a. Black Box Testing

Test Case ID: 001						
Test Priority (Low/Medium/High): High						
Test Title: Login						
Description: To test login authentication						
Pre-Conditions: -						
Step	**Test Steps**	**Test Data**	**Expected Results**	**Actual Results**	**Status (Pass/Fail)**	**Notes**
1	User clicks Sign In button at Login UI		Upon Sign In button is clicked, Firebase Authentication is activated and the user is prompted to enter his gmail address and password	Upon Sign In button is clicked, Firebase Authentication is activated and the user is prompted to enter his gmail address and password	Pass	
2a	User input his gmail address and password	Valid gmail address and valid password	Firebase authentication is successful and user is directed to Profile UI inside Catch Movie App	Firebase authentication is successful and user is directed to Profile UI inside Catch Movie App	Pass	

2b	User input his gmail address and password	Invalid gmail address and valid password	Firebase authentication is not successful and displays error message	Firebase authentication is not successful and displays error message	Pass	
2c	User input his gmail address and password	Invalid gmail address and invalid password	Firebase authentication is not successful and displays error message	Firebase authentication is not successful and displays error message	Pass	
2d	User input his gmail address and password	Valid gmail address and invalid password	Firebase authentication is not successful and displays error message	Firebase authentication is not successful and displays error message	Pass	

Post-conditions:

User is directed to Profile UI inside Catch Movie App upon successful login

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Test Case ID: 002
Test Priority (Low/Medium/High): High
Test Title: Now Showing Movies

Description: To test listing of now showing movies

Pre-Conditions: User must be login, user must be in the main menu

Step	Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)	Notes
1	User clicks on Movie logo on bottom navigation		Upon clicking on the Movie tab, a list of now showing movies will be shown. The list contains an image of the movie and the movie title.	Upon clicking on the Movie tab, a list of now showing movies will be shown. The list contains an image of the movie and the movie title.	Pass	

Post-conditions:

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Test Case ID: 003

Test Priority (Low/Medium/High): High

Test Title: Upcoming Movies
Description: To test listing of upcoming movies

Pre-Conditions: User must be login, user must be in the main menu

Step	Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)	Notes
1	User clicks on Movie logo on bottom navigation		Upon clicking on the Movie tab, a list of now showing movies will be shown. The list contains an image of the movie and the movie title.	Upon clicking on the Movie tab, a list of now showing movies will be shown. The list contains an image of the movie and the movie title.	Pass	
2	User clicks on the drop down menu at the top of the page and selects upcoming movies		Upon selecting upcoming movies, the list will change from Now Showing movies to Up coming movies. The list will contains an image of the movie and the movie title.	Upon selecting upcoming movies, the list will change from Now Showing movies to Up coming movies. The list will contains an image of the movie and the movie title.	Pass	

Post-conditions:

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Test Case ID: 004
Test Priority (Low/Medium/High): High
Test Title: Movie Details
Description: To test movie details of a specific movie

Pre-Conditions: User must be login, user must be in the main menu

Step	Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)	Notes

1	User clicks on Movie logo on bottom navigation		Upon clicking on the Movie tab, a list of now showing movies will be shown. The list contains an image of the movie and the movie title.	Upon clicking on the Movie tab, a list of now showing movies will be shown. The list contains an image of the movie and the movie title.	Pass	
2	User clicks on a movie from the list, for example, “Maleficient”		Upon clicking on the movie, more movie details of the movie will be shown such as language, synopsis, director and cast. There will be a “VIEW SHOW TIMES” button at the bottom of the page for user to click.	Upon clicking on the movie, more movie details of the movie will be shown such as language, synopsis, director and cast. There will be a “VIEW SHOW TIMES” button at the bottom of the page for user to click.	Pass	

Post-conditions:

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Test Case ID: 005
Test Priority (Low/Medium/High): High

Test Title: Movie Show Time
Description: To test movie show time of a specific movie

Pre-Conditions: User must be login, user must be in the main menu

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Step	**Test Steps**	**Test Data**	**Expected Results**	**Actual Results**	**Status (Pass/ Fail)**	**Notes**
1	User clicks on Movie logo on bottom navigation		Upon clicking on the Movie tab, a list of now showing movies will be shown. The list contains an image of the movie and the movie title.	Upon clicking on the Movie tab, a list of now showing movies will be shown. The list contains an image of the movie and the movie title.	Pass	

