

ENSF 614 – Final Project

Group 14

Uzair Anjum

Mark Phillipos

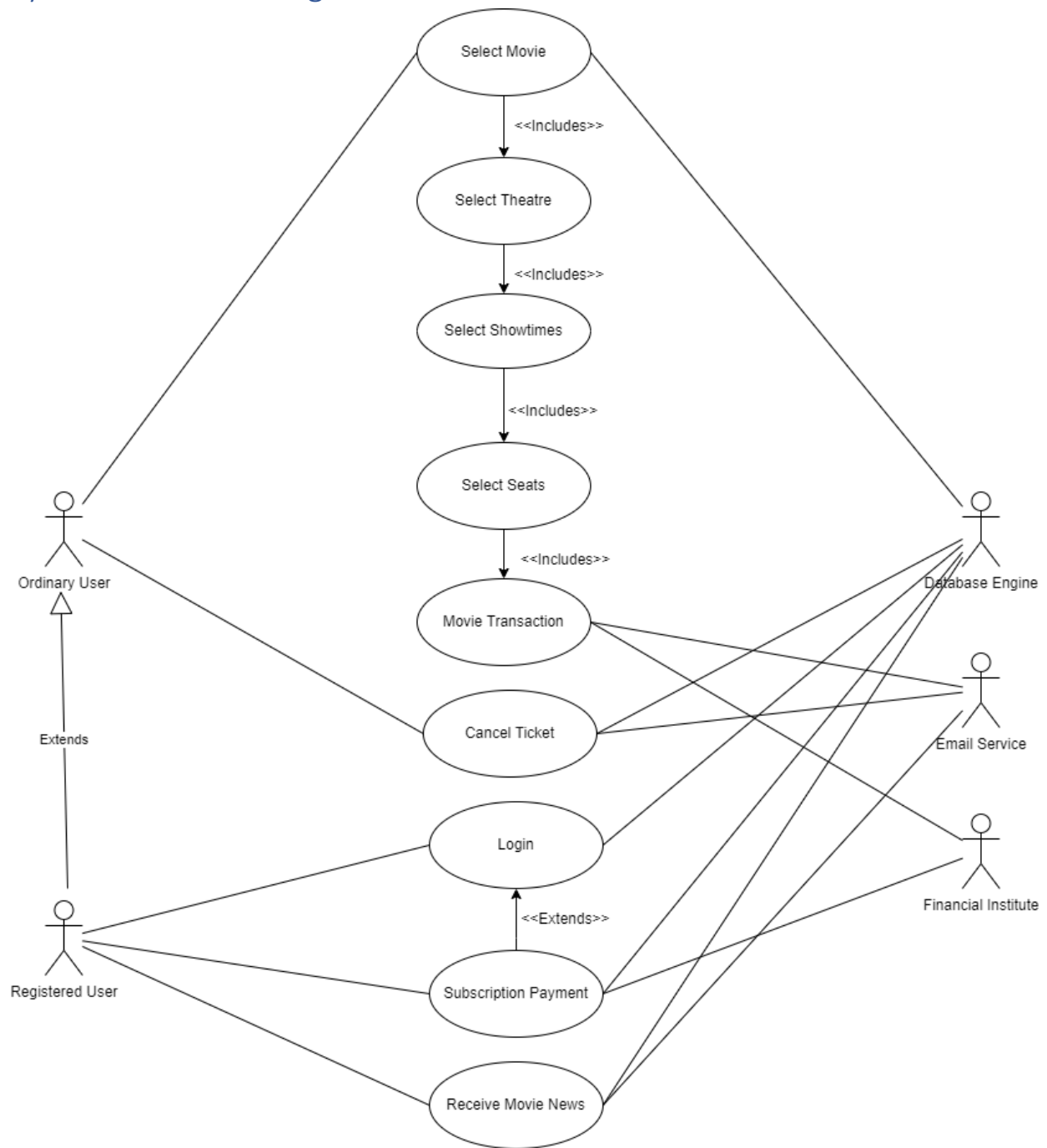
Aaryan Sharma

Kenneth Weech

Table of Contents

System Use-Case Diagram	3
Use-Case Scenarios	4
Class Diagrams	5
Relationship Class Diagram	5
Attribute and Behavior Class Diagrams	6
Controller	6
Model	6
Repository	7
Service	7
Interaction (Sequence) Diagrams	8
User Cancels Ticket – Kenneth Weech	8
Unregistered User Selects Movie – Mark Phillipos	8
Registered User Pays Subscription – Uzair Anjum	9
Registered User Selects Movie – Aaryan Sharma	9
State Transition Diagrams	10
Seat Selection – Kenneth Weech	10
Registered User Login – Mark Phillipos	10
Ticket– Uzair Anjum	11
Payment – Aaryan Sharma	11
System Activity Diagram	12
System Package Diagram	13
System Deployment Diagram	13

