ENSF 619 - Group 8 - Ticket Reservation App

Design Phase Report

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README:

Please note that some of these diagrams are best viewed as image / pdf files. These diagrams are included in the enclosed `./lib/` folder and file path names are included below.

Use Case Diagram

See `./lib/UseCaseDiagram/UseCaseDiagram.png`

User Case Diagram
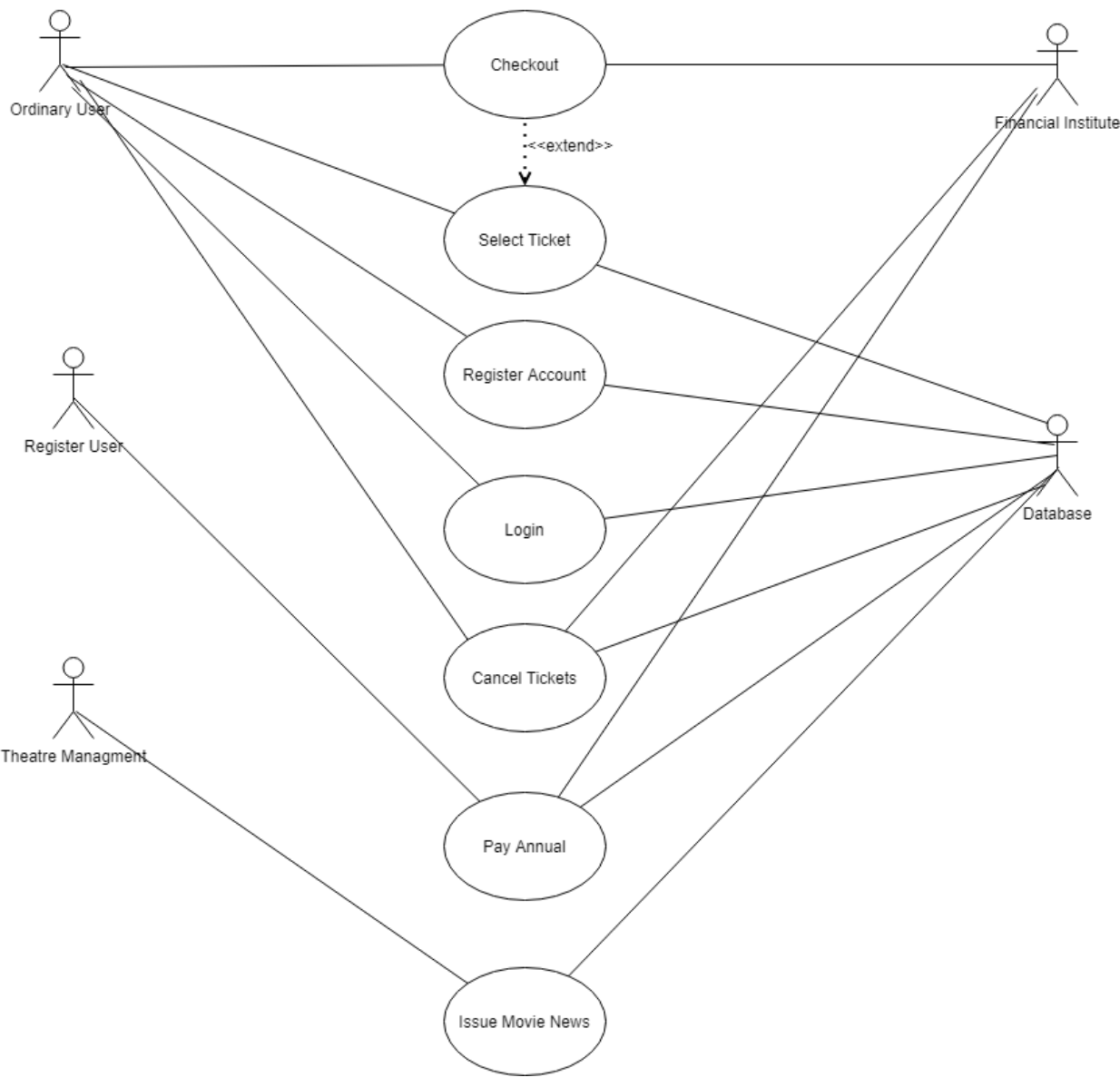
Scenarios and Candidate Objects (see next page)

Conceptual Class Design Diagram (see next page)

See `./lib/ConceptualUML/ConceptualUML.png` or `/lib/ConceptualUML/ConceptualUML.pdf`

Detailed Class Design Diagram (see next 3 pages)

See `./lib/DetailedUML/DetailedUML.pdf`. `.png` files also available in the same folder.

