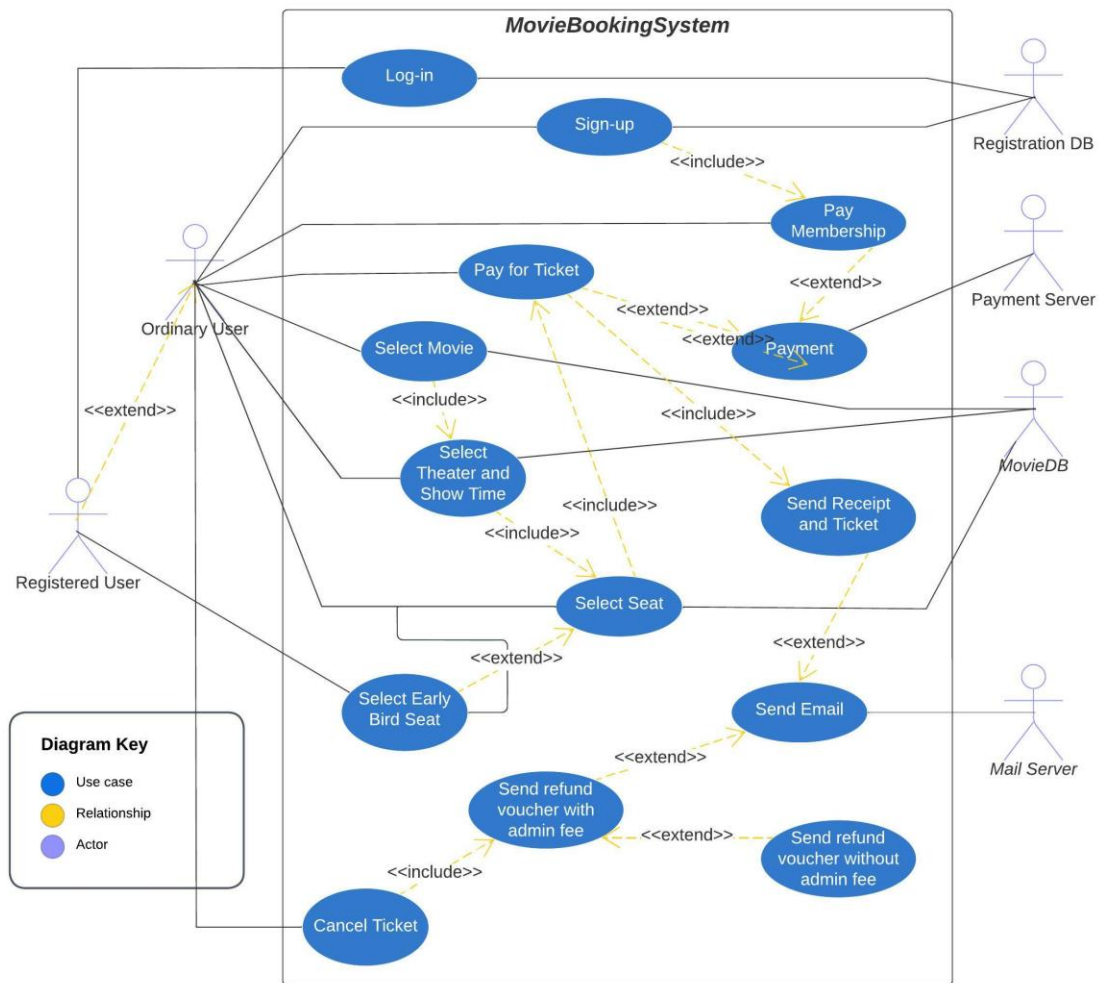


Design Documents

Use-case Diagram:



Use-case Scenarios:

• **Sign up**

- Ordinary User presses register button
- System asks for account information
 - Id, password, name, address, credit/debit card
- Validate id and password
 - If not validated, asks the User for a different Username and/or password
- User presses next button
- System contacts database - to store account info
- System asks User for membership payment
- User inputs payment info and server contacts the payment server to complete the payment
- Program contacts mail server to send Confirmation email
- New page showing User registration is complete

• **Login**

- Ordinary User presses login button
- System asks for Username/email and password
- System contacts User database to validate Username and password
 - If Username and password are valid, System displays a success message and returns registered User to home page
 - If Username and/or password are invalid, displays an error message and prompts for the Username and password again

• **Buy Movie Ticket**

- User opens theatre tab
- System contacts theatre database
- System displays theatres
- User selects theatre
- User opens movie tab
- System contacts movie database
- System displays movies
- User selects movie
- System contacts showtimes database
- System displays showtimes
- User selects showtime
- System contacts seats availability database
- System displays seat availability graphically
 - If User is registered then show early bird seats
- User selects seat
- System opens payment tab
- System asks for payment
 - If ordinary User, inputs credit card details and email address for tickets and receipt
 - If registered User, contacts User database for payment details and contact details
- System contacts mail server to send email with tickets and receipt