System Use-Case Diagram

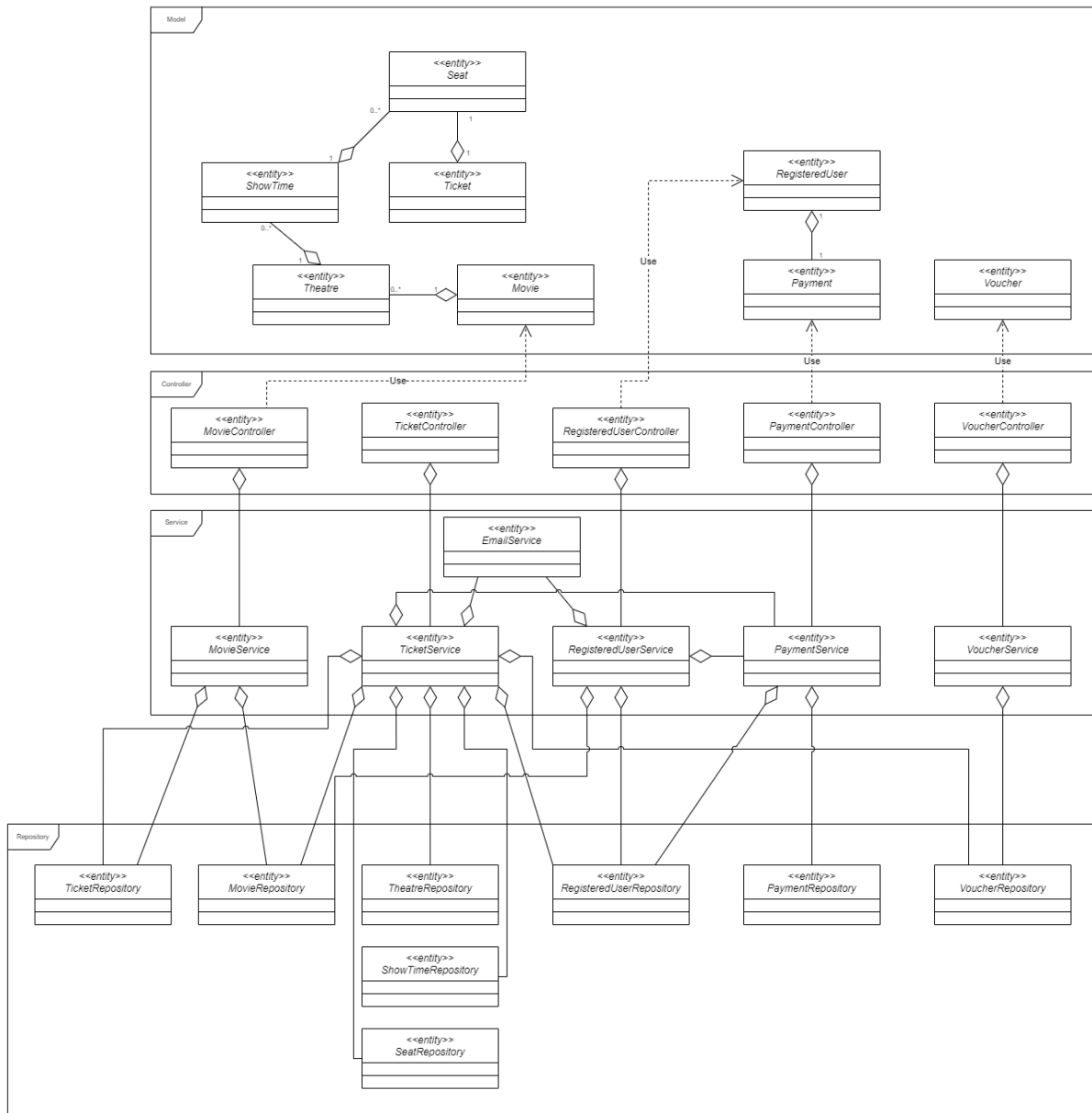


Use-Case Scenarios

Scenario	Description	Filtered Candidate Objects	Filtered Candidate Operations
Ordinary user selects movie	This scenario starts when the <u>user selects</u> the <u>movies tab</u> . On that page, there will an <u>input field to search for movie</u> . If the <u>movie</u> is found, the <u>movie is shown</u> on the same page, if not, an <u>error message is displayed</u> . The <u>user selects</u> the <u>movie</u> that was found.	User, Movie	Selects, displayed
Registered user selects movie	This scenario starts when the Registered <u>user logs in</u> and <u>selects</u> the <u>movies tab</u> . On that page, there will an <u>input field to search for movie</u> . If the <u>movie</u> is found, the <u>movie is shown</u> on the same page, if not, an <u>error message is displayed</u> . The <u>user selects</u> the <u>movie</u> that was found.	User, Movie	Login, Selects, displayed
Ordinary user selects theatre	The <u>user</u> will be able to <u>select</u> the theatre of their choice from the <u>theatres list</u> .	User, Theatre	Selects
Registered user selects theatre	A <u>theatre list</u> is shown, and the Registered user <u>selects</u> one of the valid <u>theatres</u> .	Registered User, Theatre	Selects
Registered user selects showtime	This scenario starts with a <u>showtime</u> list will be displayed and <u>user selects</u> a <u>showtime</u> . Available <u>seats</u> in the <u>theatre</u> are shown to the <u>user</u> for them to <u>select</u> .	Showtime, User, Seat, Theatre	Selects
Registered user selects seats	Registered user <u>selects</u> from the available <u>seats</u> in <u>theatre</u> that are displayed on screen.	Registered User, Theatre, Seat	Selects
Registered user checkout	This scenario starts with the <u>User checks out</u> and receives an <u>email receipt</u> of their <u>ticket</u>	User, email, ticket	Check out
Ordinary user cancels movie	This scenario starts when the <u>user clicks</u> the <u>link</u> in <u>email receipt</u> to <u>cancel order</u> . If it is greater than or equal to 72 hours before the <u>movie</u> start time, the <u>cancels</u> their purchase. <u>User</u> receives 85% of their <u>original payment</u> as a <u>voucher</u> to their <u>email address</u> .	User, Email, Payment, Voucher	Cancel
Registered user cancels movie	This scenario starts when the <u>user clicks</u> the <u>link</u> in <u>email receipt</u> to <u>cancel order</u> . If it is greater than or equal to 72 hours before the <u>movie</u> start time, the <u>cancels</u> their purchase. <u>User</u> receives 100% of their <u>original payment</u> as a <u>voucher</u> to their <u>email address</u> .	User, Email, Voucher, Payment	Cancel
Registered user logs in	This scenario starts when the <u>user loads</u> the website and <u>enters login</u> information.	User	Login
Registered user pays subscription	This scenario starts after the <u>user logs in</u> and <u>goes to</u> the <u>account tab</u> . The <u>user</u> will see an option to <u>pay</u> <u>annual account fee</u> . <u>User</u> will receive an <u>email receipt</u> of their subscription renewal.	Registered User, Email	Login, Pay
Registered user receives movie news	The <u>database engine sends</u> <u>registered user email</u> about <u>pre-purchasing</u> not publicly announce <u>movies</u> . This <u>email</u> will contain a <u>link</u> which will lead the <u>user</u> to <u>select a movie</u> scenario.	Email, Movie, User	Send email, Pre-purchase, Selects

