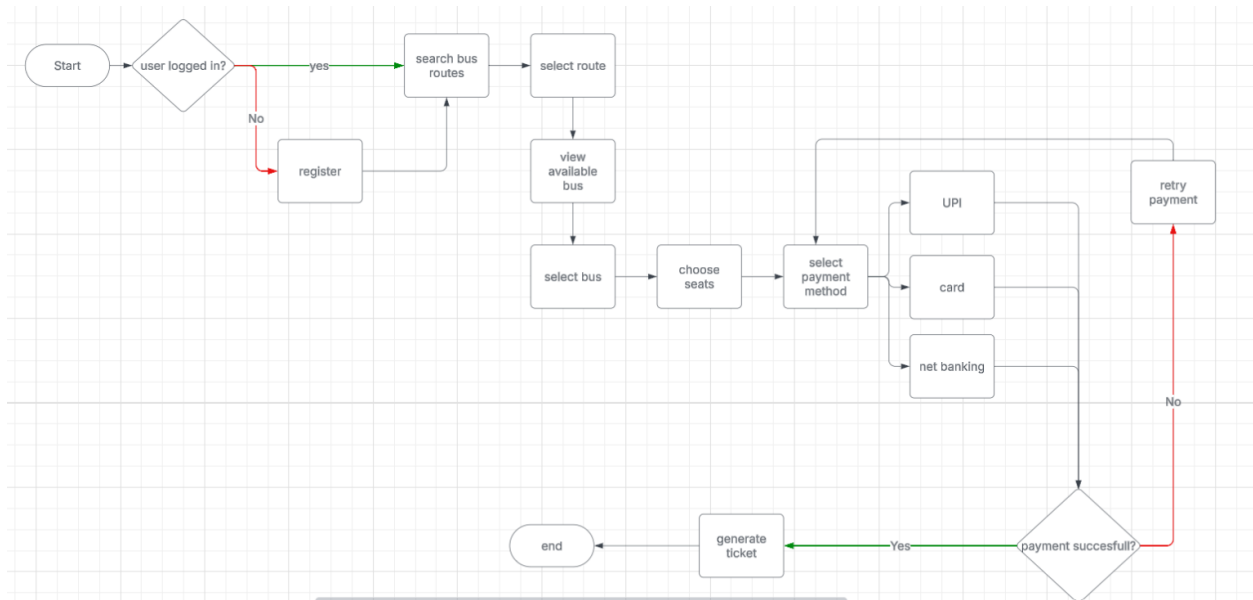# Roll no: 230701233

Bus ticket booking application:

Task analysis:

Pre-Booking Authentication

1. User Authentication Check
   a. If user is NOT logged in:
      i. Navigate to registration process
      ii. Complete user registration
   b. If user is logged in:
      i. Proceed directly to route search

Route Selection

2. Bus Route Search
   a. Search for available bus routes
   b. View list of available buses
   c. Select specific bus route of interest

Seat and Travel Preparation

3. Seat Selection
    a. View available seats on chosen bus
    b. Choose desired seat(s)

Payment Process

4. Payment Method Selection
    a. Choose payment method:
        i.   UPI
        ii. Credit/Debit Card
        iii. Net Banking
    b. Attempt payment transaction
    c. If payment fails:
        i.   Option to retry payment
    d. If payment succeeds:
        i.   Proceed to ticket generation

Ticket Issuance

5. Ticket Generation
    a. Generate and issue ticket upon successful payment
    b. End of booking process

Key Decision Points

- User Authentication Status
- Route Selection
- Seat Choice
- Payment Method
- Payment Success/Failure

Potential User Experience Considerations

- Ease of navigation between steps
- Clear error handling for failed payments
- Intuitive interface for route and seat selection