Sequence Diagrams (see next 4 pages)

Use Case: Refund Ticket - By: Victor Tuah Kumi

See `./lib/SequenceDiagrams/KumiRefundTicketSequenceDiagram.pdf`

Use Case: Select Ticket - By: Patrick Kwan

See `./lib/SequenceDiagrams/KwanSelectTicketSeqeunceDiagram.pdf`

Use Case: Checkout - By: Oluwapelumi Laditan

See `./lib/SequenceDiagrams/LaditanCheckoutSequenceDiagram.pdf`
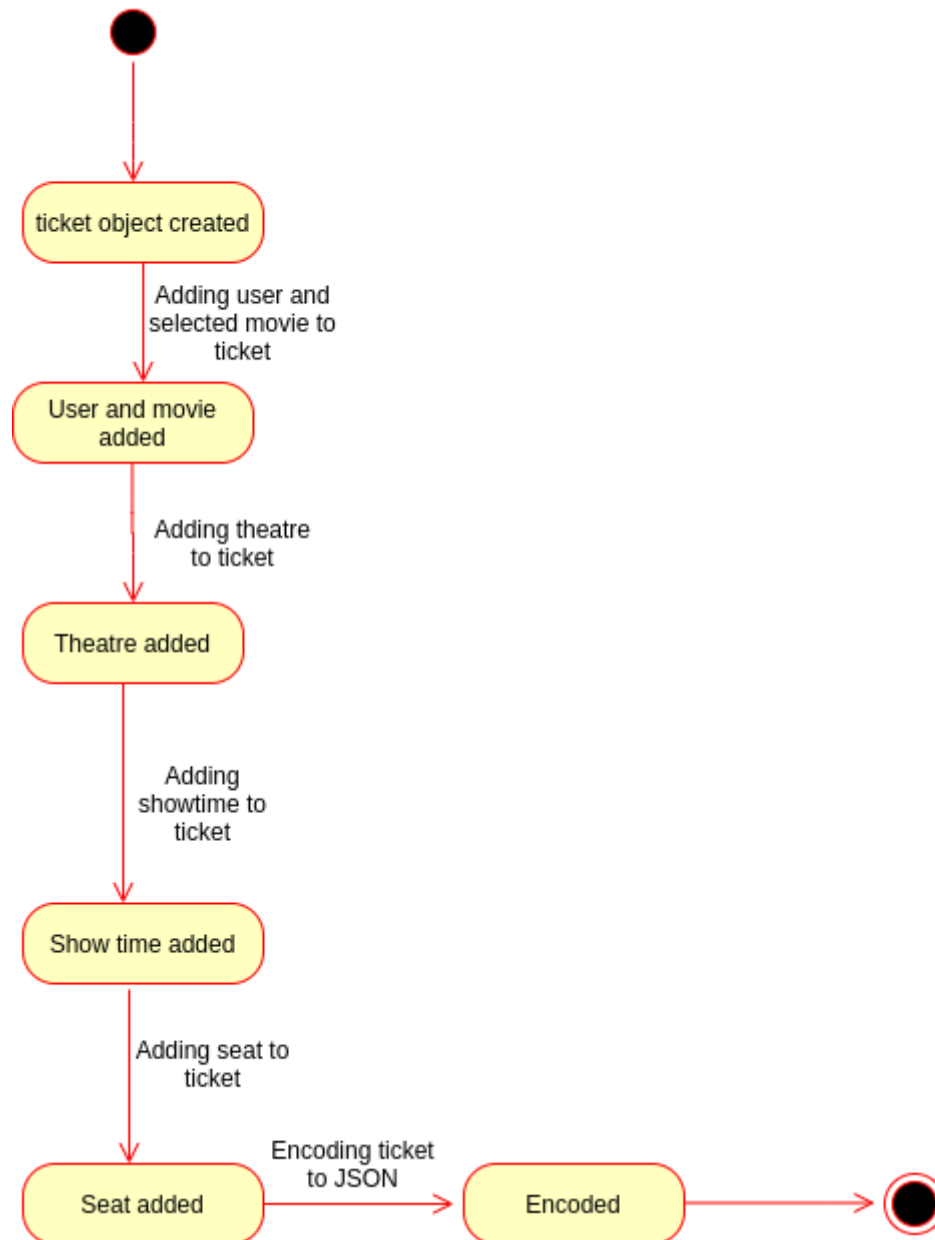
Use Case: Register User - By: Michael Lasby

See `./lib/SequenceDiagrams/LasbyRegisterUserSequenceDiagram.pdf`

State Transition Diagrams

Ticket

See `./lib/StateTransition/TicketStateTransition.png`
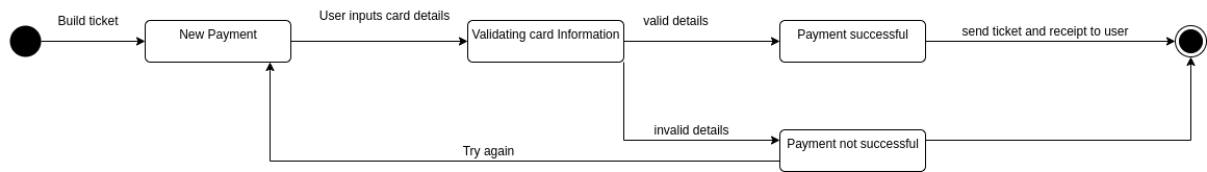