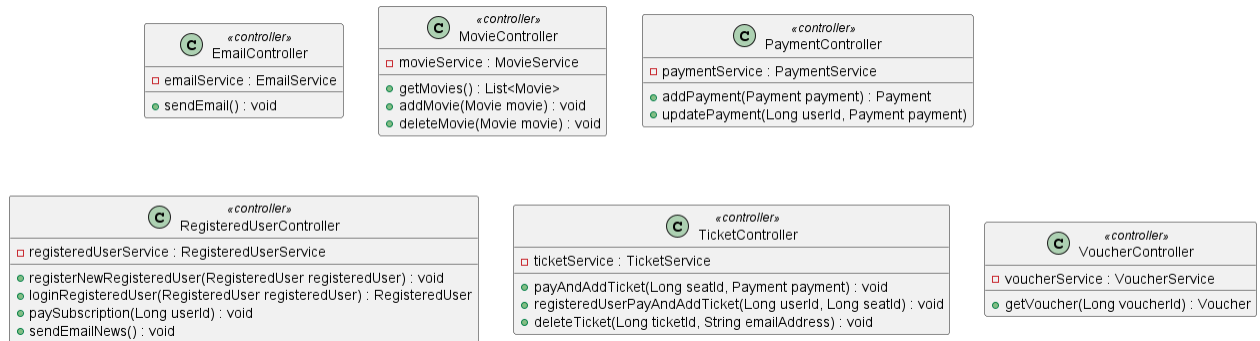
Class Diagrams

Relationship Class Diagram



Attribute and Behavior Class Diagrams

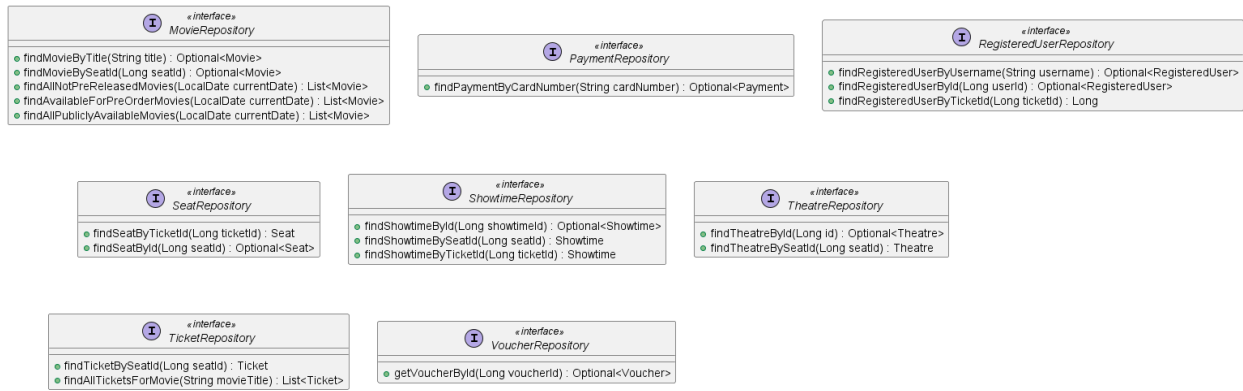
Controller



