ENSF 619 - Group 8 - Ticket Reservation App

Design Phase Report

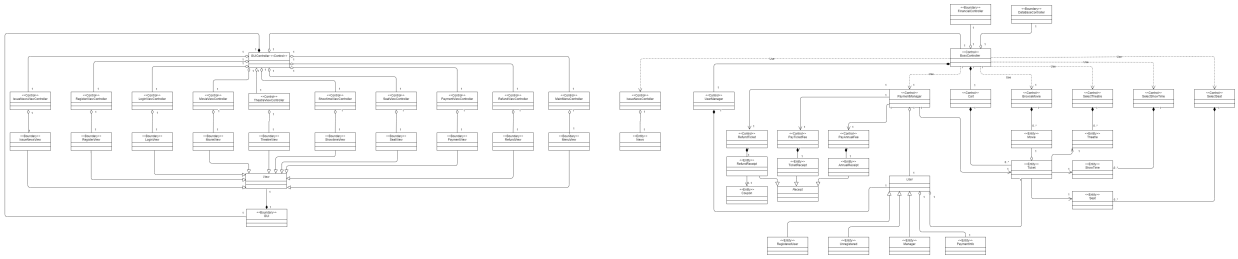
Submitted on: November 22, 2020

Submitted by: Victor Tuah Kumi, Patrick Kwan, Oluwapelumi Laditan, Michael Lasby

Use Case Diagram

Scenarios and Candidate Objects (see next Page)

Conceptual Class Design Diagram



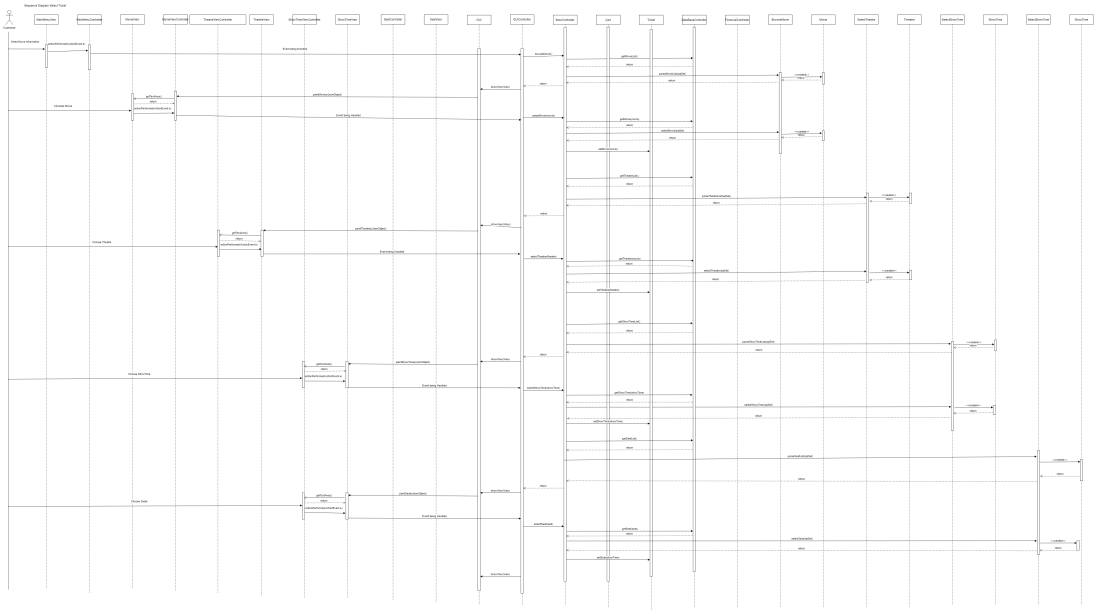
Detailed Class Design Diagram

Sequence Diagrams

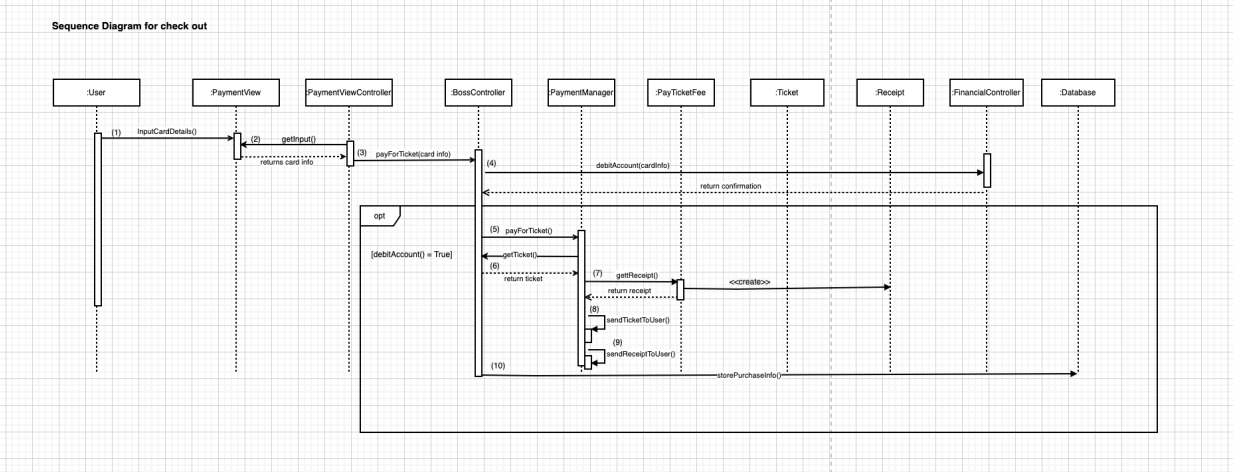
Use Case: Refund Ticket - By: Victor Tuah Kumi