2	User clicks on a movie from the list, for example, “Maleficient”		Upon clicking on the movie, more movie details of the movie will be shown such as language, synopsis, director and cast. There will be a “view show time” button at the bottom of the page for user to click.	Upon clicking on the movie, more movie details of the movie will be shown such as language, synopsis, director and cast. There will be a “VIEW SHOW TIMES” button at the bottom of the page for user to click.	Pass	
3	User clicks on view show time button at the bottom of the page		Upon clicking on the button, a list of showtime will displayed with the cinema name it will be playing at. There will be buttons on the top indicating the different dates the movie is playing.	Upon clicking on the button, a list of showtime will displayed. With buttons on the top indicating the different dates the movie is playing.	Pass	User will be able to click on the buttons to view differnt showtime for respective dates
4	User clicks on a particular showtime for example “GV Suntec 4:20 PM”		Upon clicking, user will be redirected to the repective cinema booking page. In this case, GV booking page, https://www.gv.com.sg/GVBuyTickets#/	Upon clicking, user will be redirected to the repective cinema booking page. In this case, GV booking page, https://www.gv.com.sg/GVBuyTickets#/	Pass	

Post-conditions:

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Test Case ID: 006
Test Priority (Low/Medium/High): Medium
Test Title: Search by Search Movie
Description: To test search function when user will select just the movie

Pre-Conditions: User must be login, user must be in the main menu

Step	Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)	Notes
1	User clicks on Search logo on bottom navigation		Upon clicking on the Search tab, three buttons display on the screen: Search Movie, Search Date and Search.	Upon clicking on the Search tab, three buttons display on the screen: Search Movie, Search Date and Search..	Pass	

2	User clicks on Search Movie Button		Upon clicking on the Search Movie Button, application displays list of movies which are currently showing.	Upon clicking on the Search Movie Button, application displays list of movies which are currently showing.	Pass	
3	User chooses the movie from the list, for example “Joker”		Upon clicking on element of the list, the Search Movie button changes name to the movie name of chosen movie and hide the list .	Upon clicking on element of the list, the Search Movie button changes name to the movie name of chosen movie and hide the list.	Pass	
4	User clicks on Search Button		Upon clicking on the Search Button, application redirects to movie description of the movie.	Upon clicking on the Search Button, application redirects to movie description of the movie	Pass	

Post-conditions:

User is directed to movie description of chosen movie.

Test Case ID: 007
Test Priority (Low/Medium/High): Medium
Test Title: Search by Search Movie and Search Date
Description: To test search function when user will select both the movie and the date

Pre-Conditions: User must be login, user must be in the main menu

Step	Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)	Notes
1	User clicks on Search logo on bottom navigation		Upon clicking on the Search tab, three buttons display on the screen: Search Movie, Search Date and Search.	Upon clicking on the Search tab, three buttons display on the screen: Search Movie, Search Date and Search..	Pass	
2	User clicks on Search Movie Button		Upon clicking on the Search Movie Button, application displays list of movies which are currently showing.	Upon clicking on the Search Movie Button, application displays list of movies which are currently showing.	Pass	
3	User chooses the movie from the list, for example “Joker”		Upon clicking on element of the list, the Search Movie button changes name to the movie name of chosen movie and hide the list .	Upon clicking on element of the list, the Search Movie button changes name to the movie name of chosen	Pass	

				movie and hide the list.		
4	User clicks on Search Date Button		Upon clicking on the Search Date Button, application displays list of dates from current day till four days.	Upon clicking on the Search Date Button, application displays list of dates from current day till four days.	Pass	
5	User chooses the date from the list, for example “Thu 14 Nov”		Upon clicking on element of the list, the Search Date button changes name to the date’s name of chosen date and hide the list.	Upon clicking on element of the list, the Search Date button changes name to the date’s name of chosen date and hide the list.	Pass	
6	User clicks on Search Button		Upon clicking on the Search Button, application redirects to movie showtime on chosen date of chosen movie.	Upon clicking on the Search Button, application redirects to movie showtime on chosen date of chosen movie.	Pass	

Post-conditions:

User is directed to Movie Showtime of chosen date of chosen movie.