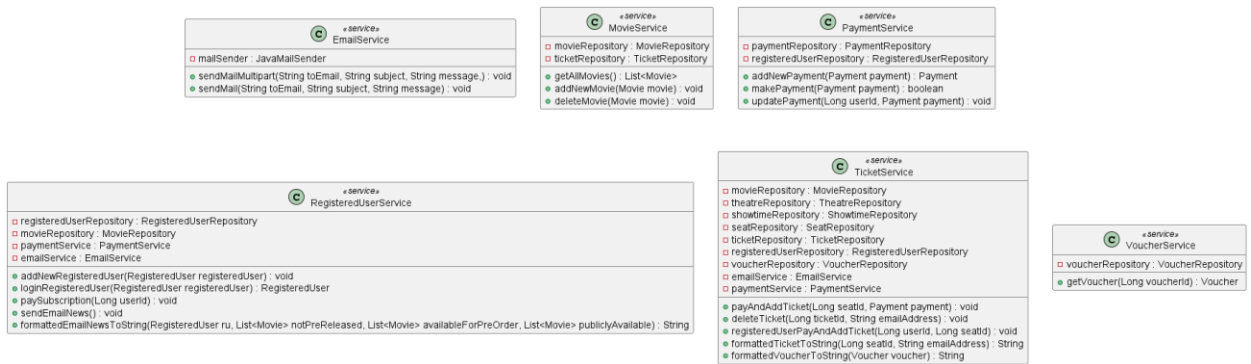
Model



Repository

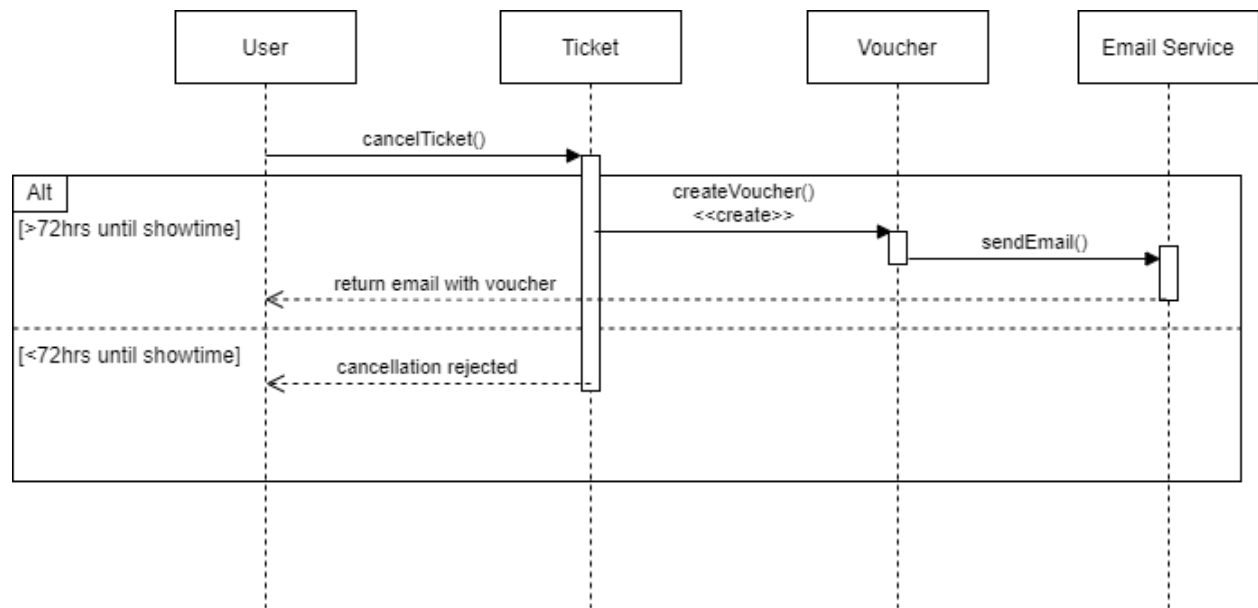


Service

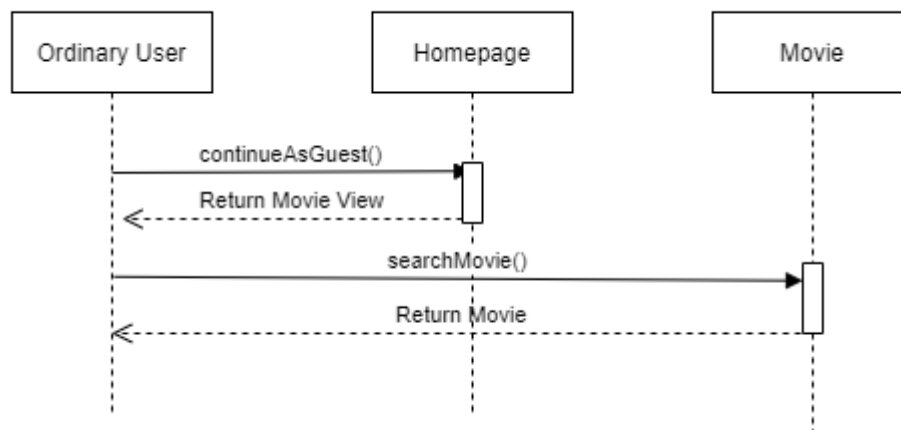


Interaction (Sequence) Diagrams