Refund Ticket Use Case

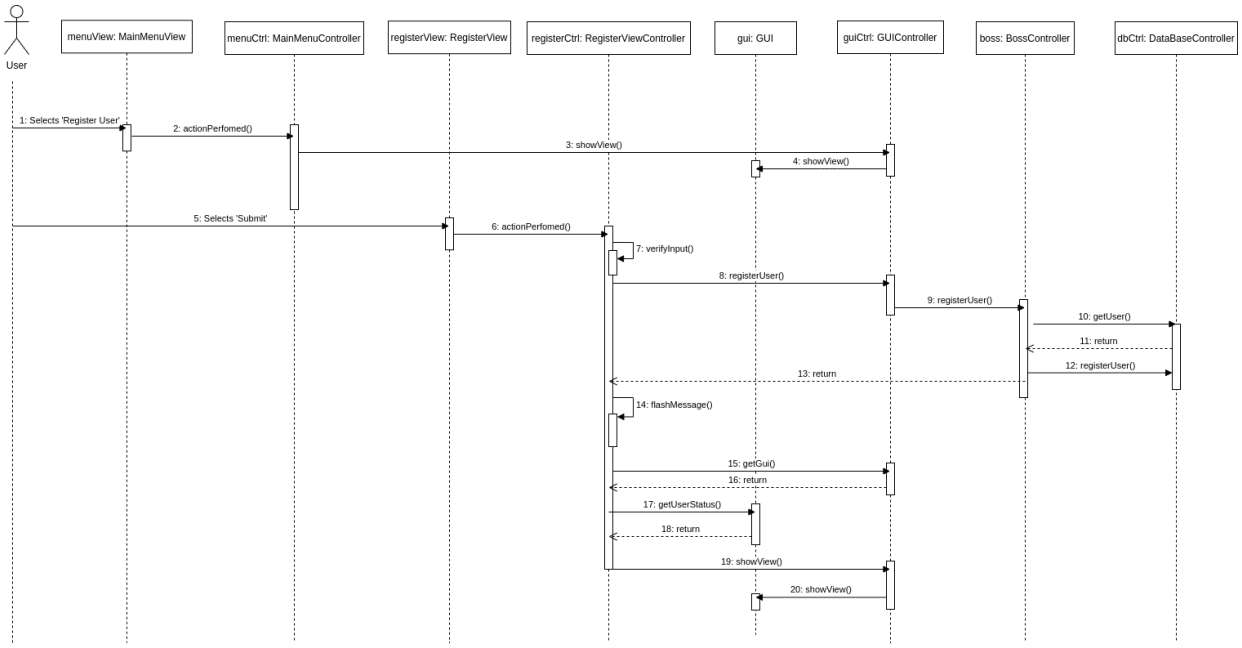
Use Case: Select Ticket - By: Patrick Kwan