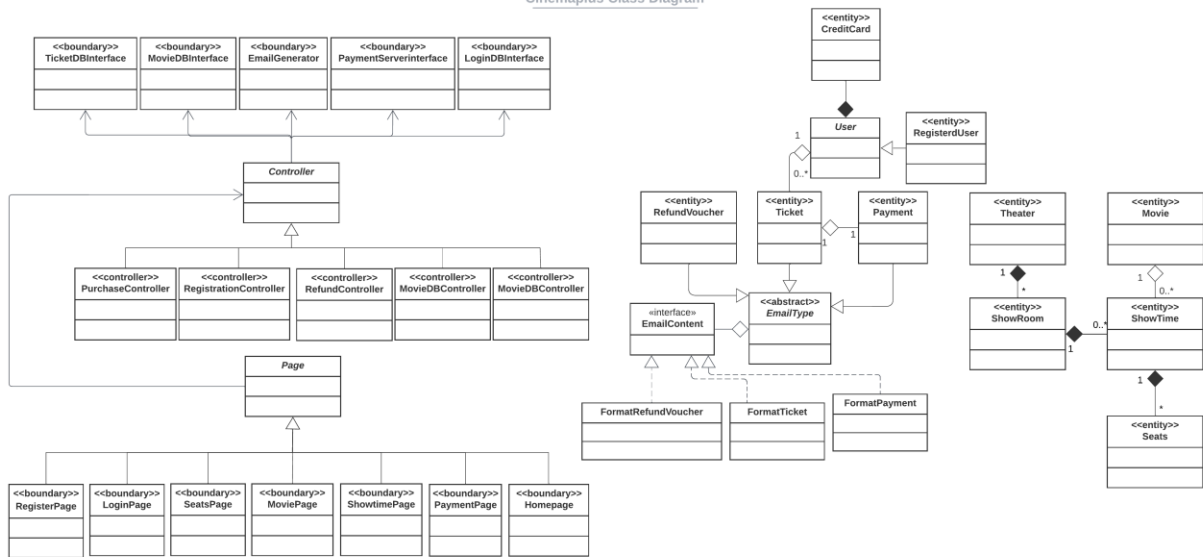
• **Refund Movie Ticket**

- User presses refund button
- System asks for ticket details
- System checks if the movie time is within the 72 hours period

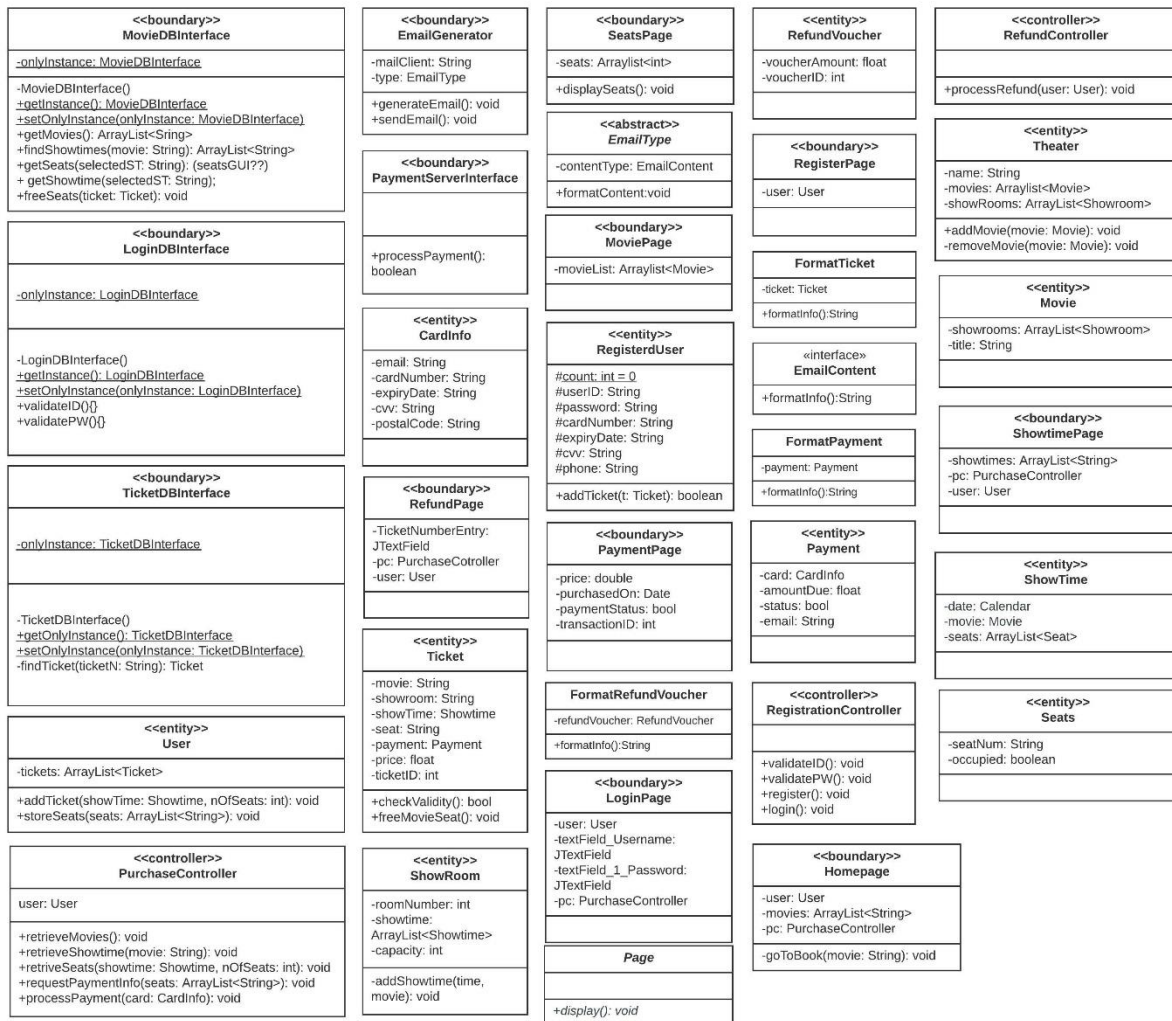
- If so, reject refund
- System checks if the User is a registered User
 - If so, exempt 15% admin fee
- System contacts email server to send the refund voucher with 1 year expiry date to the User