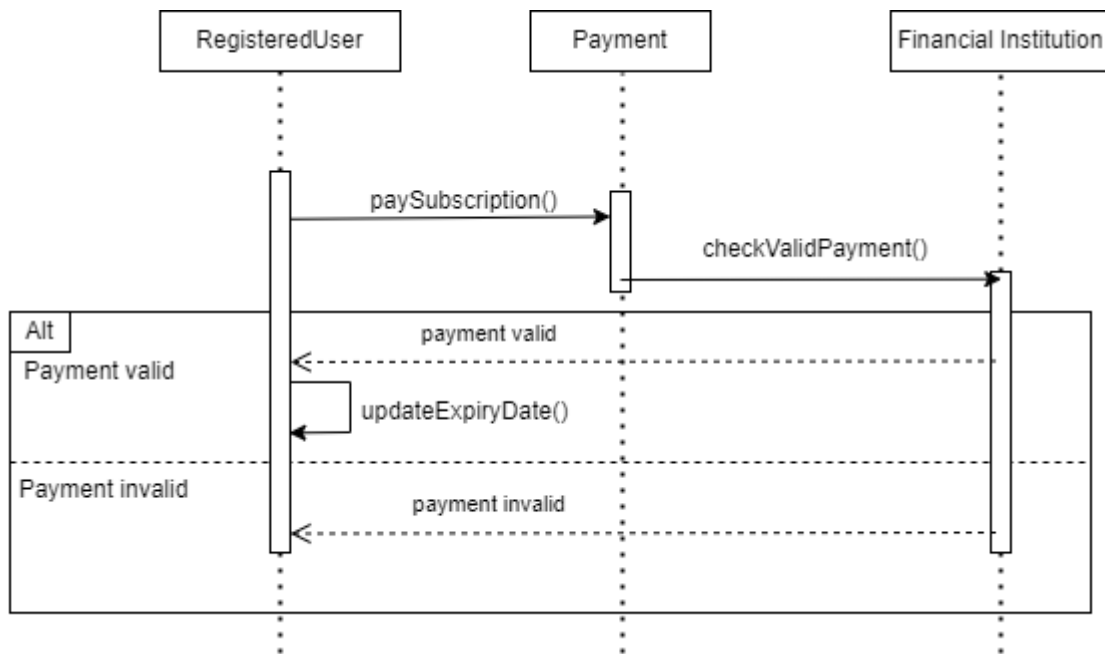
User Cancels Ticket – Kenneth Weech



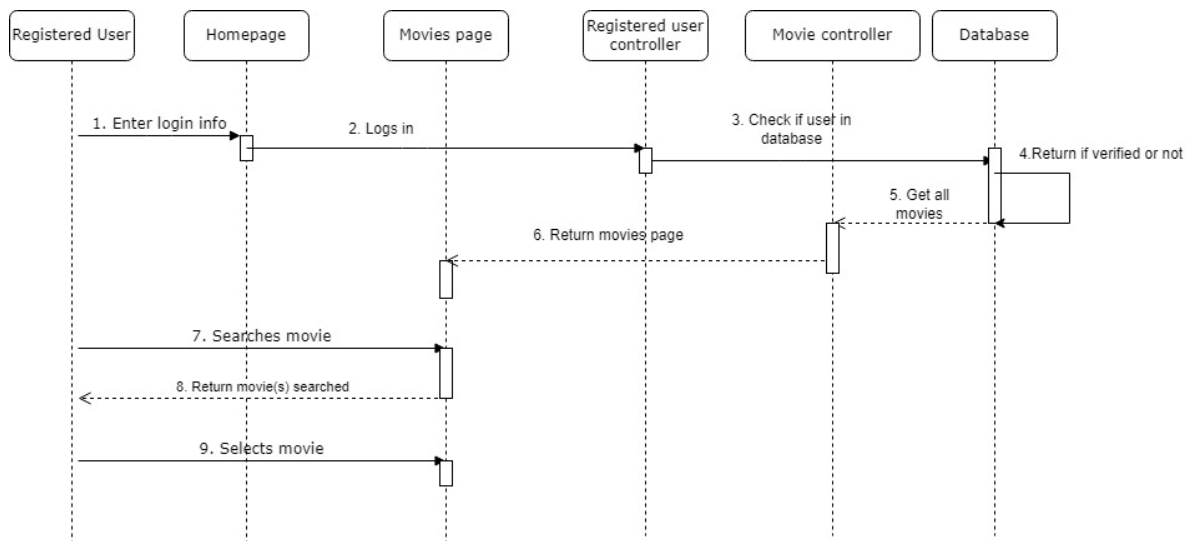
Unregistered User Selects Movie – Mark Phillipos