Use Case: Checkout - By: Oluwapelumi Laditan

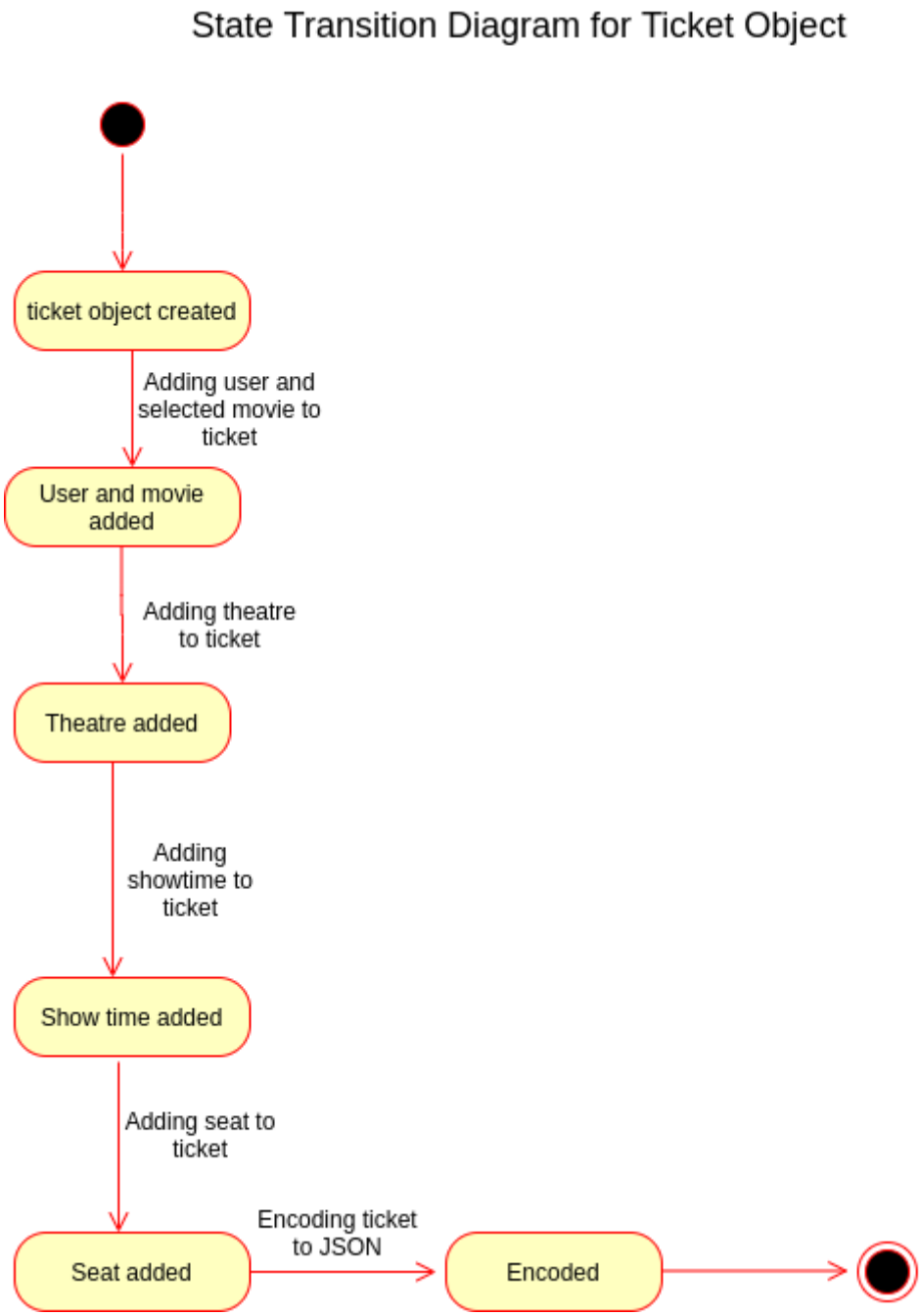


Use Case: Register User - By: Michael Lasby

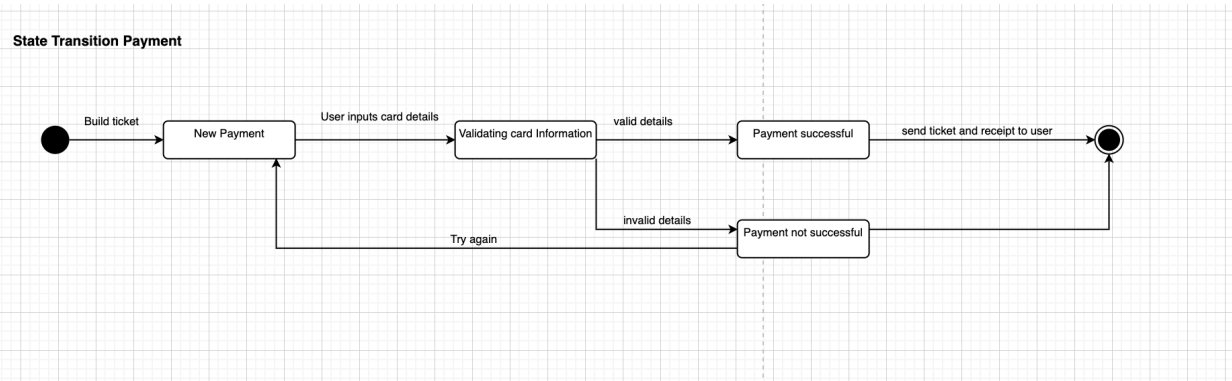


State Transition Diagrams

Ticket