State Transition Diagram for Ticket Object

Payment
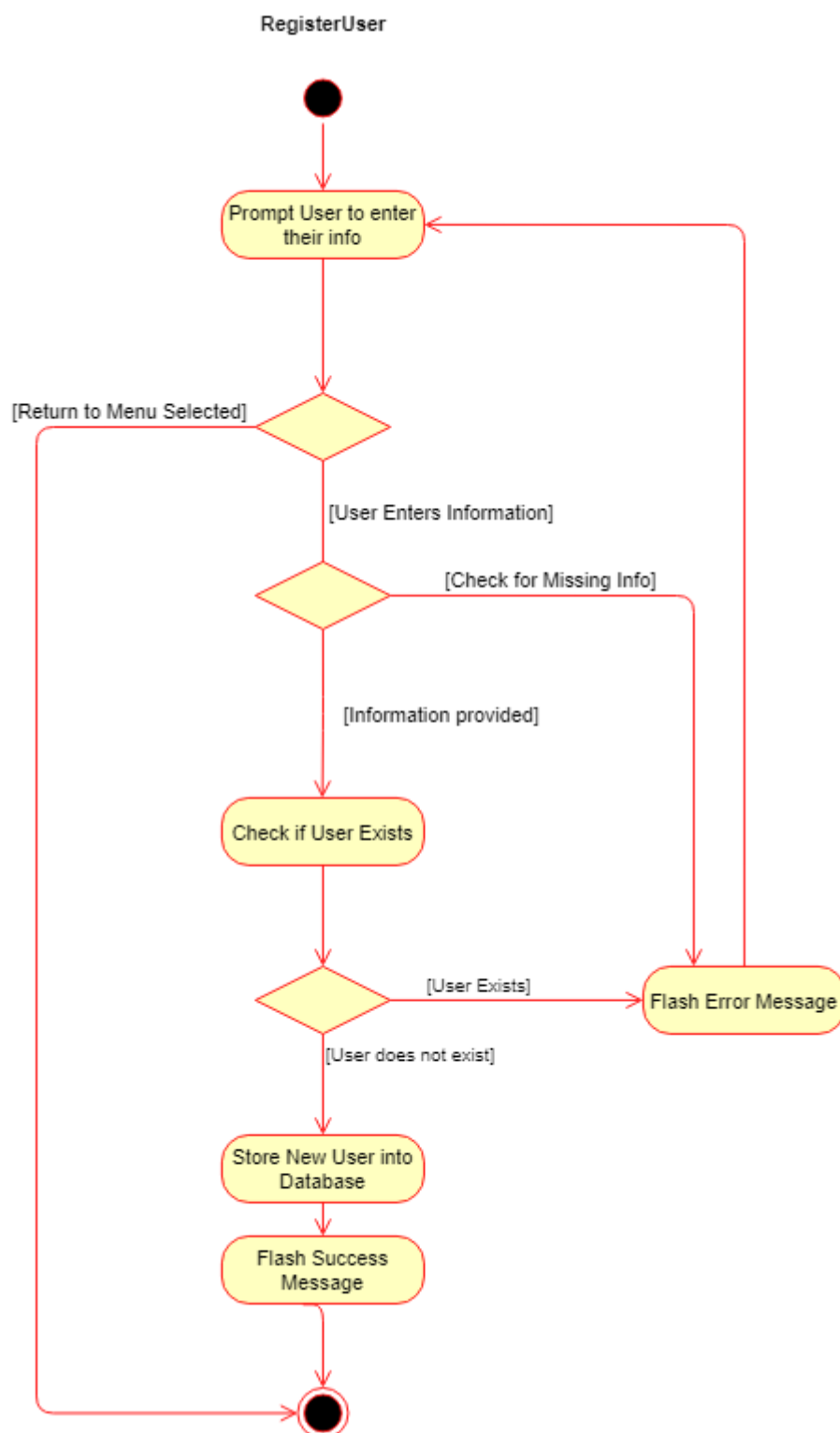
See `./lib/StateTransition/PaymentStateTransition.png`
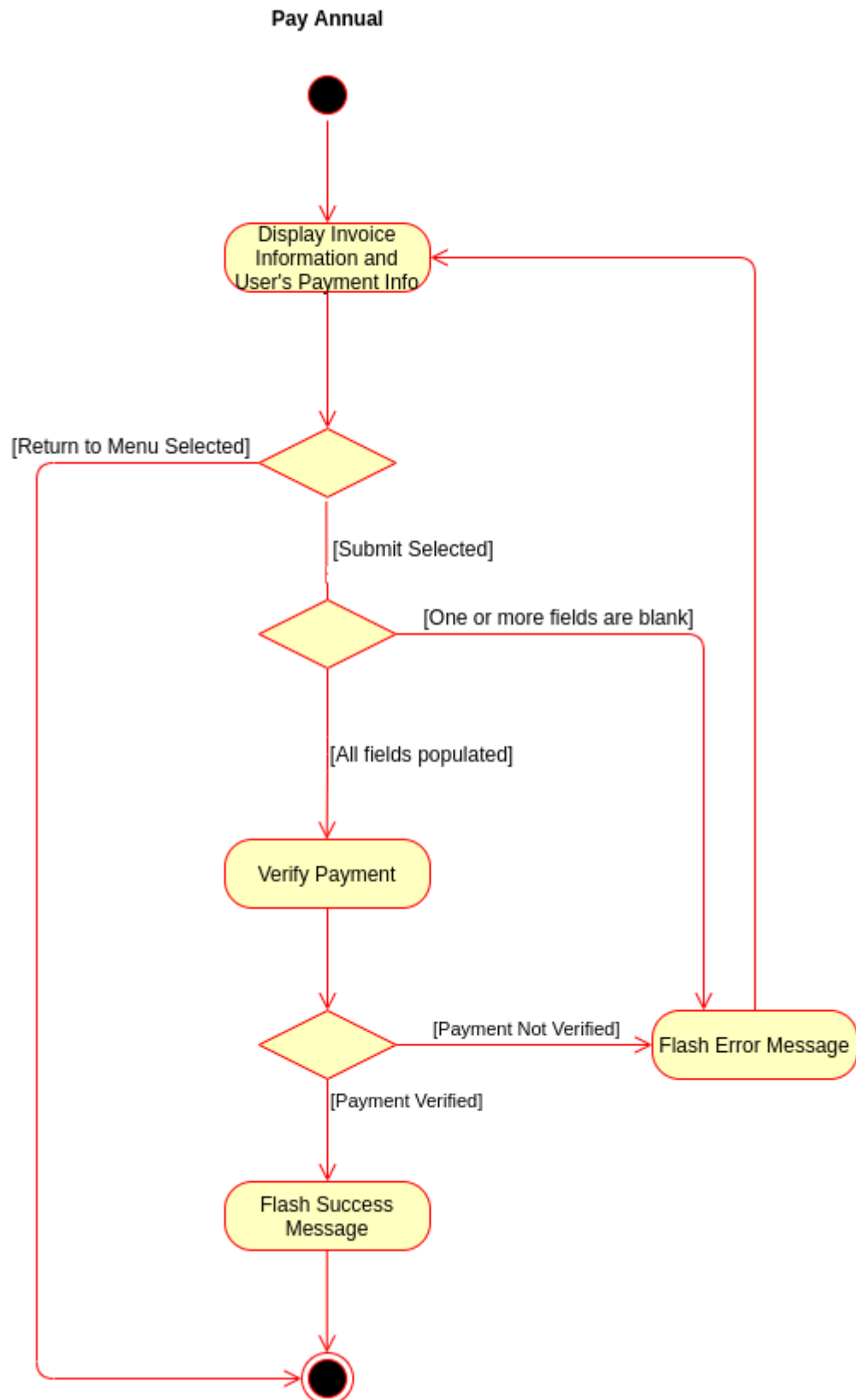
State Transition Payment

Activity Diagrams

Register Account

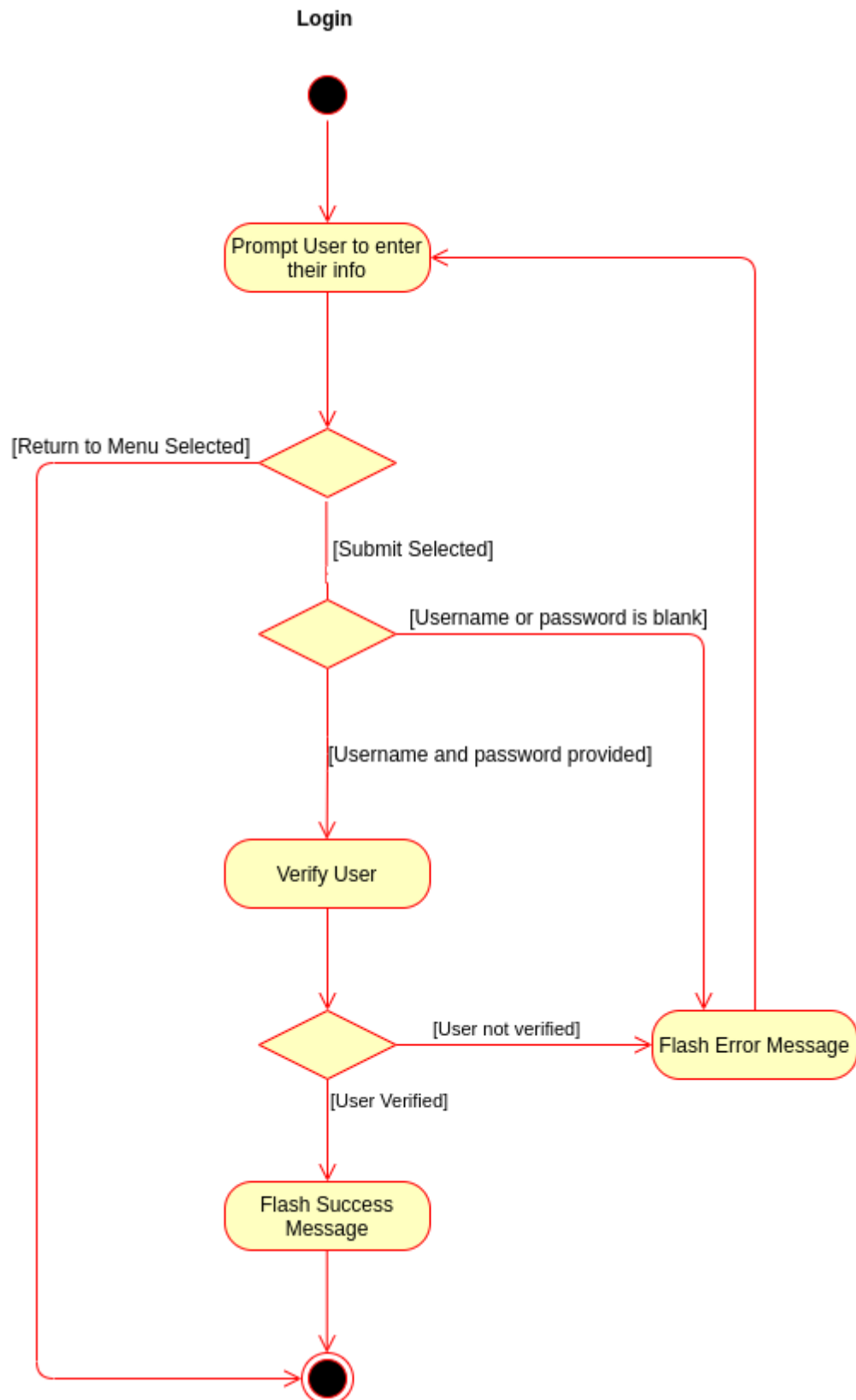See `./lib/ActivityDiagrams/RegisterUserActivityDiagram.png)`