Registered User Pays Subscription – Uzair Anjum

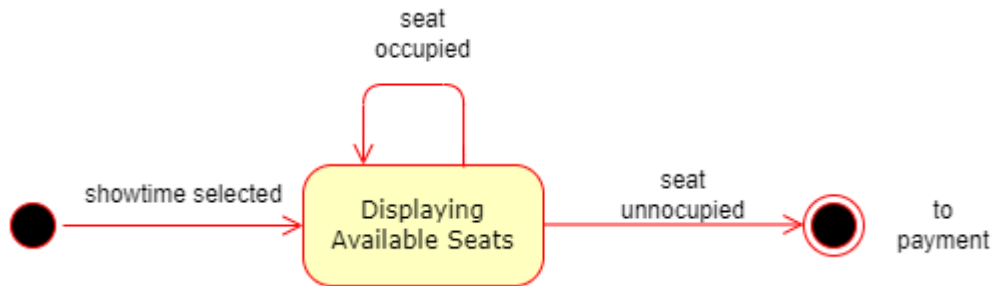


Registered User Selects Movie – Aaryan Sharma

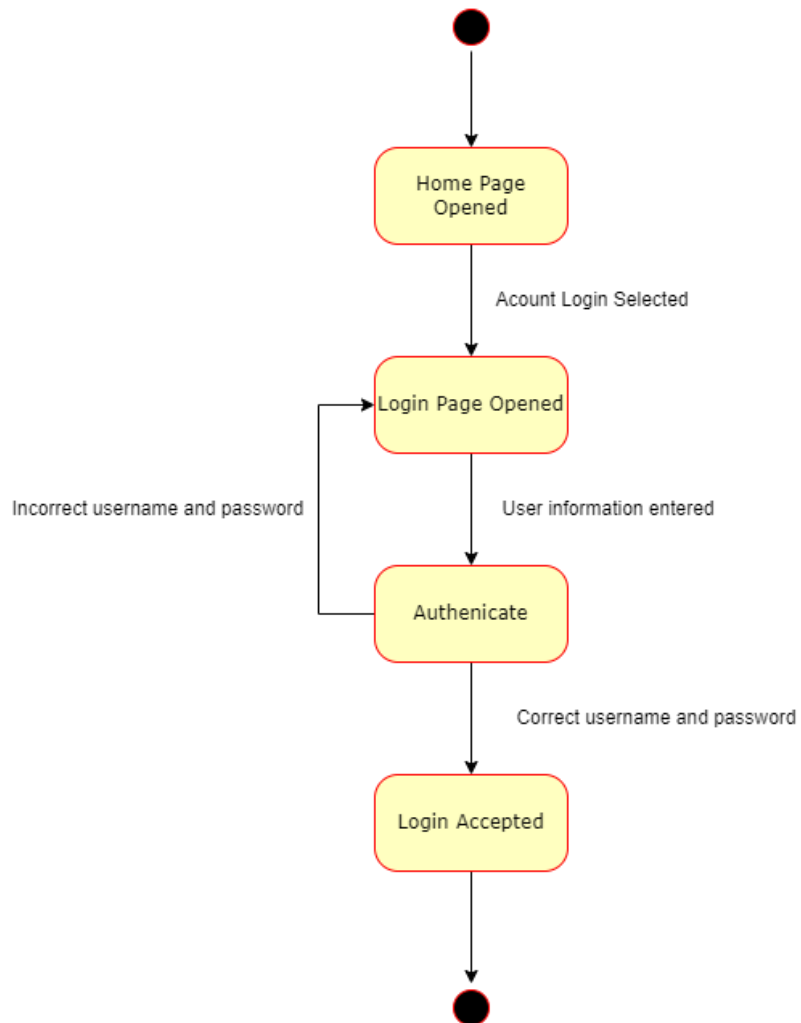