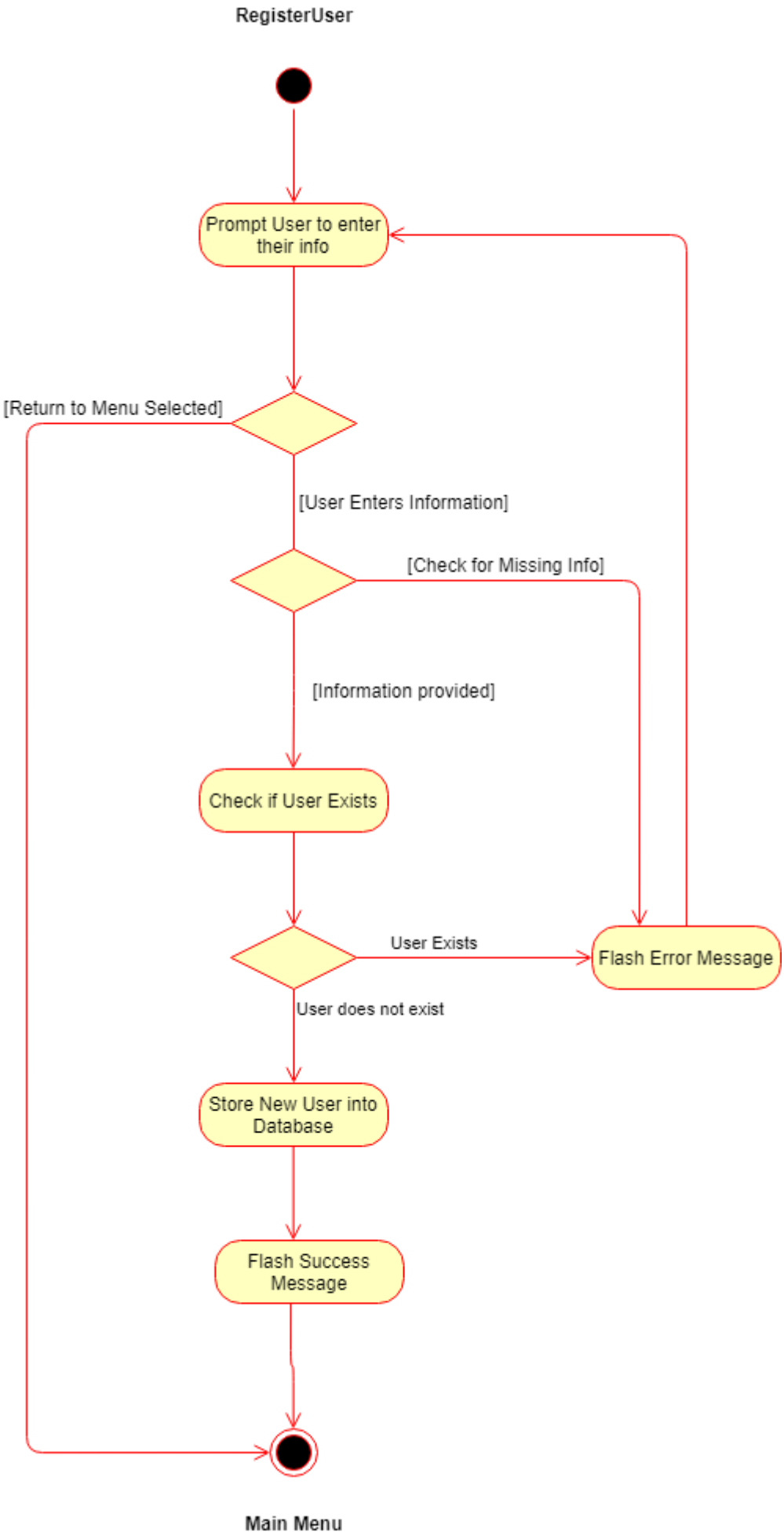


Payment

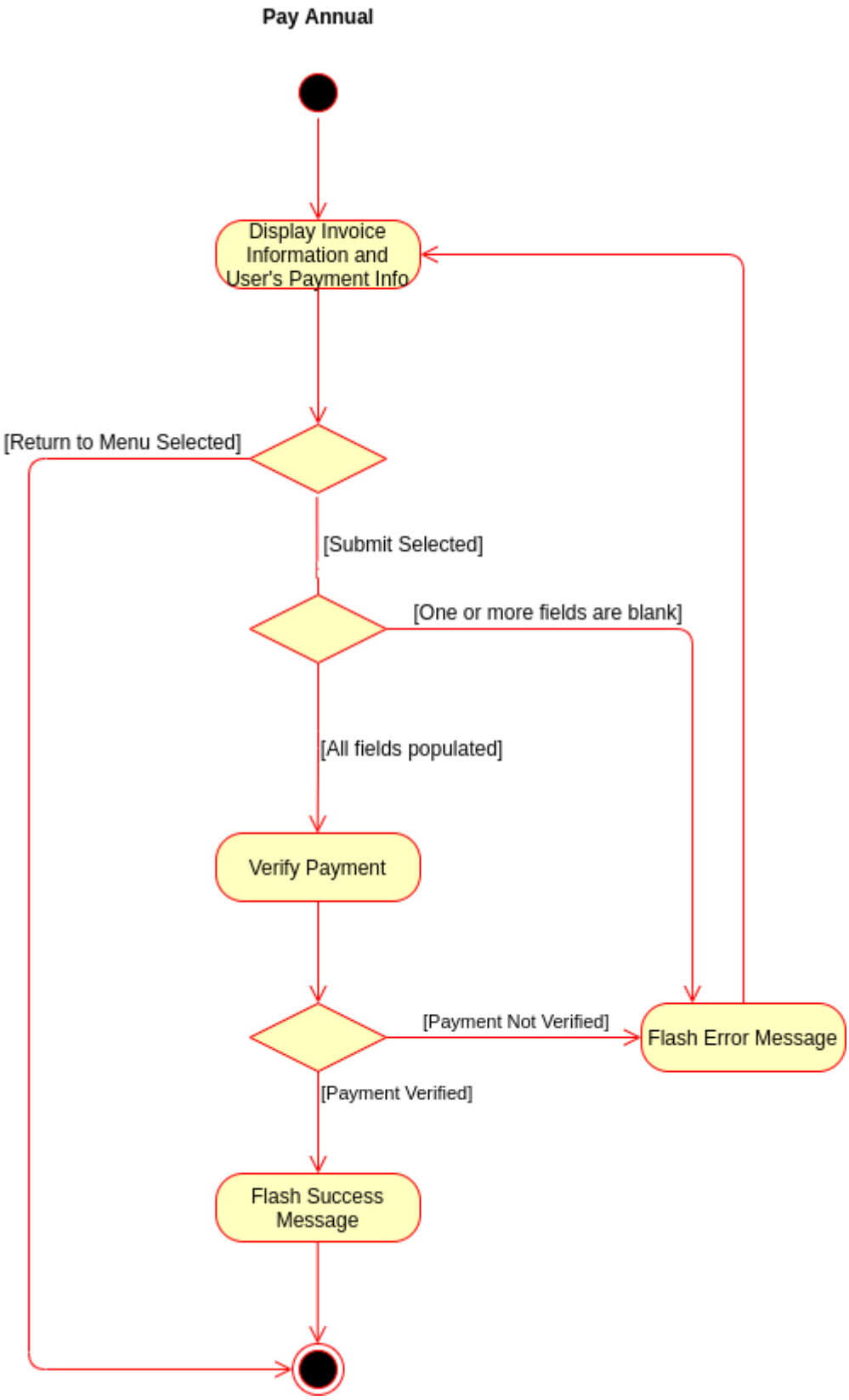


Activity Diagrams

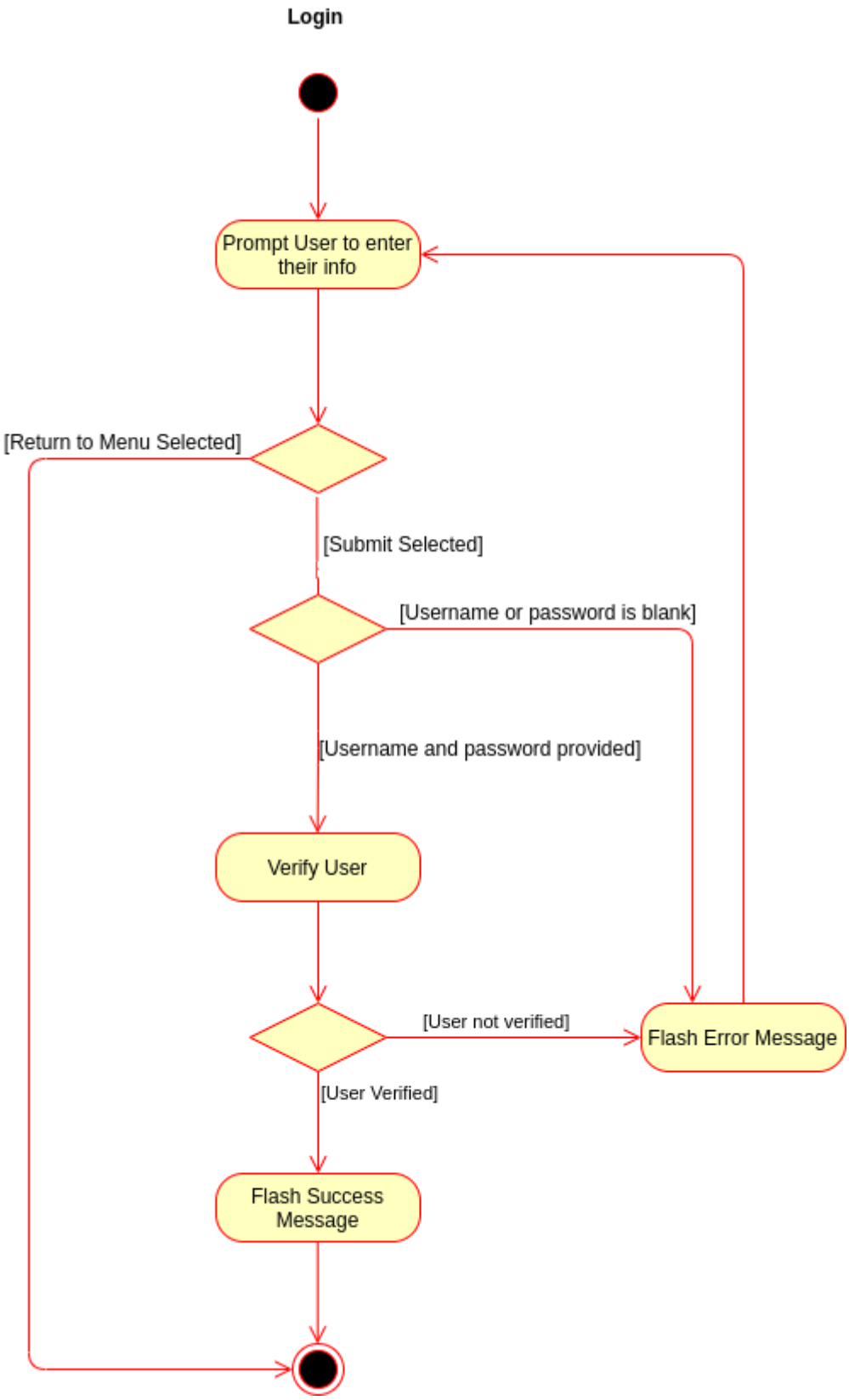
Register Account


RegisterUser
Prompt User to enter their info
[Return to Menu Selected]
[User Enters Information]
[Check for Missing Info]
[Information provided]
Check if User Exists
User Exists
Flash Error Message
User does not exist
Store New User into Database
Flash Success Message
Main Menu