Pay Annual

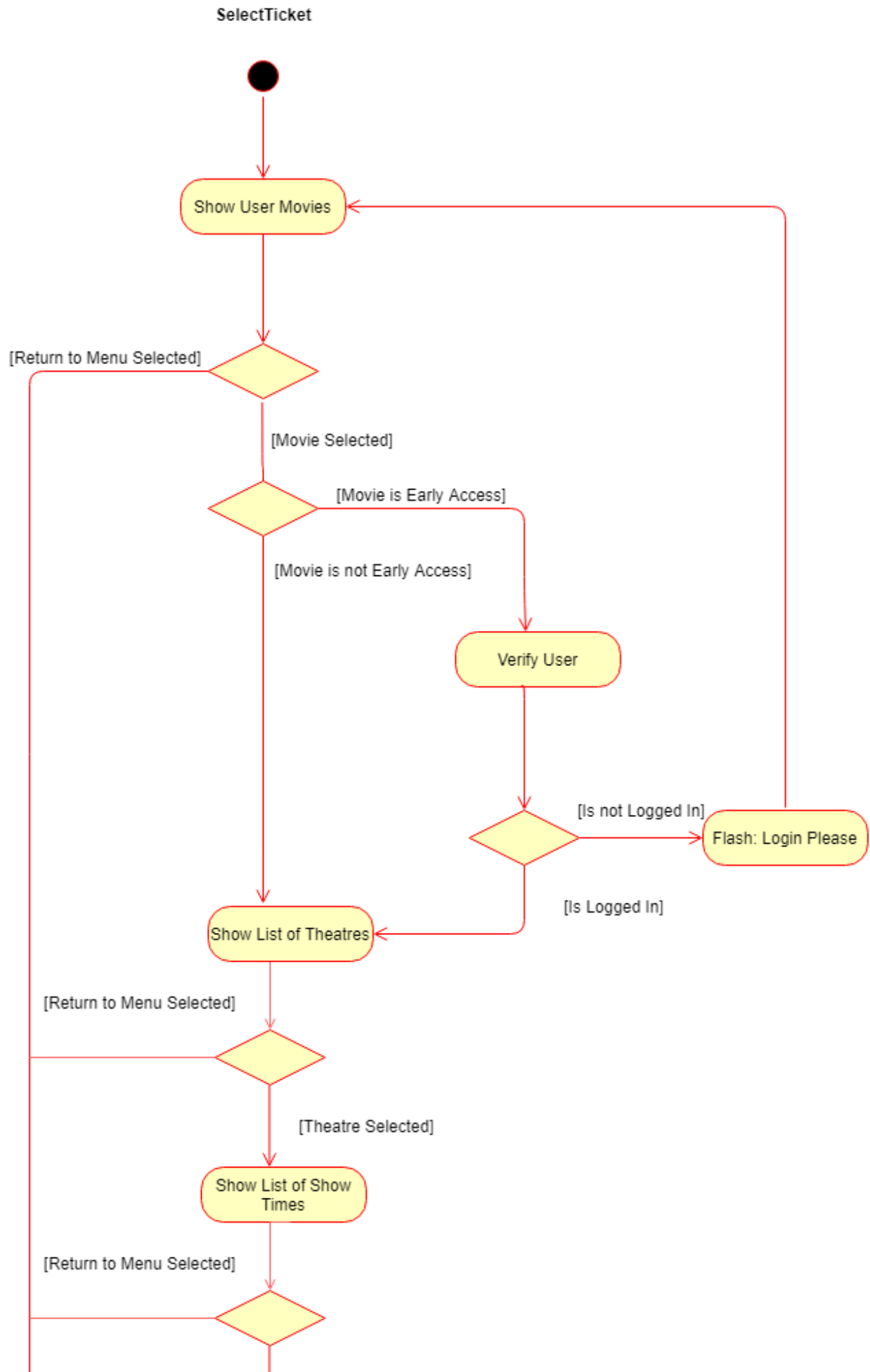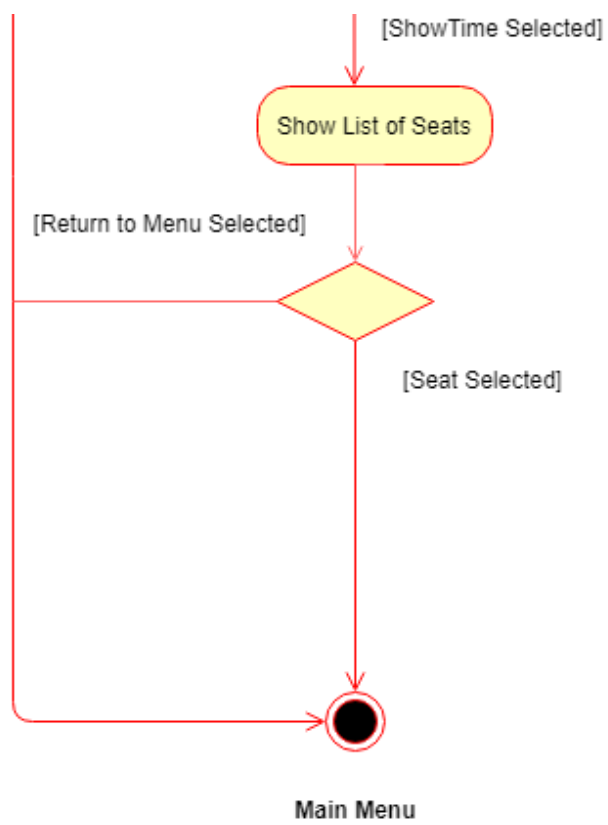See `./lib/ActivityDiagrams/RegisterUserActivityDiagram.png)`

Pay Annual

Login

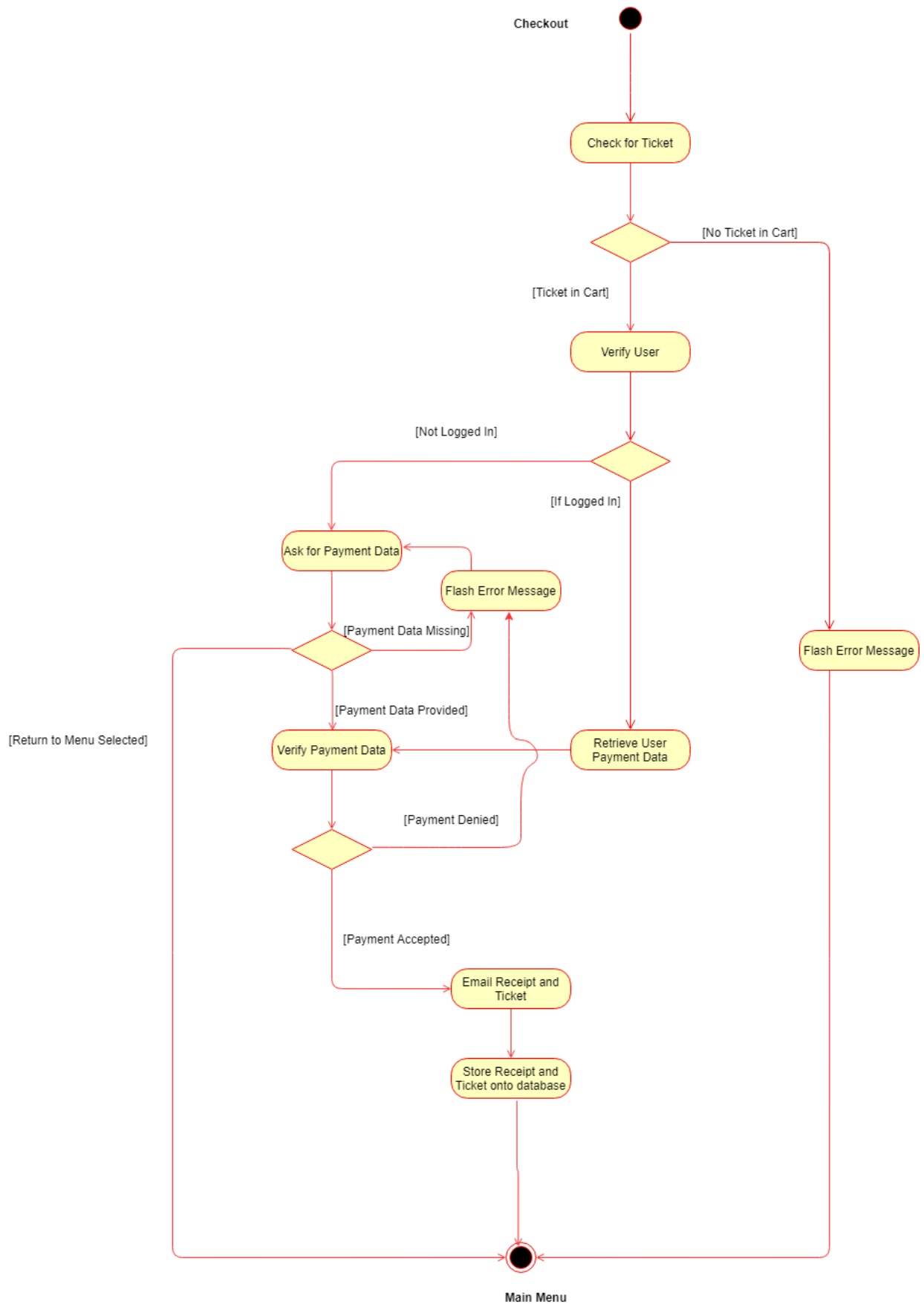See ./lib/ActivityDiagrams/LoginActivityDiagram.png)

Select Ticket

See ./lib/ActivityDiagrams/TicketSelectActivityDiagram.png)