State Transition Diagrams

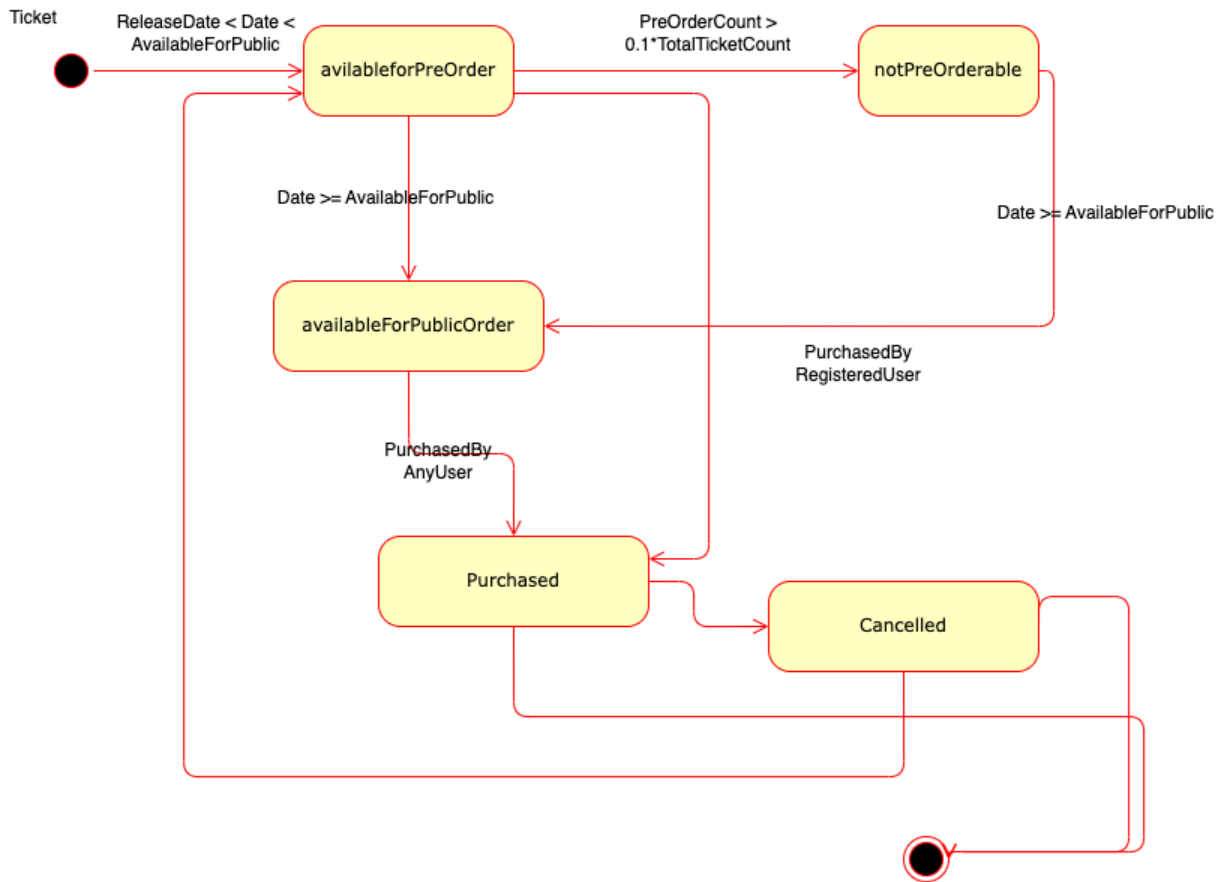
Seat Selection – Kenneth Weech



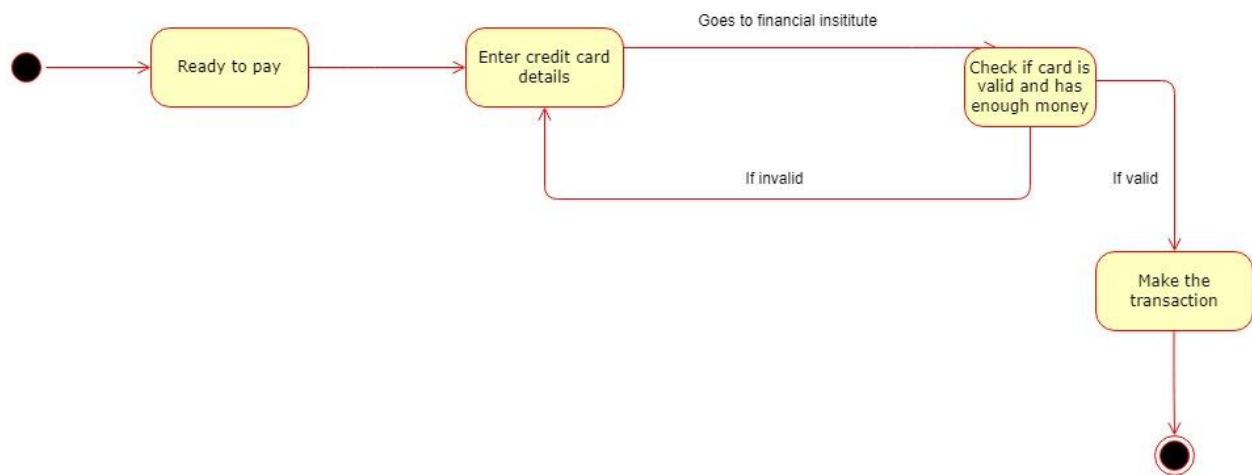
Registered User Login – Mark Phillipos