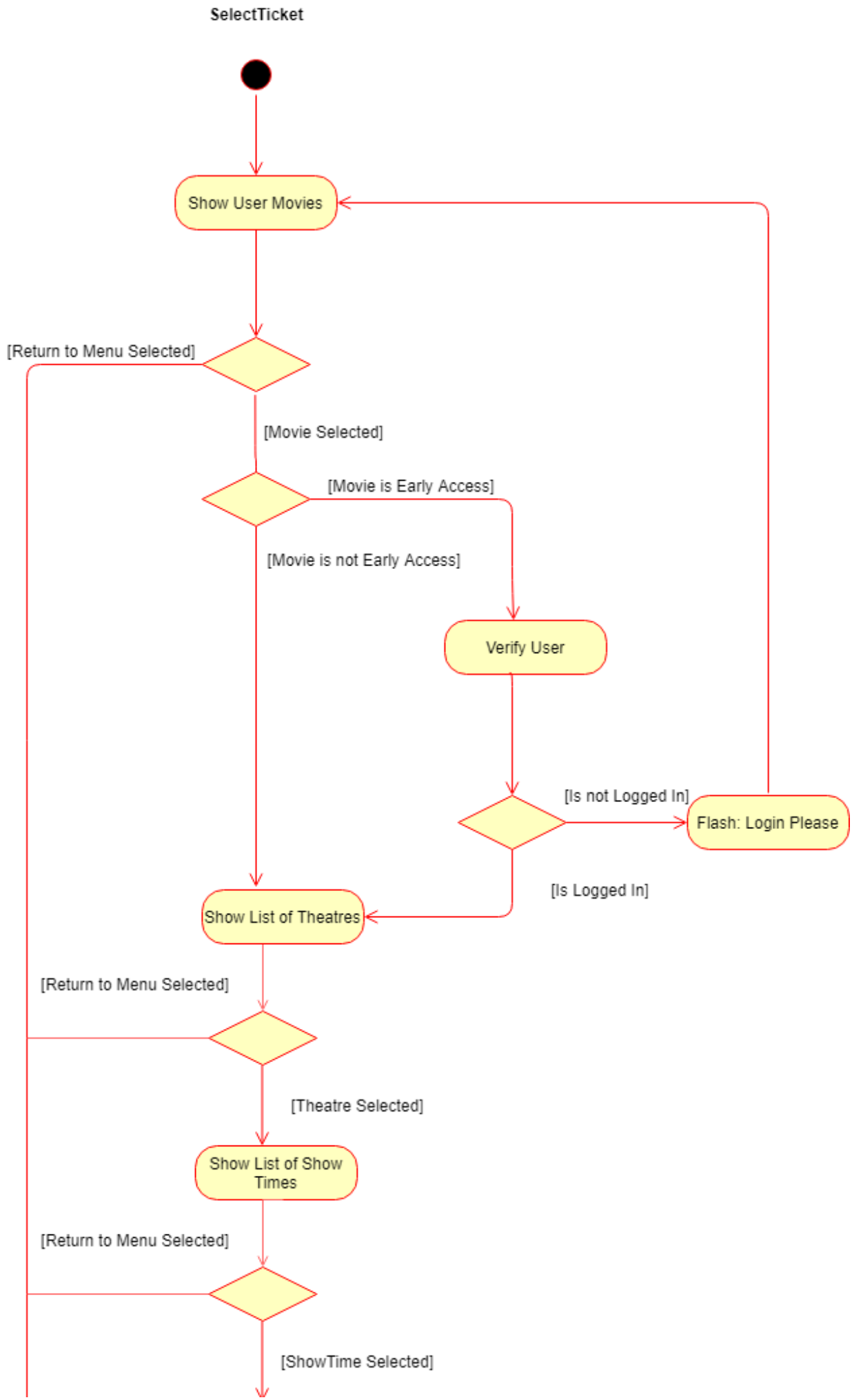
Pay Annual

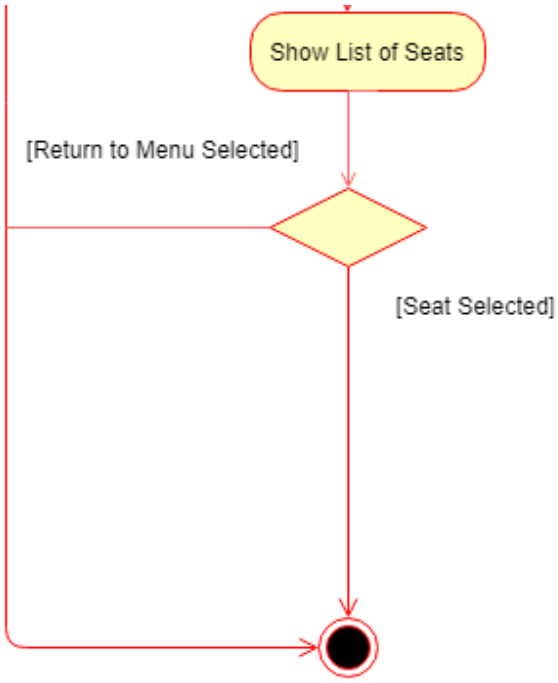

Pay Annual
Display Invoice Information and User's Payment Info
[Return to Menu Selected]
[Submit Selected]
[One or more fields are blank]
[All fields populated]
Verify Payment
[Payment Not Verified]
Flash Error Message
[Payment Verified]
Flash Success Message

Login


Login
Prompt User to enter their info
[Return to Menu Selected]
[Submit Selected]
[Username or password is blank]
[Username and password provided]
Verify User
[User not verified]
Flash Error Message
[User Verified]
Flash Success Message

