Use Case Template

Use Case ID: 1

Use Case Name:

Login

Actor: User, Firebase Authentication (Participating Actor)

Description: Existing user login to the system

Preconditions: User should have a registered gmail account in order

to login successfully.

Postconditions: The system must brings user into main functionalities

of the application and displays ProfileUI

Priority: High

Flow of Events: 1. The user clicks the Login button at LoginUI

2. The system asks the user to fill his/her gmail

address and password 3. The system calls Firebase Authentication to

verify user credentials 4. The system brings user to ProfileUI

Alternative Flows: AF-S4:

1. If the credential is invalid, , the system displays

“Failed” message 2. The system returns to Step 1

Use Case Template

Use Case ID: 2

Use Case Name:

ViewNowShowingInfo

Actor: User

Description: User to view detailed information of the now showing

movies

Preconditions: The user must have login to the system using the

Login use case

Postconditions: The system must display detailed information of the

now showing movie depending on user’s choice

Priority: High

Flow of Events: 1. The user clicks the Movie button at bottom

navigation bar 2. The system directs user to NowShowingUI

which displays movie posters and titles of Now Showing movies 3. The user may click on any of the movie posters

or titles to view detailed information of that movie. 4. The system directs user to direct user to the

selected movie interface and display detailed information about that movie. 5. The user may click on View Showtimes button

to view showtimes for that movie 6. The system directs user to showtimes page

and display showtimes across different cinemas in Singapore for today and next 4 days

Use Case Template

Use Case ID: 3

Use Case Name:

ViewUpcomingInfo

Actor: User

Description: User to view information of the upcoming movies

Preconditions: The user must have login to the system using the

Login use case

Postconditions: The system must display information of the upcoming

movies

Priority: High

Flow of Events: 1. The user clicks the Upcoming Movie button at bottom navigation bar 2. The system directs user to UpcomingUI which displays movie posters and titles of Upcoming movies 3. The user may click on any of the movie posters

or titles to view detailed information of that movie. 4. The system directs user to direct user to the

selected movie interface and display detailed information about that movie.

Use Case Template

Use Case ID: 4

Use Case Name:

BookMovieTicket

Actor: User

Description: This functionality allows user to book movie tickets from

official cinema webpage

Preconditions: This use case extends ViewNowShowingInfo use case.

It is invoked whenever the user decides to book movie tickets after viewing the showtimes.

Postconditions: The system must direct users to the booking page of the

official cinema website

Priority: High

Flow of Events: 1. For the selected movie, the system displays

detailed showtimes across different cinemas as described in ViewNowShowingInfo use case.

2. The user may click the book ticket button for

his corresponding choice of movie showtime and cinema.

3. The system directs user to the booking page

of the official cinema website depending on the chosen cinema name

Alternative Flows: AF-S3 : 1. If the cinema is GV, the system must direct users to https://www.gv.com.sg/GVBuyTickets#/

2. If the cinema is Cathay, the system must

direct users to https://www.cathaycineplexes.com.sg/showtim es.aspx

3. If the cinema is Shaw, the system must

direct users to https://shaw.sg/Showtimes/

4. If the cinema is Filmgarde, the system must

direct users to https://fgcineplex.com.sg/buyticket

Use Case Template

Use Case ID: 5

Use Case Name:

SearchMovie

Actor: User

Description: This functionality allows user to do direct search for

movies by inputting a movie title

Preconditions: The user must have login to the system using the

Login use case

Postconditions: System displays detailed information for the selected

movie depending on user’s input

Priority: High

Flow of Events: 1. The user clicks the Search button at bottom

navigation bar 2. The system directs user to SearchUI which displays a dropdown list of available movie titles and a dropdown list of dates from today to next 4 days 3. The user may choose any movie from the

dropdown list 4. The user may choose any date from the

dropdown list 5. The system directs user to the movie showtime

page and displays showtimes for the selected movie and selected date

Alternative Flows: AF-S5 :

1. If the user chooses movie title only, the

system directs user to the movie details page for the selected movie. The user may proceed to view showtimes by clicking the View Showtimes button.

2. If the user chooses date only, the system

should not direct user to any page.

Use Case Template

Use Case ID: 6

Use Case Name:

ViewPromotions

Actor: User

Description: This functionality allows user to view the current

promotions across different cinemas

Preconditions: The user must have login to the system using the

Login use case

Postconditions: System displays all available promotions to user

Priority: Medium

Flow of Events: 1. The user clicks the Promotions button at

bottom navigation bar

2. The system directs user to PromotionsUI

which displays ongoing promotions posters and names

3. The user clicks on any of the promotions

posters/names

4. The system directs user to the selected

promotion page and display detailed information for that promotion

Use Case Template

Use Case ID: 7

Use Case Name:

ViewAccountProfile

Actor: User

Description: This functionality allows user to view his/her profile

details based on the gmail account used for login.

Preconditions: The user must have login to the system using the

Login use case

Postconditions: System displays user profile details extracted from

gmail account used for login

Priority: High

Flow of Events: 1. The user clicks the Profile button at bottom

navigation bar 2. The system directs user to ProfileUI which

displays his/her profile details extracted from gmail account used for login

Use Case Template

Use Case ID: 8

Use Case Name:

ViewSupport

Actor: User

Description: This functionality allows user to view help/support

regarding how to use the app

Preconditions: The user must have login to the system using the

Login use case

Postconditions: System displays help/support information to user

Priority: Medium

Flow of Events: 1. User clicks the View Support button at the

ProfileUI 2. System directs user to SupportUI which

displays lists of frequently asked questions about using the application 3. User may click on any of the questions inside

the list 4. The system expands the list and displays

answer to the selected question

Use Case Template

Use Case ID: 9

Use Case Name:

GiveAppReview

Actor: User, Firebase Realtime Database (Participating

Actor)

Description: This functionality allows user to give ratings for the

application

Preconditions: This use case extends ViewSupport use case. It is

invoked whenever the user decides to give rating for the application inside SupportUI.

Postconditions: System displays confirmation message that rating is

submitted

Priority: Low

Flow of Events: 1. User gives rating by clicking the stars scale

button (scale 1-5) in SupportUI 2. The system displays acknowledgement

message indicating the rating that the user has just inputted 3. The user clicks the submit button 4. The system displays confirmation message

that rating is submitted and directs user back to ProfileUI 5. The system stores ratings in Firebase Realtime

Database