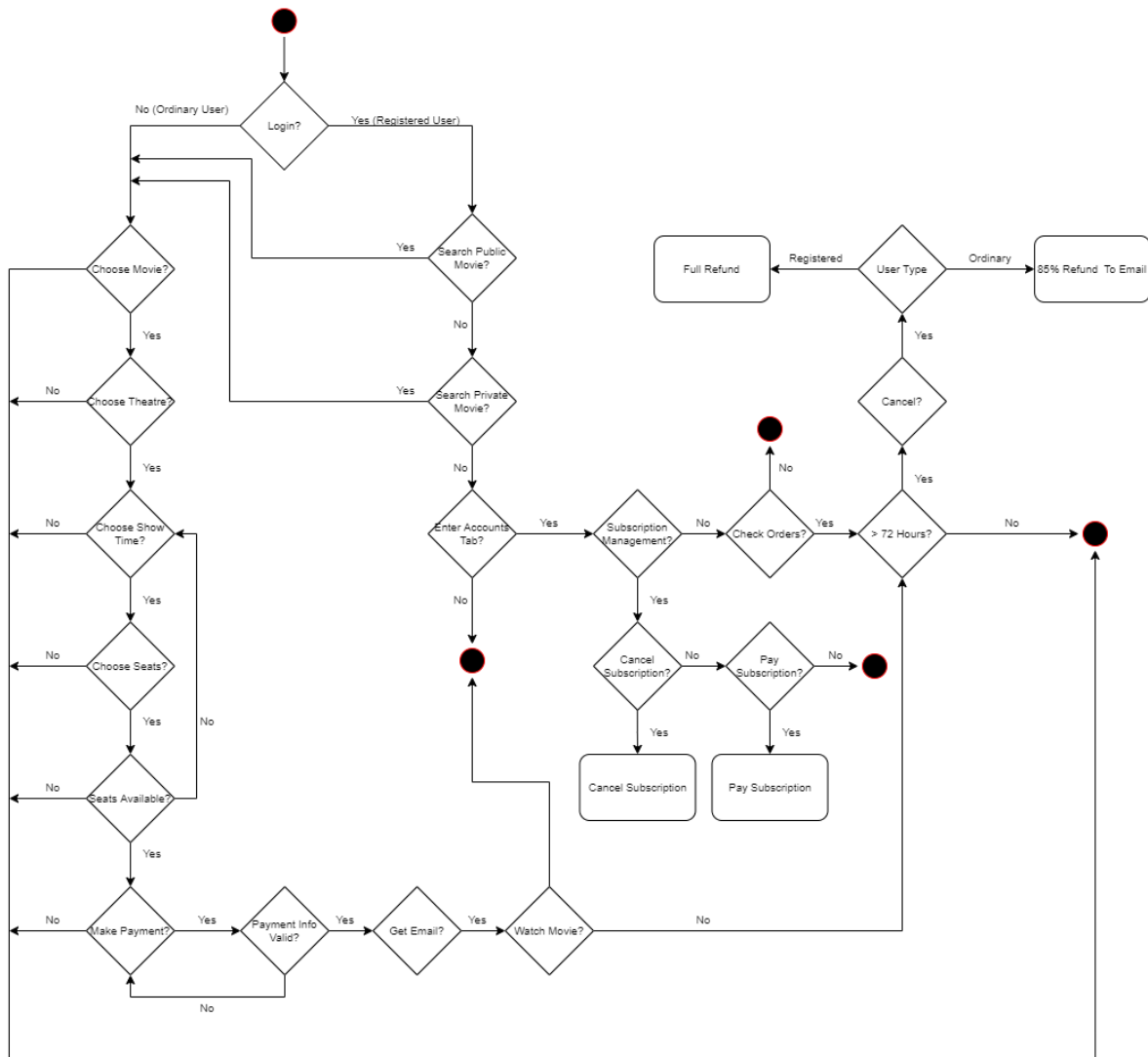
Ticket– Uzair Anjum



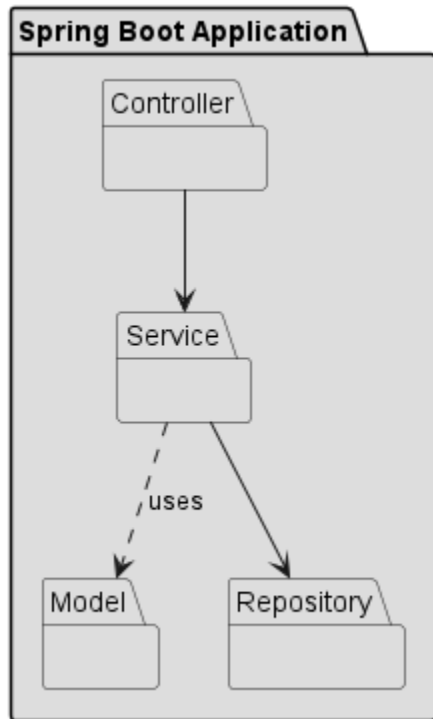
Payment – Aaryan Sharma



System Activity Diagram



System Package Diagram



System Deployment Diagram