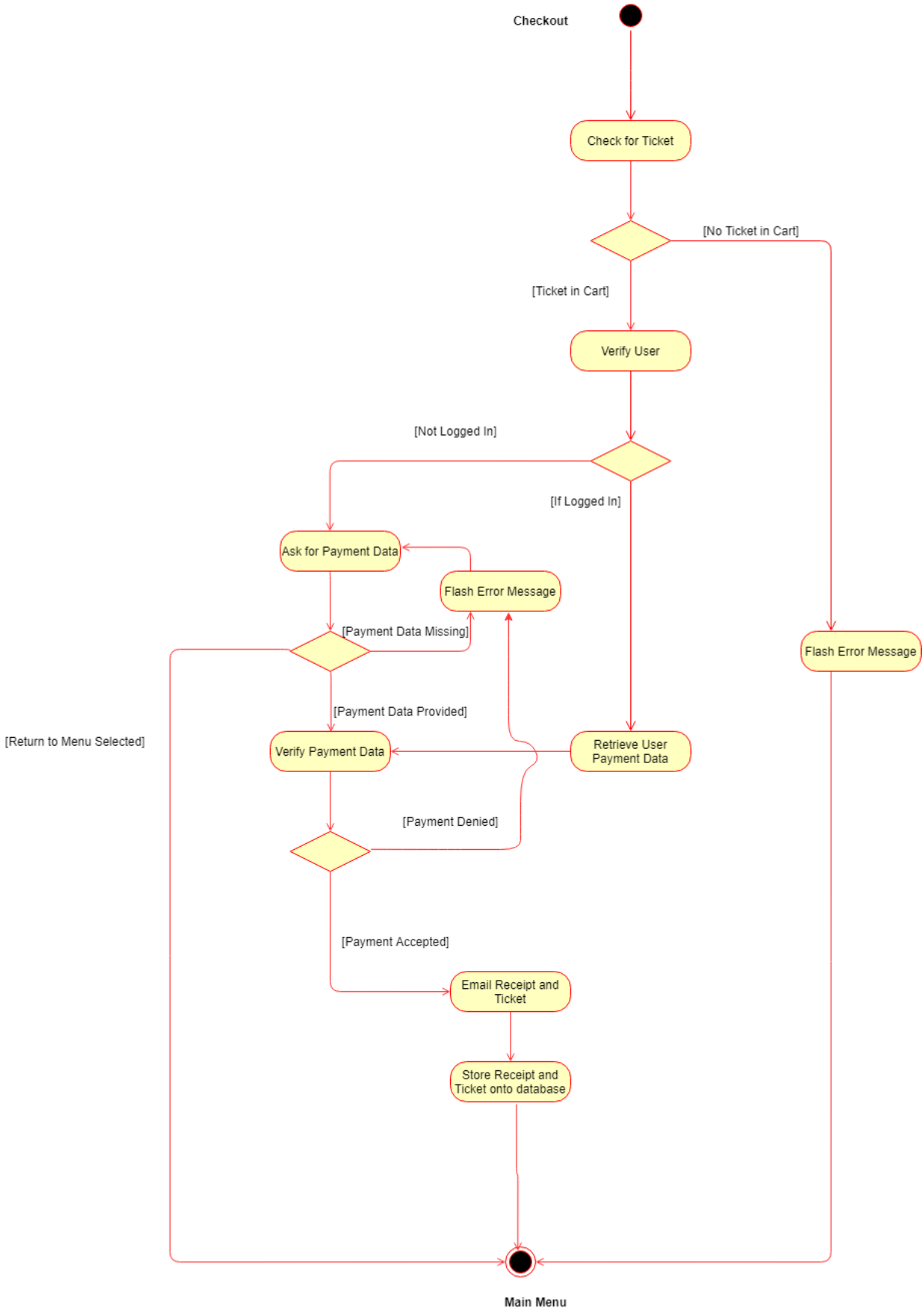
Select Ticket



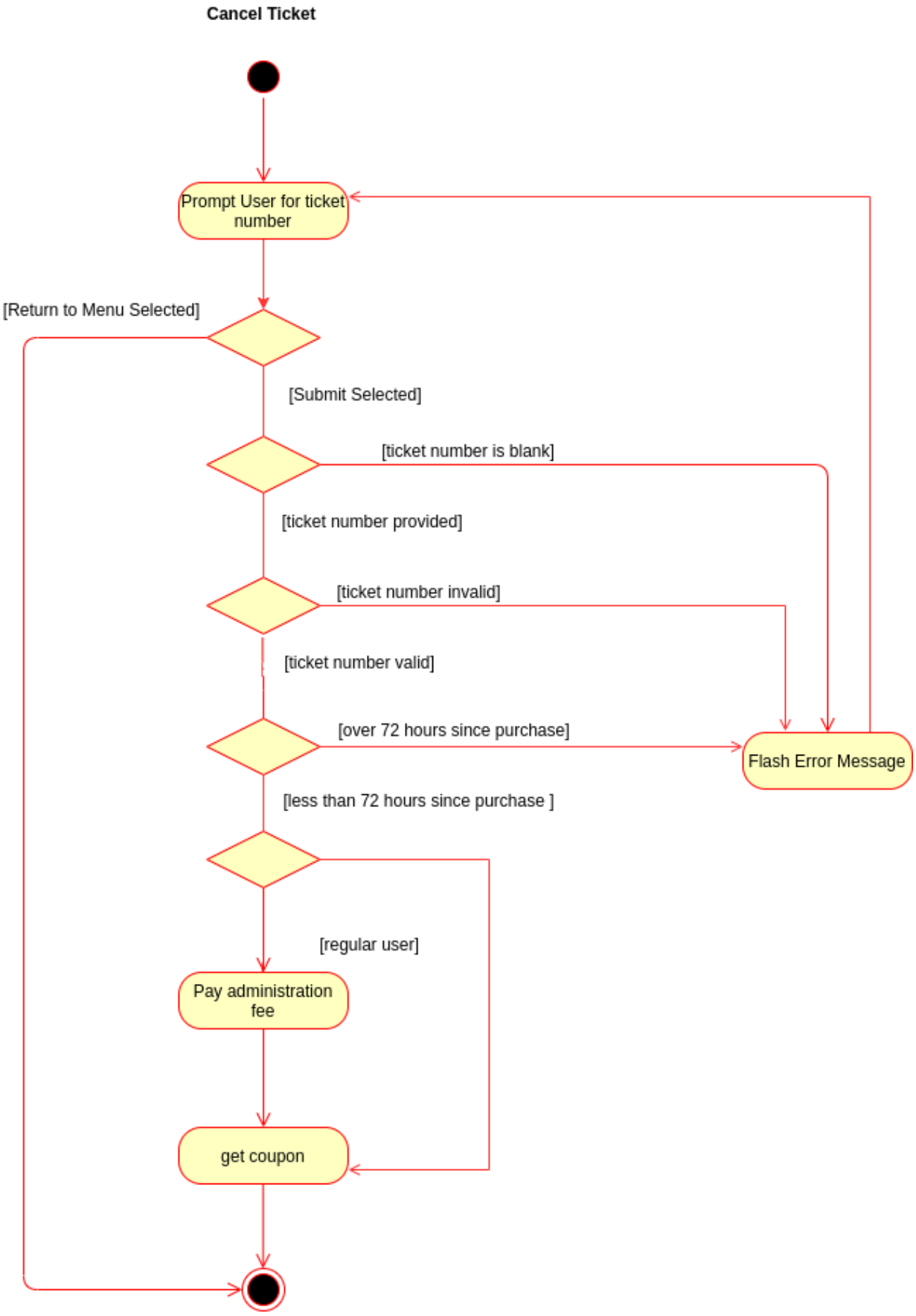


Main Menu

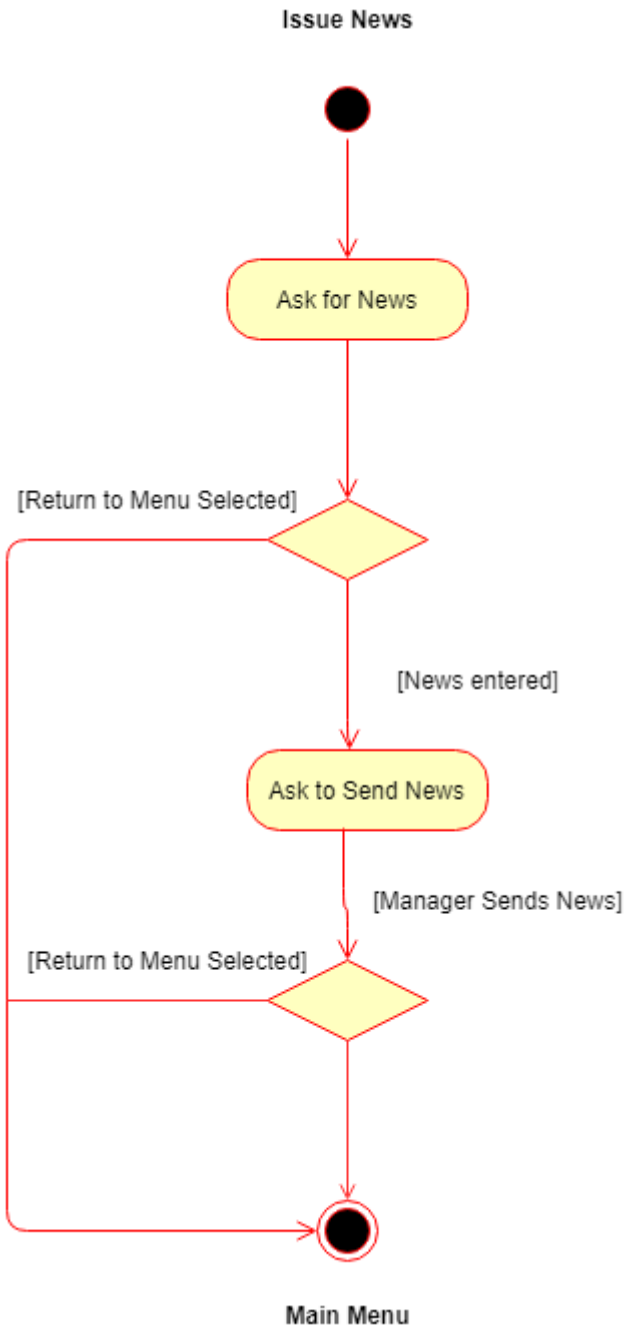
Checkout


Checkout
Check for Ticket
[No Ticket in Cart]
[Ticket in Cart]
Verify User
[Not Logged In]
[If Logged In]
Ask for Payment Data
Flash Error Message
[Payment Data Missing]
Flash Error Message
[Payment Data Provided]
[Return to Menu Selected]
Verify Payment Data
Retrieve User Payment Data
[Payment Denied]
[Payment Accepted]
Email Receipt and Ticket
Store Receipt and Ticket onto database
Main Menu