Test Case ID: 008
Test Priority (Low/Medium/High): High
Test Title: Give Rating
Description: To test rating submission in Firebase Realtime Database

Pre-Conditions: User must be login, user must be in the Support UI

Steps	Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)	Notes
1	User clicks the star scale at Support UI		Upon clicking star scale, the app displays a message indicating the rating value that the user just inputted	Upon clicking star scale, the app displays a message indicating the rating value that the user just inputted	Pass	
2	User clicks the Submit Rating button		Rating is stored at Firebase Realtime Database. A new entry is created if the user had never submitted any rating before. The entry is updated if the user	Rating is stored at Firebase Realtime Database. A new entry is created if this was the first rating submission. The entry is updated if the	Pass	

			had submitted rating previously.	user had submitted rating previously.		

Post-conditions:

User is directed to Profile UI after rating submission

Test Case ID: 009
Test Priority (Low/Medium/High): High
Test Title: View Support
Description: To test viewing FAQ

Pre-Conditions: User must be login, user must be in the Profile UI

Steps	Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)	Notes
1	User clicks the View Support button		The app directs user to Support UI and displays lists of questions	The app directs user to Support UI and display lists of questions	Pass	
2	User clicks on the question		The app displays answers to the selected question	The app displays answers to the selected question	Pass	

Post-conditions:

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Test Case ID: 010
Test Priority (Low/Medium/High): High
Test Title: Promotions
Description: To test listing of now movie promotions

Pre-Conditions: User must be logged in; user must be in the main menu page

Step	Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)	Notes
1	User clicks on Promotion logo on bottom navigation		Upon Promotion logo is clicked, the promotion page loads, showing lists of promotions within different categories of promotions.	Upon Promotion logo is clicked, the promotion page loads, showing lists of promotions within different categories of promotions.	Pass	

Post-conditions:

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Test Case ID: 011
Test Priority (Low/Medium/High): High
Test Title: On Click Promotions
Description: To test the display if promotions on click

Pre-Conditions: User must be logged in; user must be in the promotion page						
Step	**Test Steps**	**Test Data**	**Expected Results**	**Actual Results**	**Status (Pass/Fail)**	**Notes**
1	User scrolls vertically on the page		Upon scrolling vertically, different categories of promotions are shown to the user as the user scrolls down in the order of “All Current”, “Discounts”, “Movie Perks”, ”Food and Beverages”, and “Partnerships”.	Upon scrolling vertically, different categories of promotions are shown to the user as the user scrolls down in the order of “All Current”, “Discounts”, “Movie Perks”, ”Food and Beverages”, and “Partnerships”.	Pass	

2	User scrolls horizontally along a category of promotions		Upon scrolling horizontally, thumbnails and names of different promotions in each category is shown to the user	Upon scrolling horizontally, thumbnails and names of different promotions in each category is shown to the user	Pass	
3	User clicks on promotion in promotion list		Upon clicking on promotion, a page pops up and displays the chosen promotion's image, name, and description.	Upon clicking on promotion, a page pops up and displays the chosen promotion's image, name, and description.	Pass	

Post-conditions:

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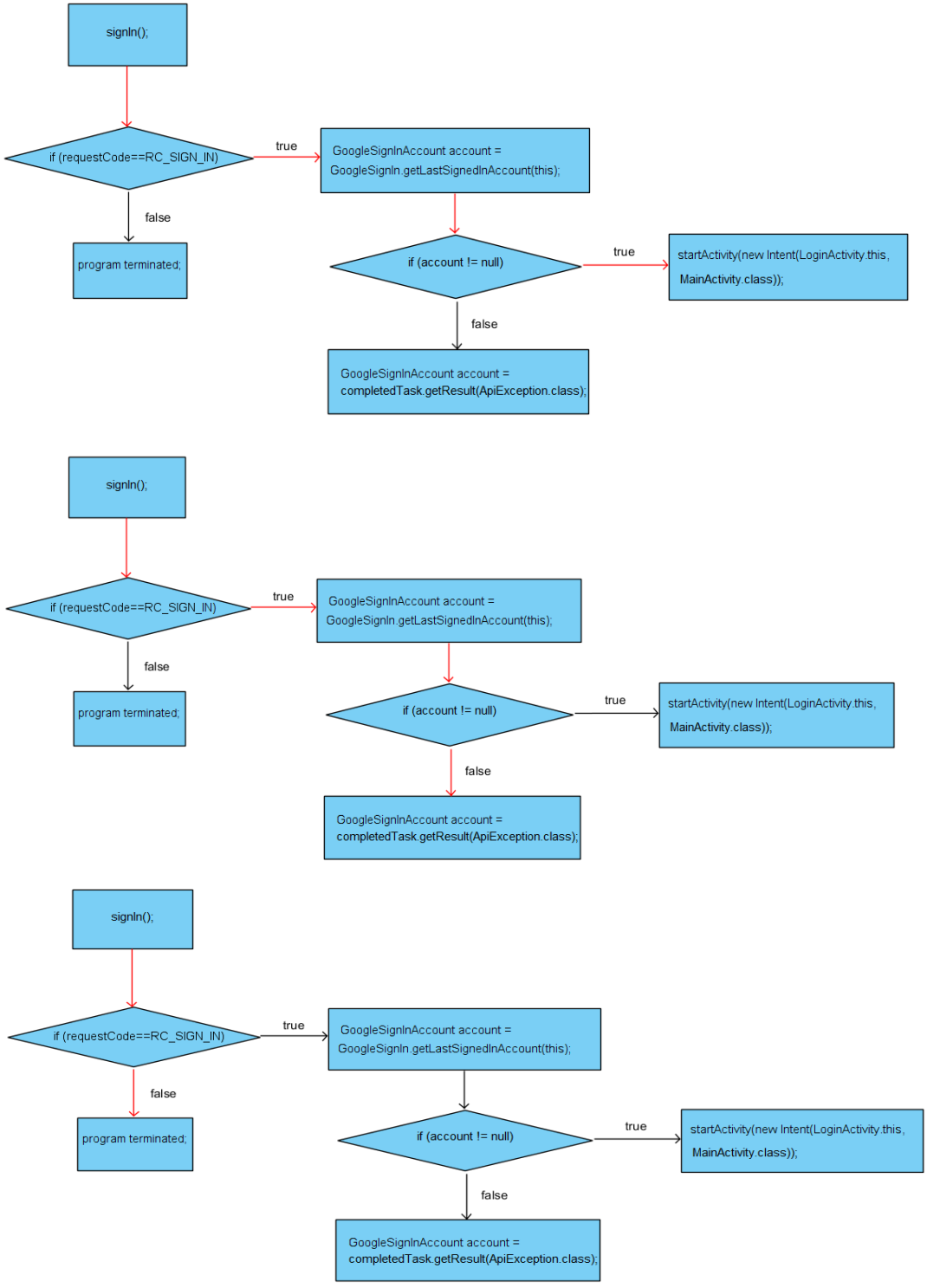
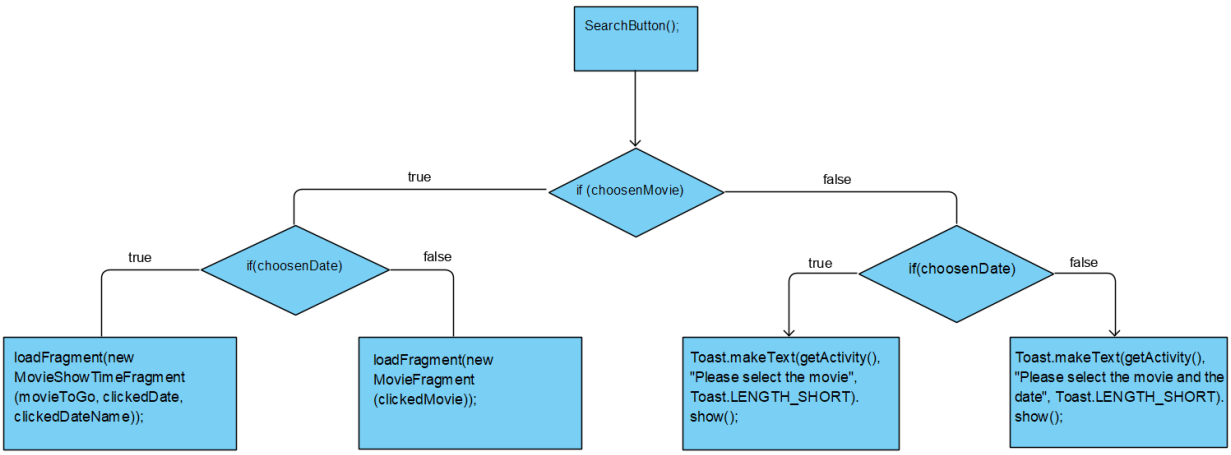
b. White Box Testing

Login



Search Movie