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/showtimes.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