Design Class-diagram:

Cinemaplus Class Diagram

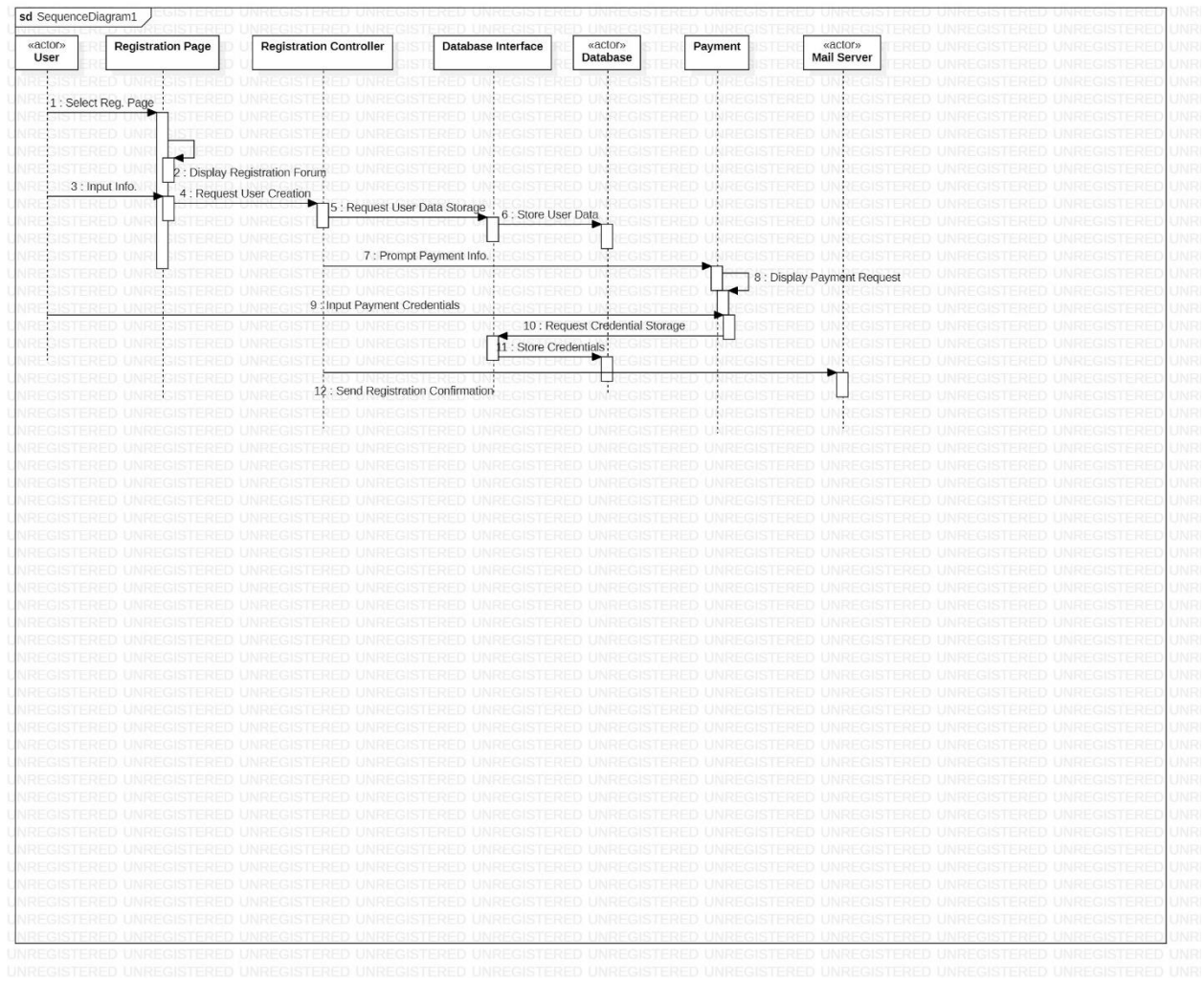


Attributes Class-diagram:

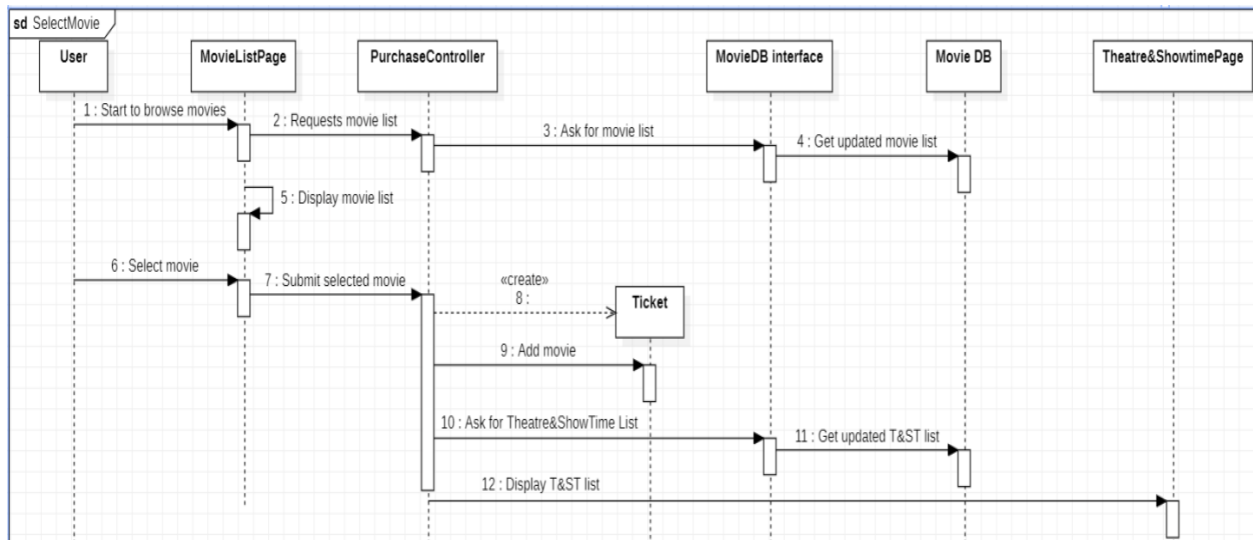


Sequence Diagrams:

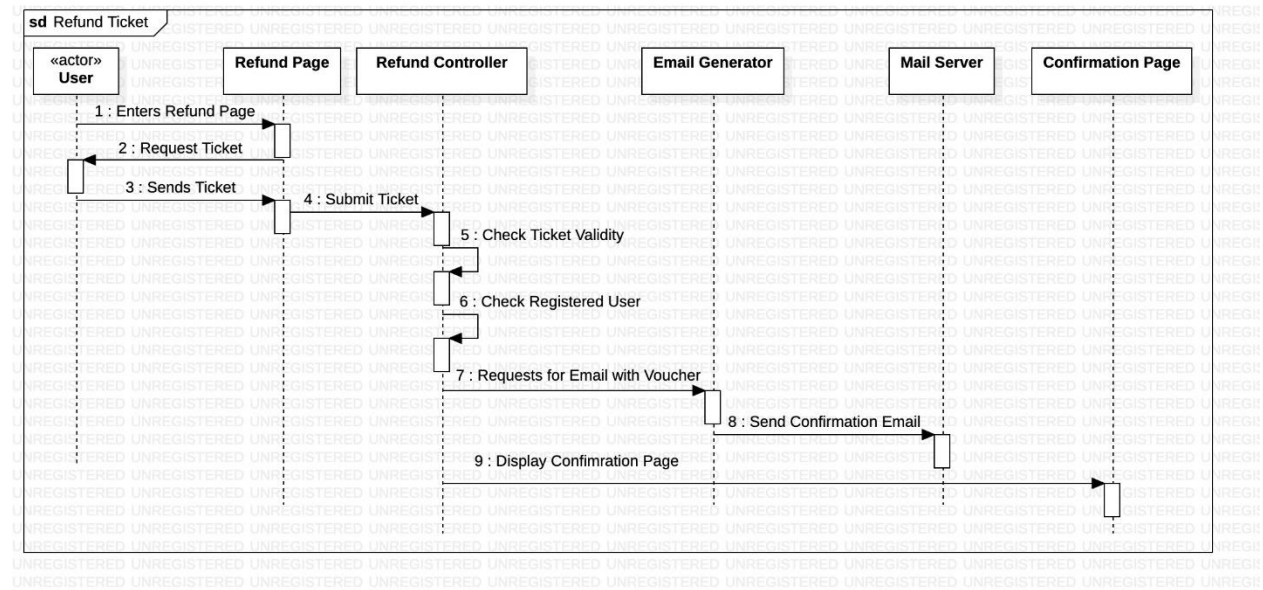
Completed by Braden Foley



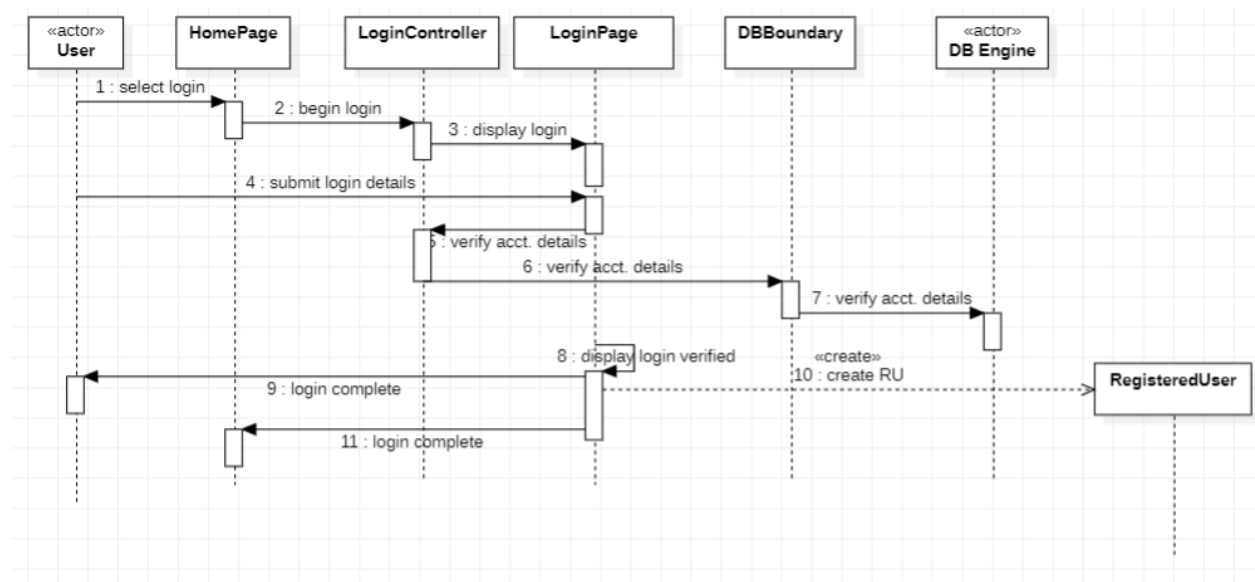
Completed by Mary Mo



Completed by Mark Ngu

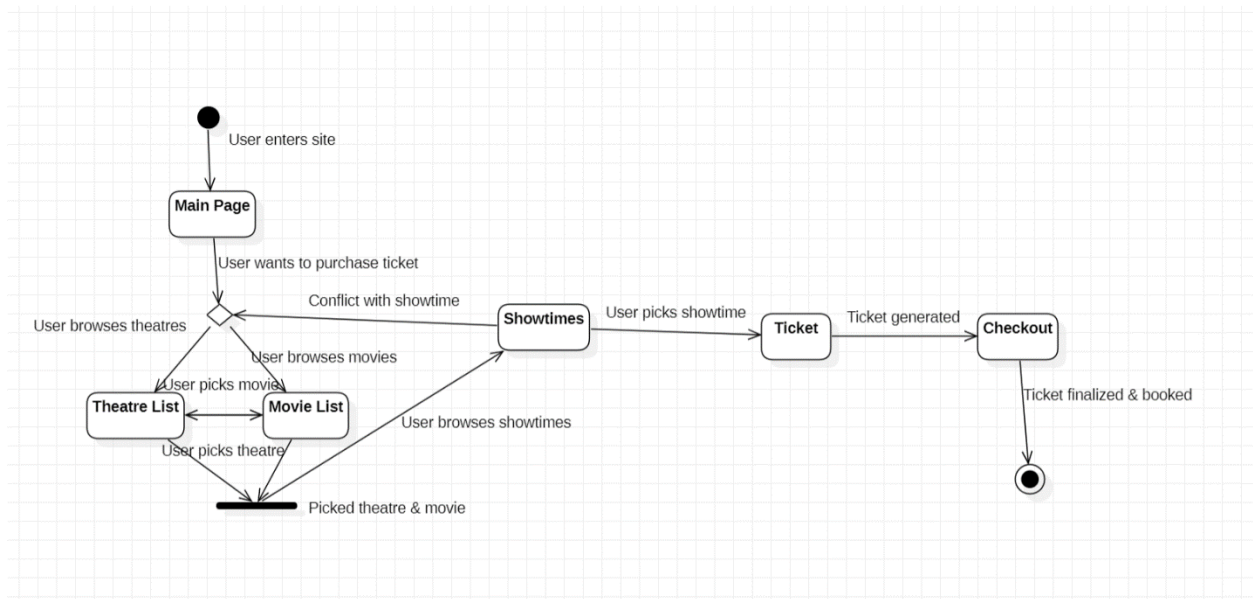


Completed by Max Thorniley

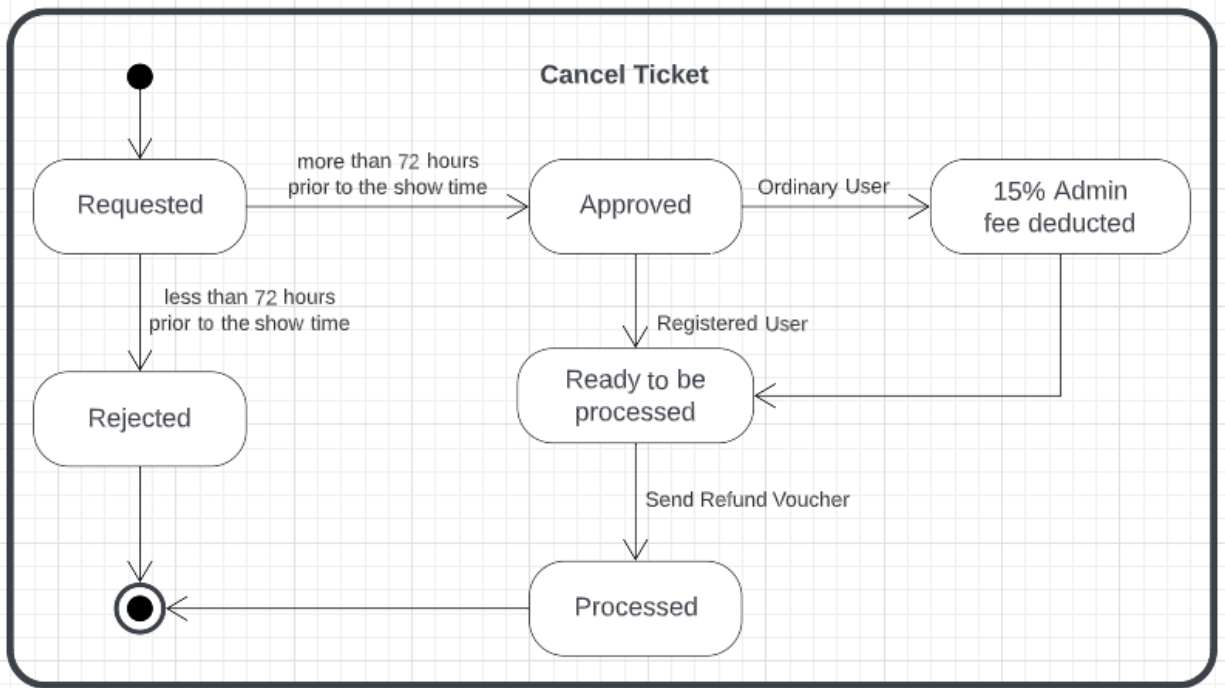


State Transition Diagram:

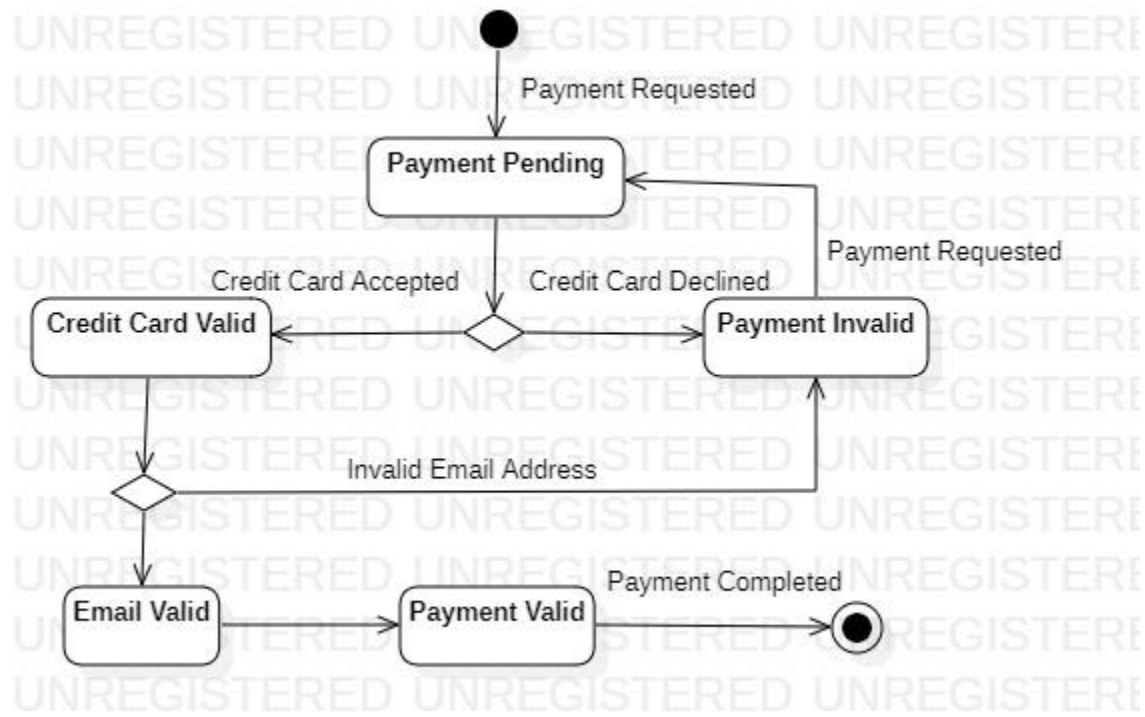
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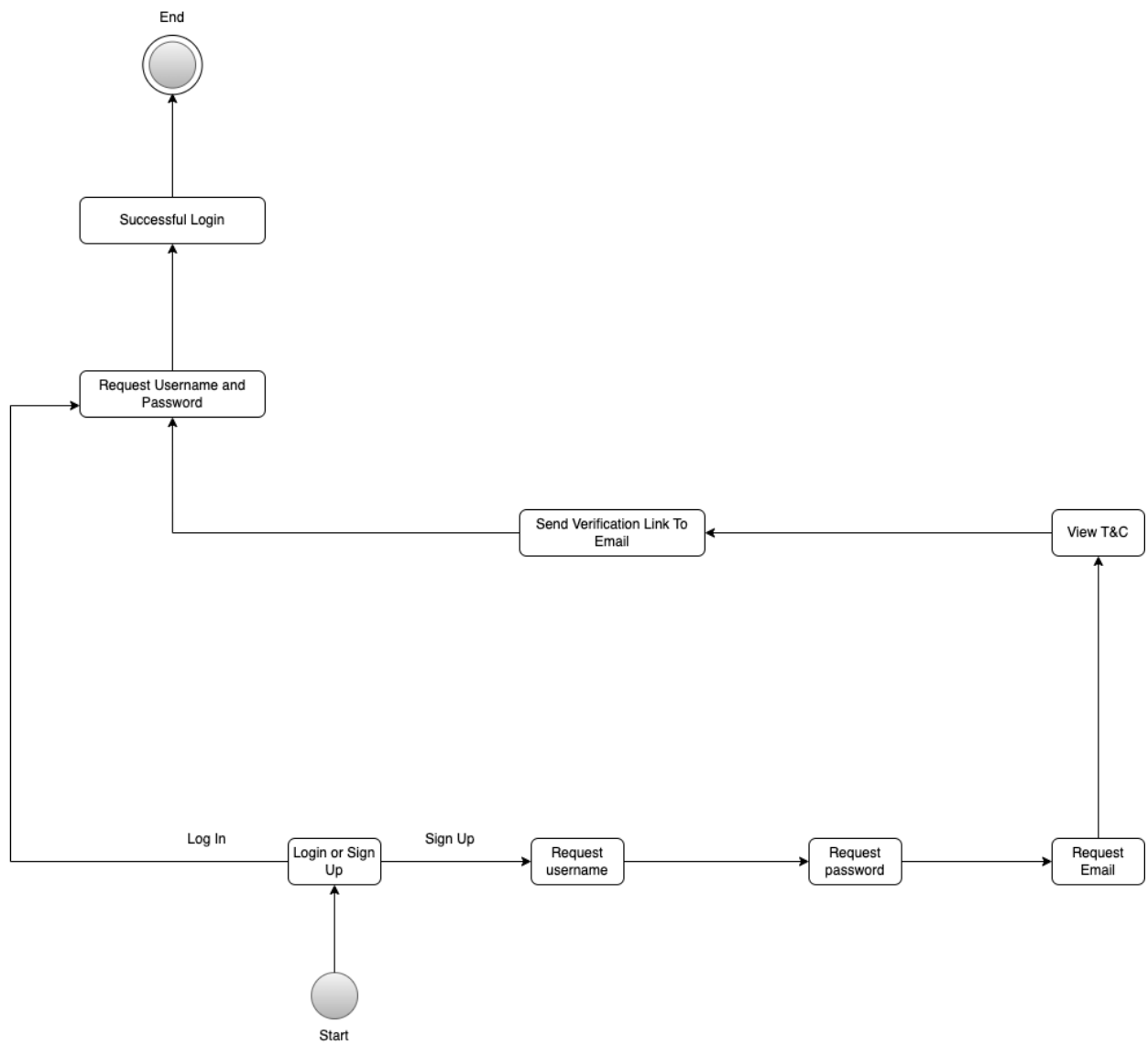
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