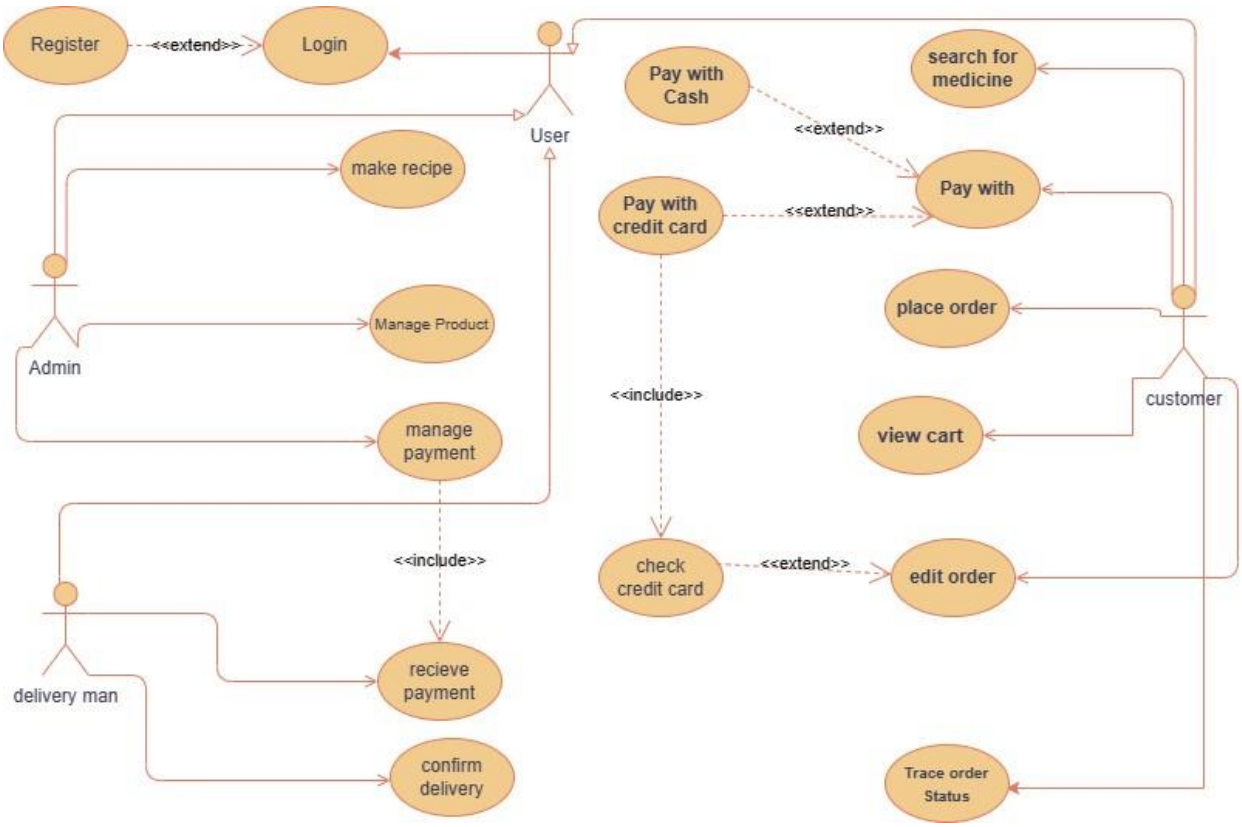
6-stability: the system should be stable by that many users use it at the

same time.

7- Reliability:

The application should be highly reliable and available at all times. The application should have minimal downtime and should be able to recover from any failures quickly. The application should have a disaster recovery plan in place to ensure that user data and information is protected in the event of a system failure. The application should also have a backup and restore mechanism in place to ensure that user data can be recovered in case of data loss.

Use case diagram



ManageProduct