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[This assignment is made with my team partner - Jay Hansraj Khania(21BCE1394)]

EXPERIMENT- 7

TITLE- State Transition Diagram

AIM:

Creating a State Transition Diagram for our Project “Online Medicine Delivery App (MediNet)”**.**

DESCRIPTION:

Interaction Diagram:

A state transition diagram, also known as a state machine diagram or state chart diagram, represents the various states and transitions of a system. In the case of a online medicine delivery app system, the user interaction can be defined as follows:

User Interaction:

In a state transition diagram for an online medicine delivery app, the user's interaction plays a crucial role in navigating through different states and triggering state transitions. Here's an example of how user interaction can be represented in such a diagram:

1. Initial State: User is not logged in.
   - Users can transition to the "Login" state by providing valid credentials.

2. Login State: User is logged in.
   - Users can transition to the "Browse Medicines" state to search for available medicines.
   - Users can transition to the "View Cart" state to view and manage their shopping cart.
   - Users can transition to the "Order History" state to view their past orders.
   - Users can transition to the "Logout" state to log out of the application.

3. Browse Medicines State: User is viewing the available medicines.
   - Users can transition to the "View Medicine Details" state by selecting a specific medicine.

- Users can transition to the "Add to Cart" state by adding a medicine to their shopping cart.
- Users can transition back to the "Login" state to log out.

4. View Medicine Details State: User is viewing the details of a specific medicine.
- Users can transition back to the "Browse Medicines" state to continue browsing.

5. View Cart State: User is viewing and managing their shopping cart.
- Users can transition to the "Update Cart" state to modify the quantities or remove items from the cart.
- Users can transition to the "Checkout" state to proceed with the order.
- Users can transition back to the "Login" state to log out.

6. Update Cart State: User is updating their shopping cart.
- Users can transition back to the "View Cart" state to review the updated cart.

7. Checkout State: User is ready to place the order.
- Users can transition to the "Confirm Order" state to proceed with the payment process.
- Users can transition back to the "View Cart" state to review the order before proceeding.

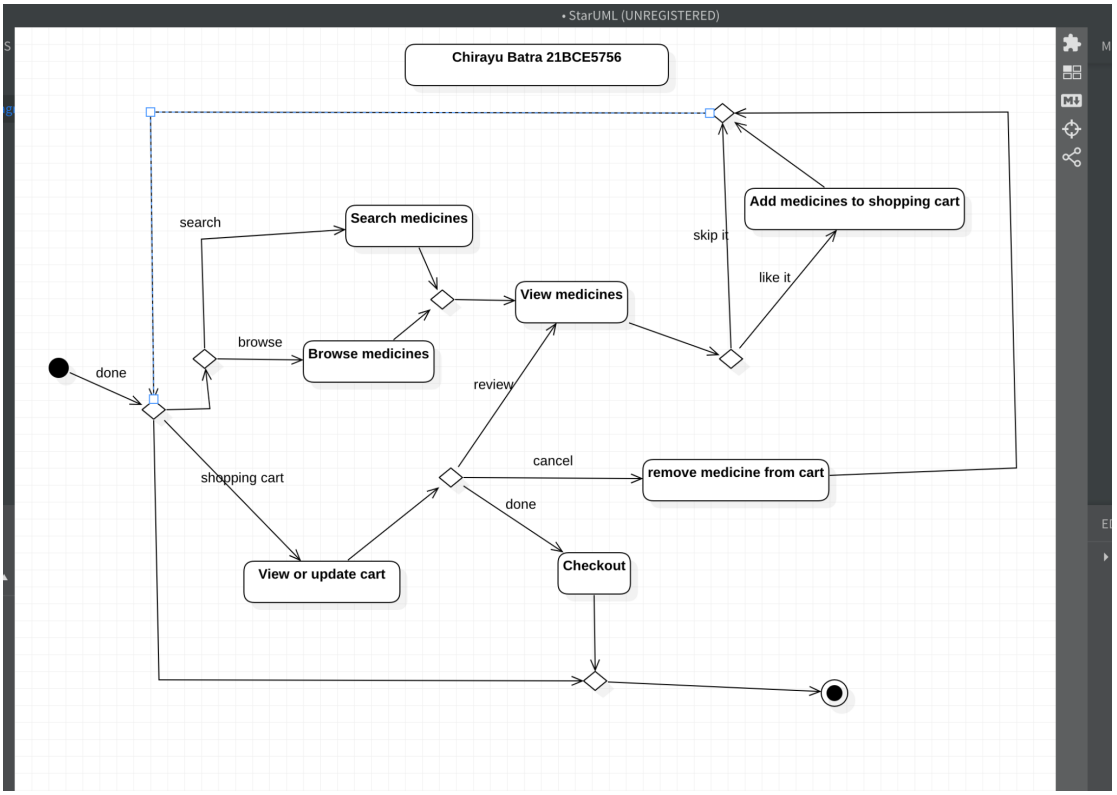
8. Confirm Order State: User is confirming the order and making the payment.
- Users can transition to the "Order Confirmation" state after successful payment.
- Users can transition back to the "View Cart" state to cancel the order.

9. Order Confirmation State: User receives confirmation of the successful order.
- Users can transition to the "Order History" state to view their updated order history.

10. Logout State: User is logged out of the application.
- Users can transition back to the "Login" state to log in again.

OUTPUT:

State Transition Diagram



RESULT:

The State Transition of Online Medicine Delivery App- MediNet represents the various states and transitions of our application.