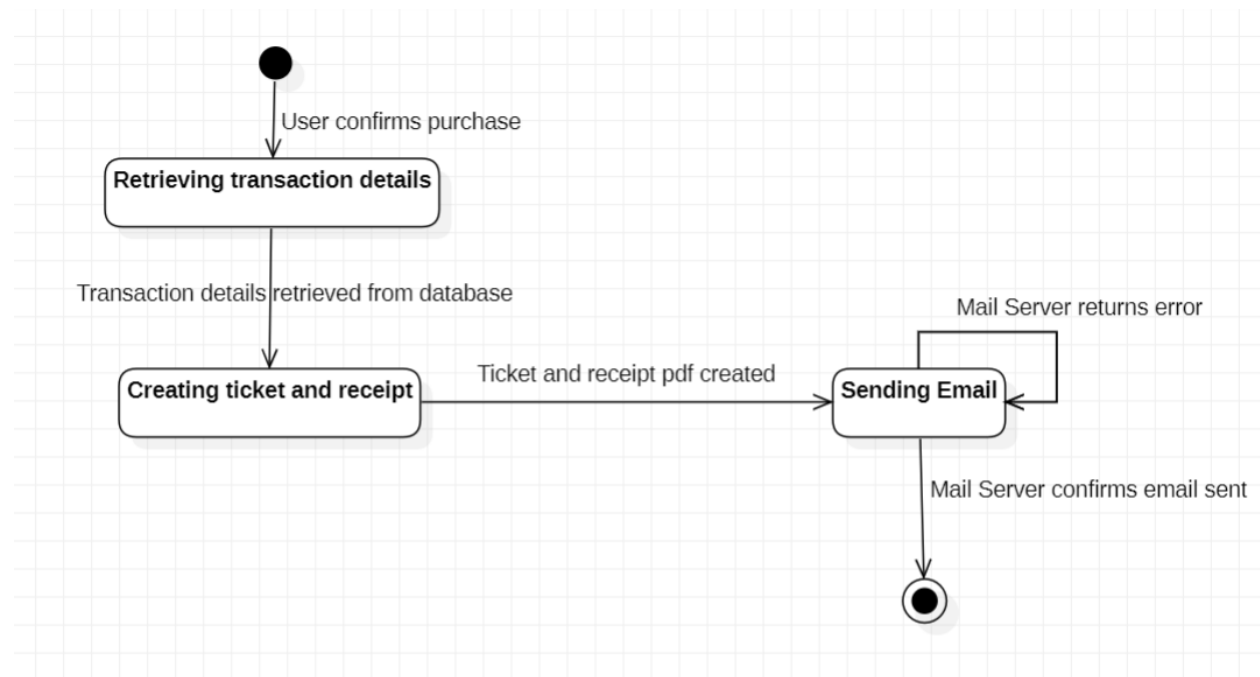
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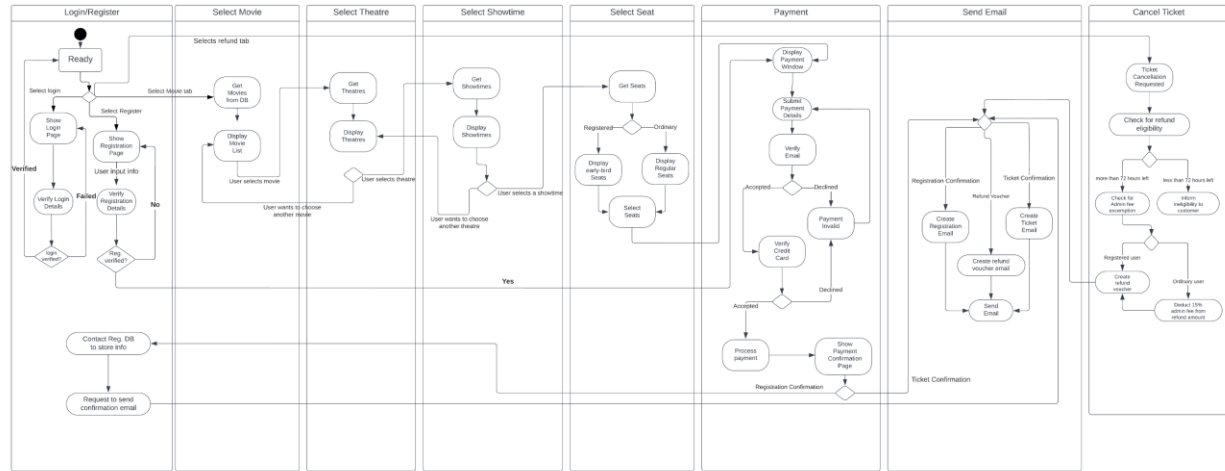
Completed by Sadat Mohtasim