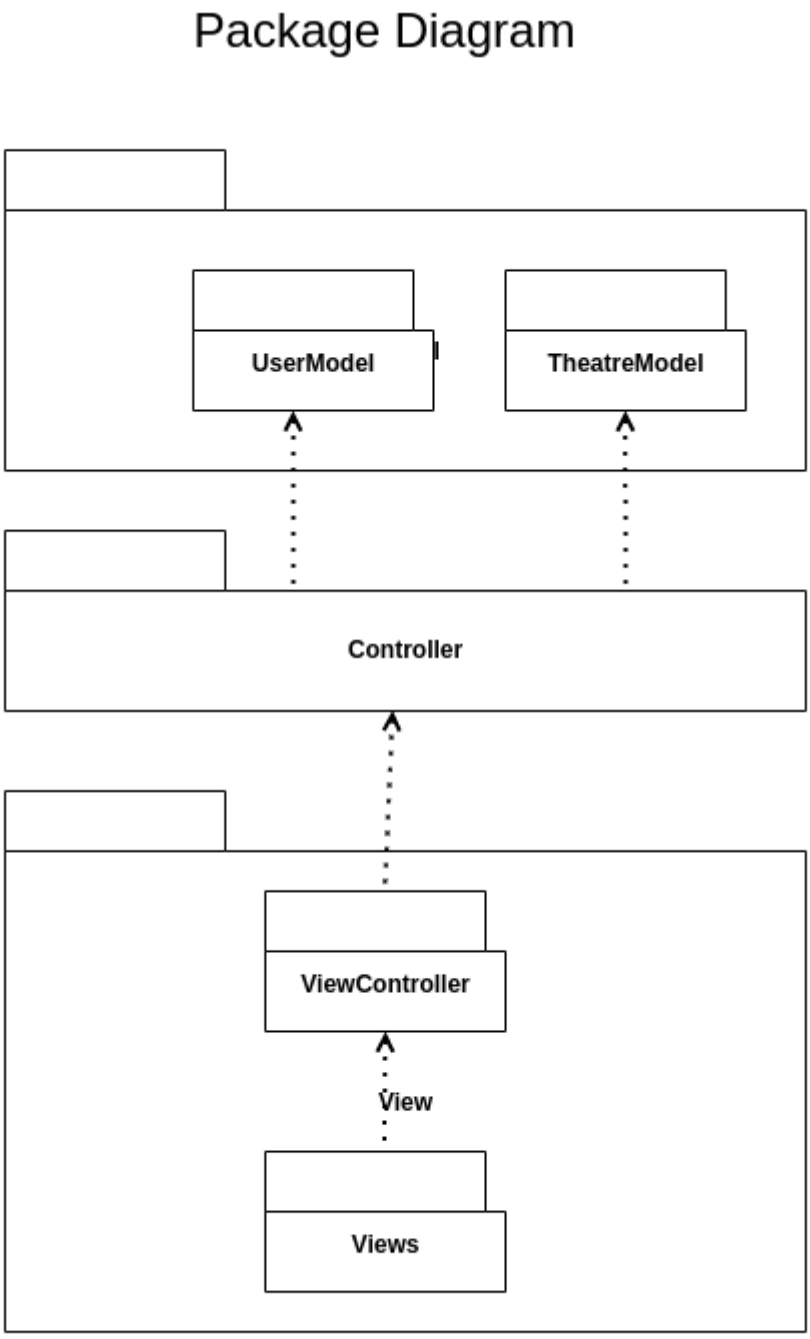
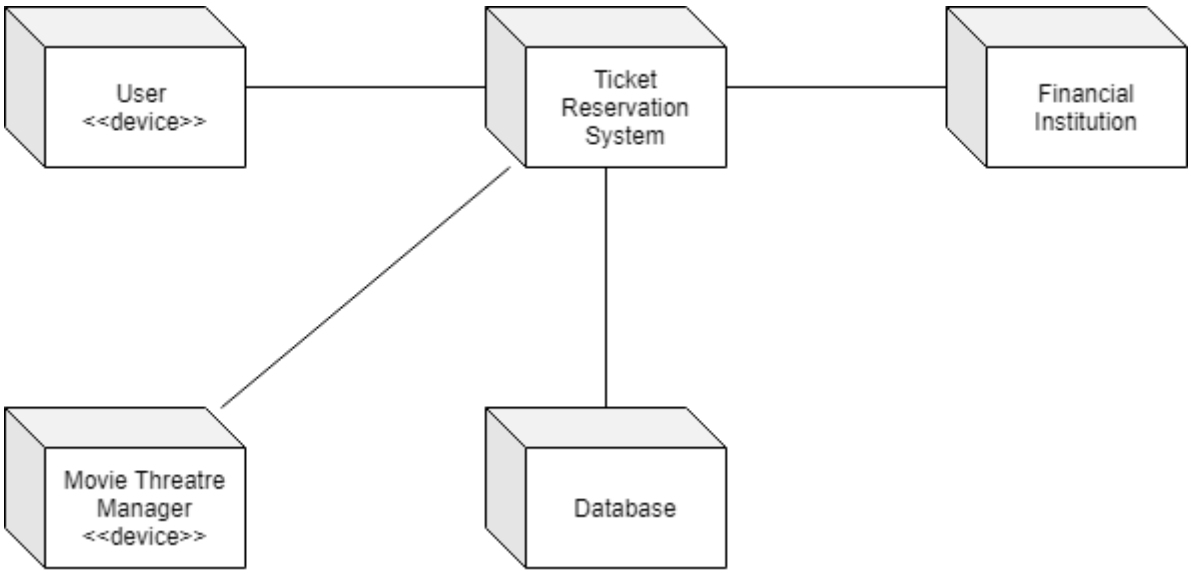
Refund Ticket



Issue Movie News



Package Diagram



Deployment Diagram