**SelectTicket**

[ShowTime Selected]

Show List of Seats

[Return to Menu Selected]

[Seat Selected]

Main Menu

Checkout

See ./lib/ActivityDiagrams/CheckoutActivityDiagram.png)

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
```

```
Flash Error Message
```

[Payment Data Missing]

[Return to Menu Selected]

[Payment Data Provided]

```
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

See `./lib/ActivityDiagrams/RefundTicketActivityDiagram.png)`

Refund Ticket
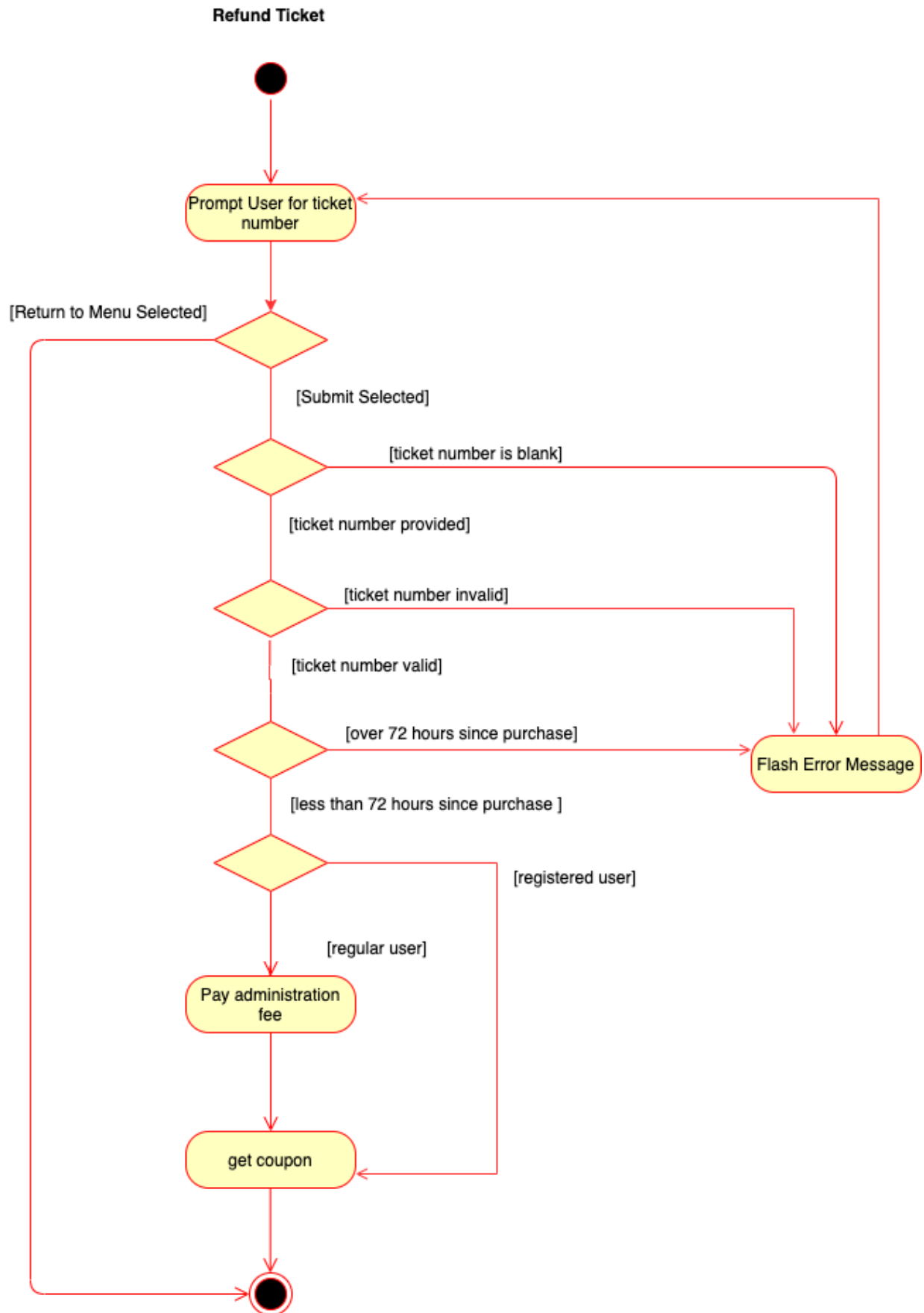
Issue Movie News

See `./lib/ActivityDiagrams/IssueNewsActivityDiagram.png)`

Issue News

Main Menu
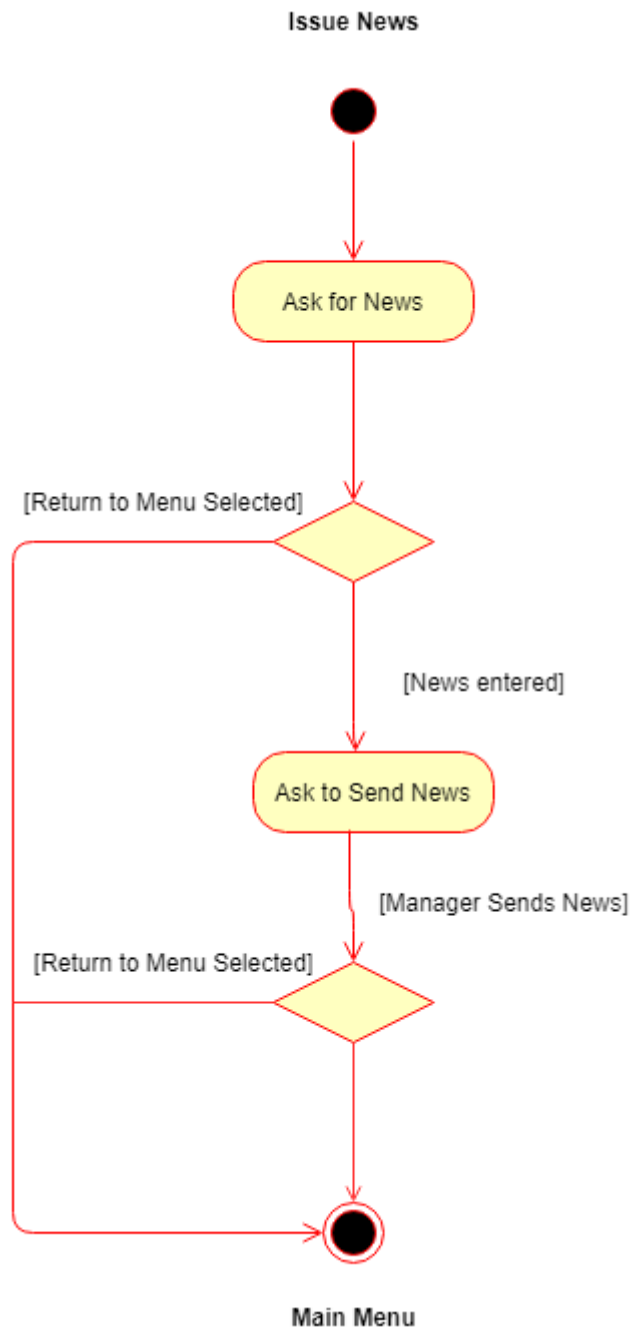
Package Diagram

See `./lib/PackageDiagram/PackageDiagram.png)`

Package Diagram
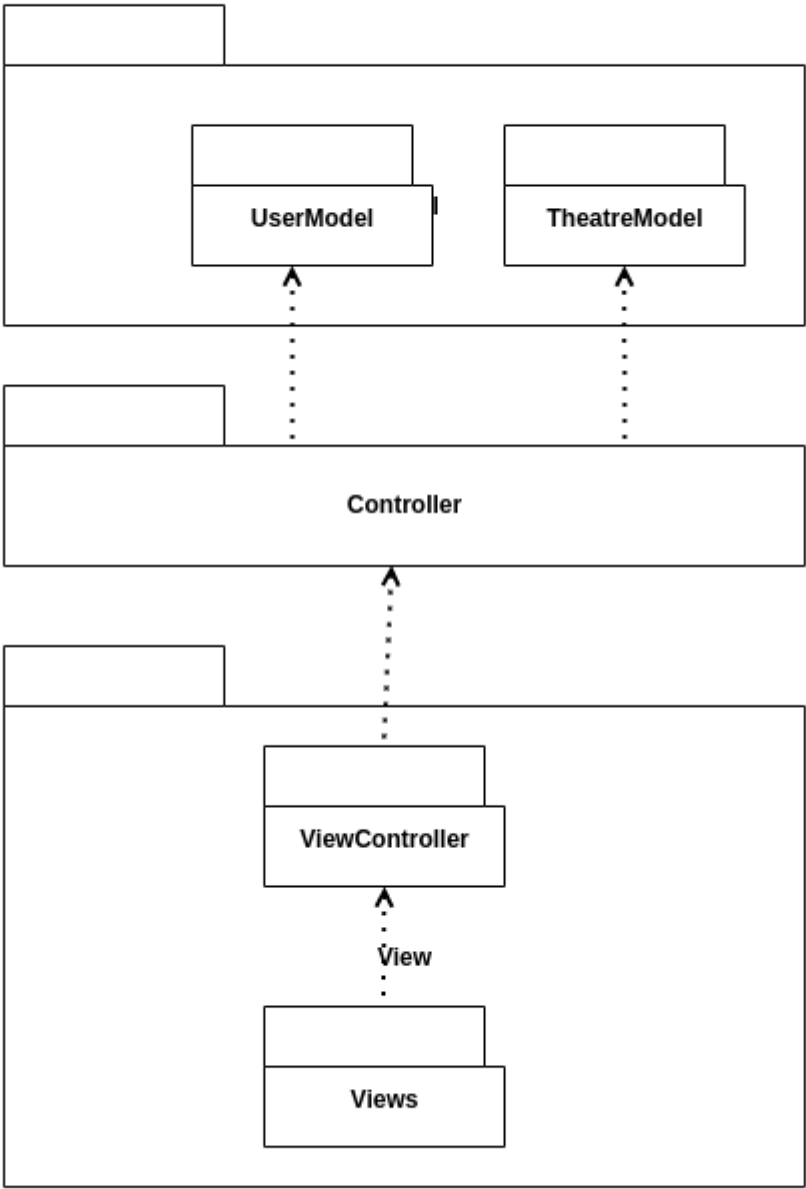
Deployment Diagram

See ./lib/PackageDiagram/DeploymentDiagram.png)