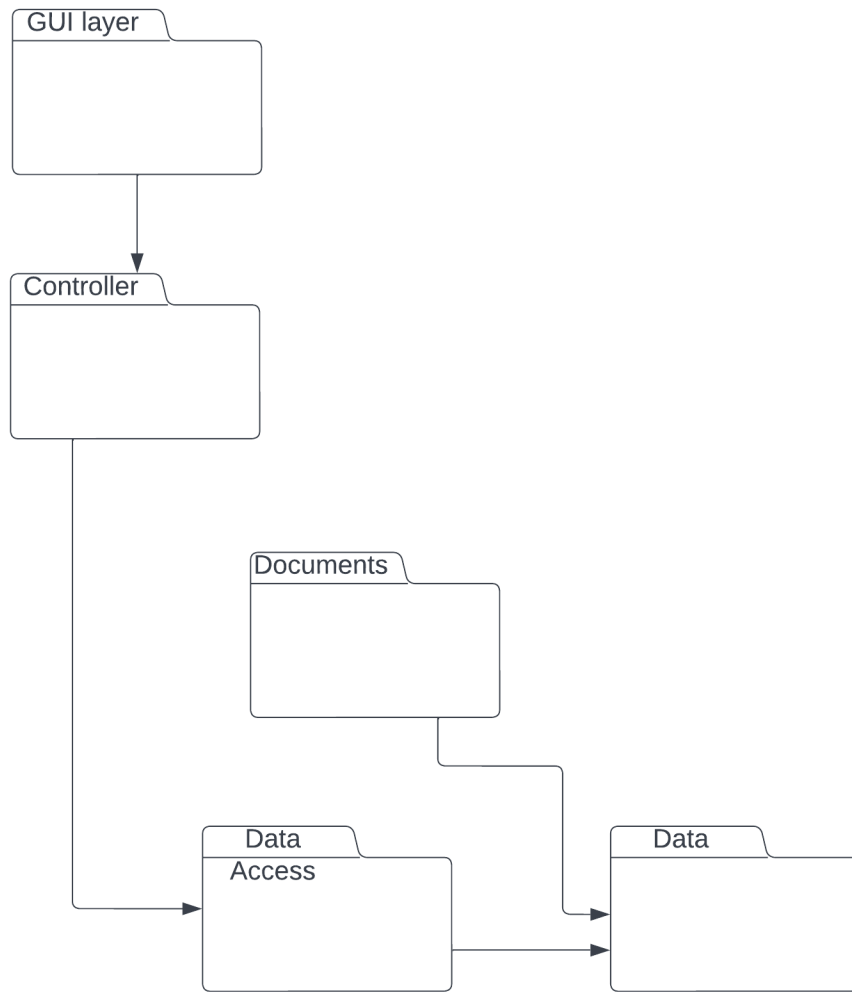
Completed by Max Thorniley



Activity Diagram:



Package Diagram:



Deployment Diagram:

