Test Cases & Demo Scripts

for

Open-Jio

Version 4.0

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Revision History

Name	Date	Reason For Changes	Version
Black-box testing	30/8/2022	Created black-box test cases	1.0
Demo script	3/11/2022	Created demo script	2.0
White-box testing	3/11/2022	Created white-box test cases	3.0
Demo video	4/11/2022	Created demo video	4.0
Demo script	6/11/2022	Revision of demo script	4.1

Demo Script

1.   Registration

1.1.   Navigate to sign up

1.2.   Insert Name: *Thomas*

1.3.   Insert Username: *thomas*

1.4.   Insert Email: *thomas@gmail.com*

1.5.   Insert Password: *123456*

1.6.   Choose D.O.B: *1st January 2002*

1.7.   Click on Create Account

1.8.   *Redirected to Home*

2.   Location Permission

2.1.   Allow Permission Access

3.   Edit Profile

3.1.   Navigate to profile

3.2.   Click on Edit Profile

3.3.   Upload photo: *chicken.jpg*

3.4.   Change Description: *I like trains!*

3.5.   Click on Save Changes

3.6.   **Redirected to Profile**

3.7.   Show new profile with name

4.   Home

4.1.   Navigate to Home

4.2.   Show all activities within a 5km radius

4.3.   Show all the filtered activities sorted by time

4.4.   Toggle Hourglass Logo to Location Logo

4.5.   Show all the filtered activities sorted by distance

4.6.   Show the map with the activity markers

5.   Search Activity

5.1.   Input search bar: ball

5.2.   Search by Activity

5.3.   Click on search

5.4.   *Redirected to Search Results*

6.   Activity Actions

6.1.   Save activity: volleyball organised by Caleb

6.2.   Click on activity: football organised by Charles

6.3.   Navigate into the activity

6.4.   Click on Join to request to join

6.5.   Click on Pending to retract request

6.6.   Click on Join to request to join

*6.7.   *Approved by Charles**

6.8.   Click on Leave to leave activity

6.9.   Click on Join to request to join

*6.10.   *Approved by Charles**

7.   Create Activity

7.1.   Navigate to activity creation page

7.2.   Insert Name: *Group Run*

7.3.   Insert Description: *Run with me!*

7.4.   Insert Location: *nanyang community club*

7.5.   Choose Time: *04/11/2022*

7.6.   Insert Maximum capacity: 5

7.7.   Click on Post Activity

7.8.   *Redirected to Home*

8.   Update Activity

8.1.   Navigate to activity page

8.2.   Click on Update

8.3.   Upload Photo: *run.jpeg*

8.4.   Click on Update

8.5.   *Redirected to Activity*

9.   Organised Activity

*9.1.   *Charles, Jayden, Jayden Chua join activity**

9.2.   Reject Jayden

9.3.   Approve Charles, Jayden Chua

9.4.   Remove Charles

9.5.   Navigate to Profile to show number of activities

10.   My Activities

    10.1.   Navigate to My Activities

    10.2.   Navigate to Group Run Activity

11.   Cancel Activity

    11.1.   Click on cancel to cancel activity

    11.2.   *redirected to Home*

12.   Adding Friend

    12.1.   Navigate to softball activity

    12.2.   Click on Caleb

    12.3.   *Redirected to Caleb's Profile page*

    12.4.   Click on add friend

13.   Search User

    13.1.   Input search bar: Jayden

    13.2.   Search by User

    13.3.   Click on search

    13.4.   *Redirected to Search Results*

    13.5.   Click on Jayden Chua

    13.6.   *Redirected to Jayden Chua's Profile page*

14.   Friend Actions

    14.1.   Click on add friend

    14.2.   Navigate to My Friends

    14.3.   *Charles, Jayden Pang send friend requests*

    14.4.   *Reject Jayden Pang*

    14.5.   *Approve Charles*

    14.6.   *Jayden Chua accepts friend request*

15.   Friend's Activities

    15.1.   Navigate to Jayden Chua's Profile

    15.2.   Click on View Activity to view Jayden Chua's upcoming activities

16.   Chat

    16.1.   Navigate to Profile

16.2.   Click on My Chats

*16.3.   *Jayden Chua sends message: hello who are you"*

16.4.   Opens chat with Jayden Chua

16.5.   Reply: were you at soccer yesterday?

*16.6.   *Jayden Chua sends message: it wasn't me lol"*

16.7.   Delete message: were you at soccer yesterday?

17.   Delete Friend

17.1.   Navigate to My Friends

17.2.   Delete Jayden Chua

18.   Logout

18.1.   Navigate to profile

18.2.   Click on Logout

*18.3.   *Redirected to Login page**

Black Box Testing

1. **Functionality: Register Account**
   Boundary values:
   Password length must be >= 6 characters
   Username length must <= 15 characters
   Date of birth at least five years before <= 2017

   a. Generic cases:

Test ID	Test Case	Expected Result	Actual Result
1.a,1	User registers with incomplete input fields	The system prompts the user to enter missing fields	The system prompts the user to enter missing fields
1.a.2	User registers with already registered email	The system displays 'email-already-in-use' error message	The system displays 'email-already-in-use' error message
1.a.3	User registers with password length < 6 characters	The system displays 'weak-password' error message; user prompted to enter password of length >= 6 characters	The system displays 'weak-password' error message; user prompted to enter password of length >= 6 characters
1.a.4	User registers with name, valid username, valid email, password and date of birth	The system directs the user to the home page ui	The system directs the user to the home page ui

   b. Specific cases:

Test ID	Test Case	Expected Result	Actual Result
1.b.1	Input fields: 1. Name: Julie 2. Username: Julie123 3. Email: EMPTY 4. Password: Juser123 5. Date of birth: 26-07-2002 Click on 'Create Account' button	The system prompts the user to enter missing fields	The system prompts the user to enter missing fields
1.b.2	Input fields:	The system	The system

	1. Name: Julie 2. Username: Julie123 3. Email: newuser@gmail.com 4. Password: Juser123 5. Date of birth: 26-07-2002 Click on 'Create Account' button	displays 'email-already-in-use' error message	displays 'email-already-in-use' error message
1.b.3	Input fields: 1. Name: Julie 2. Username: Julie123 3. Email: newuser@gmail.com 4. Password: Juser 5. Date of birth: 26-07-2002 Click on 'Create Account' button	The system displays 'weak-password' error message; user prompted to enter password of length >= 6 characters	The system displays 'weak-password' error message; user prompted to enter password of length >= 6 characters
1.b.4	Input fields: 1. Name: Julie 2. Username: Julie123 3. Email: Julie@gmail.com 4. Password: Juser123 5. Date of birth: 26-07-2002 Click on 'Create Account' button	The system directs the user to the home page ui	The system directs the user to the home page ui

2. Functionality: Logout Account

Steps: Click on user profile -> Click on 'Logout' button

Test ID	Test Case	Expected Result	Actual Result
3.1	User clicks on 'Logout' under 'My Profile'	The system logs out user from application and directs them to 'Login' ui	The system logs out user from application and directs them to 'Login' ui
3.2	User clicks on 'back' after logging out	User is redirected to the login page	User is redirected to the login page

3. Functionality: Reset Password

The user is on the 'Login' UI

Test ID	Test Case	Expected Result	Actual Result
4.1	User clicks on forgot password	User receives an email containing password reset link in his/her registered email	User receives an email containing a password reset link in his/her registered email

4. Functionality: Login Account

a. Generic cases:

Test ID	Test Case	Expected Result	Actual Result
2.a.1	User logs in with incomplete input fields	The system prompts the user to enter missing fields	The system prompts the user to enter missing fields
2.a.2	User logs in with unregistered email or password	The system displays 'user-not-found' error message	The system displays 'user-not-found' error message
2.a.3	User logs in with registered email and password	The system directs the user to the home page ui	The system directs the user to the home page ui

b. Specific cases:

Test ID	Test Case	Expected Result	Actual Result
2.b.1	Input Fields: 1. Email: Julie@gmail.com 2. Password: EMPTY	The system prompts the user to enter missing fields	The system prompts the user to enter missing fields
2.b.2	Input Fields: 1. Email: J@gmail.com 2. Password: JUser123	The system displays 'user-not-found' error message	The system displays 'user-not-found' error message
2.b.3	Input Fields: 1. Email: Julie@gmail.com 2. Password: JUser123	The system directs the user to the home page ui	The system directs the user to the home page ui

5. Functionality: Display activities nearby

Test ID	Test Case	Expected Result	Actual Result
5.1	User lands on 'Home Page' UI and provides location permission	Activities that will happen within 10 km of user's current location will be displayed	Activities that will happen within 10 km of user's current location will be displayed
5.2	User lands on 'Home Page' UI and does not	Upcoming activities within the next five days	Upcoming activities within the next five

	provide location permission	will be displayed	days will be displayed

6. Functionality: Create Activity

The user clicks on the 'Create Activity' button on the navigation bar.

Boundary value:

       I. Date: >= current date

       II. Max capacity >= 1

       III. Description <= 100 character

       IV. Title <= 15 characters

    a. Generic cases:

Test ID	Test Case	Expected Result	Actual Result
8.1	User posts activity with incomplete input fields	User is prompted to enter missing field	User is prompted to enter missing field
8.2	User enters activity title, location, time, maximum capacity	New activity is posted	New activity is posted
8.3	User enters activity image, title, description, location, time, maximum capacity	New activity is posted	New activity is posted

    b. Specific cases:

Test ID	Test Case	Expected Result	Actual Result
8.3	Input fields: 1. Title: Swimming Relay 2. Location: EMPTY 3. Time: 08-11-2022 5:00pm 4. Maximum capacity: 10	User is prompted to enter location	User is prompted to enter location
8.1	Input fields: 1. Title: Swimming Relay 2. Location: NTU SRC 3. Time: 08-11-2022 5:00pm 4. Maximum capacity: 10	New activity is posted	New activity is posted
8.2	Input fields: 1. Image 2. Title: Swimming relay	New activity is posted	New activity is posted

	3. Description: Let's have a replay! 4. Location: NTU SRC 5. Time: 08-11-2022 5:00pm 6. Maximum capacity: 10		

7. Functionality: Update Activity

Steps: Go to 'My activities' -> Under 'Organising activities' click on the activity card that you want to update

a. Generic cases:

Test ID	Test Case	Expected Result	Actual Result
9.1	User deletes required field but does not enter new value	The system prompts the user to enter missing field	The system prompts the user to enter missing field
9.2	User updates any/all activity field(s)	When user clicks on Activity card, updated fields is displayed	When user clicks on Activity card, updated fields is displayed

b. Specific cases:

Test ID	Test Case	Expected Result	Actual Result
9.1	Field edited: 1. Location: NTU SRC → EMPTY	The system prompts the user to enter location	The system prompts the user to enter location
9.2	Field edited: 1. Time: 08-11-2022 5:00 pm → 10-11-2022 5:00 pm	When user clicks on Activity card, updated fields is displayed	When user clicks on Activity card, updated fields is displayed

8. Functionality: Search Activity

Flow of events: The user clicks on the search bar on the Home Page UI and select 'By Activity'

a. Generic cases:

Test ID	Test Case	Expected Result	Actual Result

6.1	User clicks on the search bar on the home page and enters posted activity name	Activities whose title matches the searched title is displayed	Activities whose title matches the searched title is displayed
6.2	User clicks on the search bar on the home page and enters invalid/nonexistent activity name	No activity is displayed	No activity is displayed

b. Specific cases:

Test ID	Test Case	Expected Result	Actual Result
6.1	Input: 1. Badminton 2. Table Tennis	Activities whose title matches the searched title is displayed	Activities whose title matches the searched title is displayed
6.2	Input: 1. Pool	No activity is displayed	No activity is displayed

9. Functionality: Save Activity/ Join Activity/ Withdraw Join Request & Leave Activity (Participant Side)

Test ID	Test Case	Expected Result	Actual Result
10.1	User clicks on 'Save' button on the activity card (Prerequisite: User has not already saved the activity)	Activity is saved and can be viewed under 'My Activities'	Activity is saved and can be viewed under 'My Activities'
10.2	User clicks on 'Join' button on the Activity UI (Prerequisite: User hasn't already joined the activity)	Join request is sent to the organiser and once organiser accepts the request, user is added to the activity	Join request is sent to the organiser and once organiser accepts the request, user is added to the activity
10.3	User clicks on the 'Pending' button on the page of activity which user has previously joined (Prerequisite: User has previously sent join request to organiser)	Join request is withdrawn	Join request is withdrawn
10.4	User clicks on the 'Leave' button on the activity	User is no longer participant of the activity	User is no longer participant of the

	page (Prerequisite: User joined activity and request got approved)		activity

10. Functionality: Approve/ Reject Join Request / Remove Participant & Cancel Activity (Organiser Side)

Test ID	Test Case	Expected Result	Actual Result
11.1	Organiser of an activity receives join request from User A. Organiser clicks on 'Approve' button	User A is now a participant of the activity	User A is now a participant of the activity
11.2	Organiser of an activity receives join request from User A. Organiser clicks on 'Reject' button	User A is is not a participant of the activity	User A is is not a participant of the activity
11.3	Organiser of an activity clicks on the 'Cancel' button on the activity page	Activity is cancelled	Activity is cancelled
11.4	Organiser of an activity clicks on '-' remove participant button	Participant is removed from activity	Participant is removed from activity

11. Functionality: Search User

The user clicks on the search bar on the Home Page UI

a. Generic cases:

Test ID	Test Case	Expected Result	Actual Result
7.1	User enters name of an existing user	User whose name matches searched username is displayed	User whose name matches searched username is displayed
7.2	User enters name that is invalid/nonexistent user	No user is displayed	No user is displayed

b. Specific cases:

Test ID	Test Case	Expected Result	Actual Result
7.1	Input: 　1.　Guo Yong 　2.　yong	User whose name matches searched username is displayed	User whose name matches searched username is displayed
7.2	Input: 　1.　Jacey	No user is displayed	No user is displayed

12. Functionality: Add Friend/ Remove Friend & Approve/ Reject Friend Request
Steps: User A goes to User B's profile

Test ID	Test Case	Expected Result	Actual Result
13.1	User A clicks on "Add friend" button	Status changes to requested Target User will see User's Name under Friend Requests	Status changes to requested Target User will see User's Name under Friend Requests
13.2	User B clicks on "Reject" button (Prerequisite: User A sends a friend request)	Selected User's name is removed from Friend Requests	Selected User's name is removed from Friend Requests
13.3	User B clicks on "Approve" button (Prerequisite: User A sends a friend request)	Selected User's name moves from Friend Requests to Current Friends	Selected User's name moves from Friend Requests to Current Friends
13.4	User A clicks on "Remove friend" button (Prerequisite: User A and User are friends from before)	Selected User's name is removed from Current Friends	Selected User's name is removed from Current Friends

13. Functionality: Edit Profile
Steps: User clicks on 'Edit Profile' under 'My Profile'

a. Generic cases:

Test ID	Test Case	Expected Result	Actual Result
13.1	User deletes required field but does not enter new value	The system prompts the user to enter missing field	The system prompts the user to enter missing field
13.2	User updates any/all activity field(s)	When user views 'My Profile', updated fields are displayed	When user views 'My Profile', updated fields are displayed

b. Specific cases:

Test ID	Test Case	Expected Result	Actual Result
13.1	Input: 1. Username: Julie123 → EMPTY	The system prompts the user to enter missing field	The system prompts the user to enter missing field
13.2	Input: 2. Username: Julie123 → Julie12345	When user views 'My Profile', updated fields are displayed	When user views 'My Profile', updated fields are displayed

14. Functionality: View User's Profile & Friend's Activity

| Test ID	Test Case	Expected Result	Actual Result
14.1	User clicks on 'View Activity' on Friend's profile page (Prerequisite: User must be Friend of the other user)	System displays friend's upcoming participating and organising activities	System displays friend's upcoming participating and organising activities
14.2	User A clicks on User B's card through: 1. Participants list on Activity Page 2. Searching UI after searching for User B 3. User's Friends list UI	System displays User B's Profile	System displays User B's Profile

15. Functionality: Chat

Test ID	Test Case	Expected Result	Actual Result
15.1	User starts chat with no previous Chat History	No messages will be displayed	No messages will be displayed in ChatUI
15.2	User opens chat with existing messages	Previously sent messages will be displayed	Previously sent messages will be displayed
15.3	User sends a message to Friend	Message is instantly displayed in Chat	Message is instantly displayed in Chat

		Window of User and Friend	Window of User and Friend
15.4	User sends a message to non-Friend	Message is instantly displayed in Chat Window of User [Notification is sent to non-Friend]	Message is instantly displayed in Chat Window of User [Notification is sent to non-Friend]
15.5	Friend sends a message to User	Message is instantly displayed in Chat Window	Message is instantly displayed in Chat Window
15.6	User clicks on their message and clicks on 'delete'	Message is deleted	Message is deleted

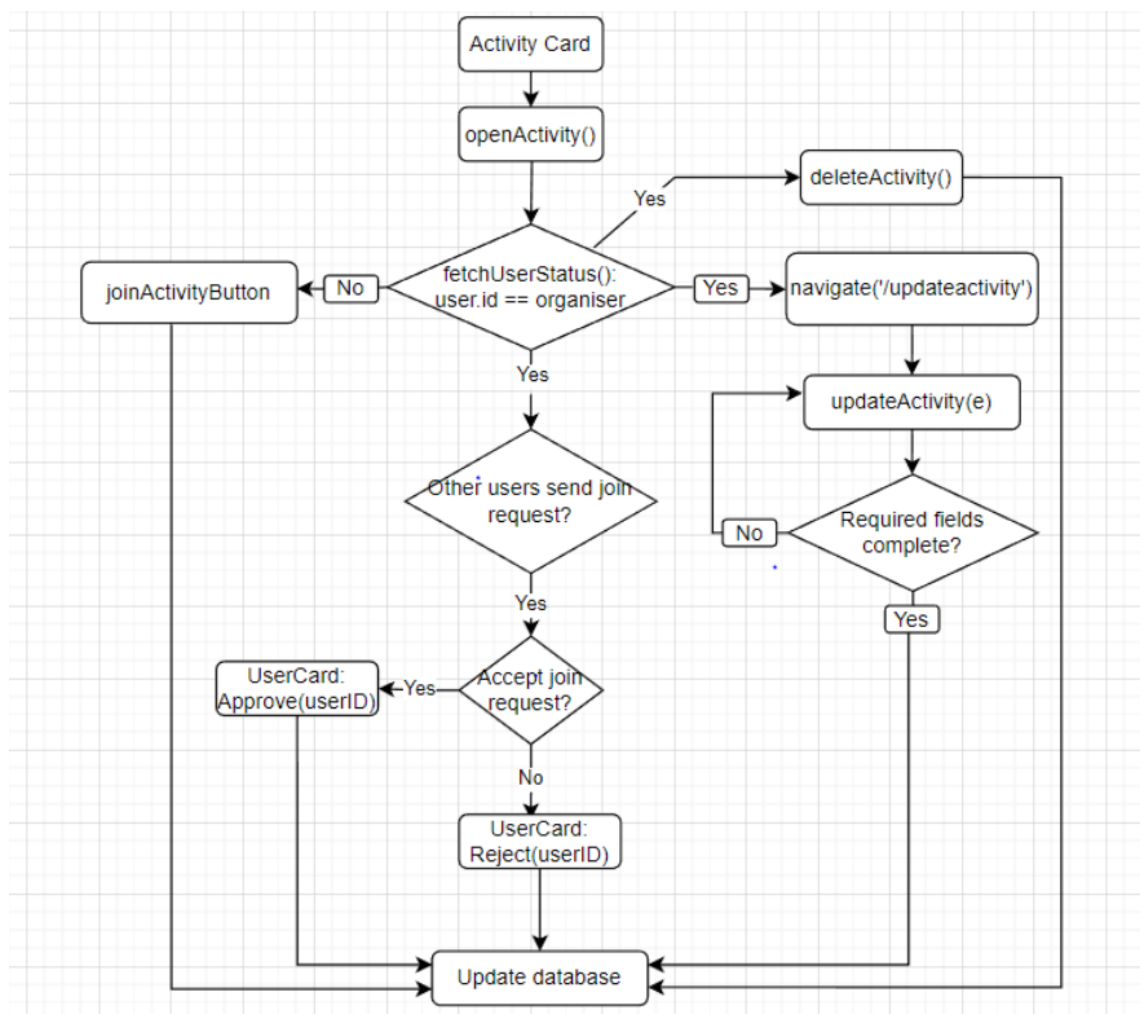# White Box Testing

1. Functionality: Login Account
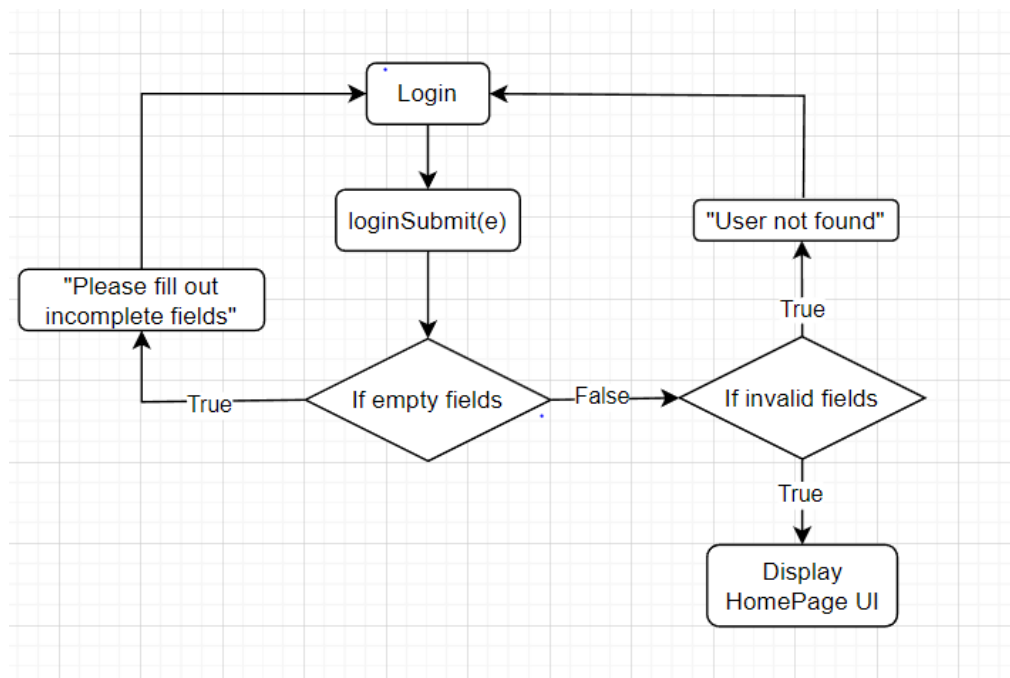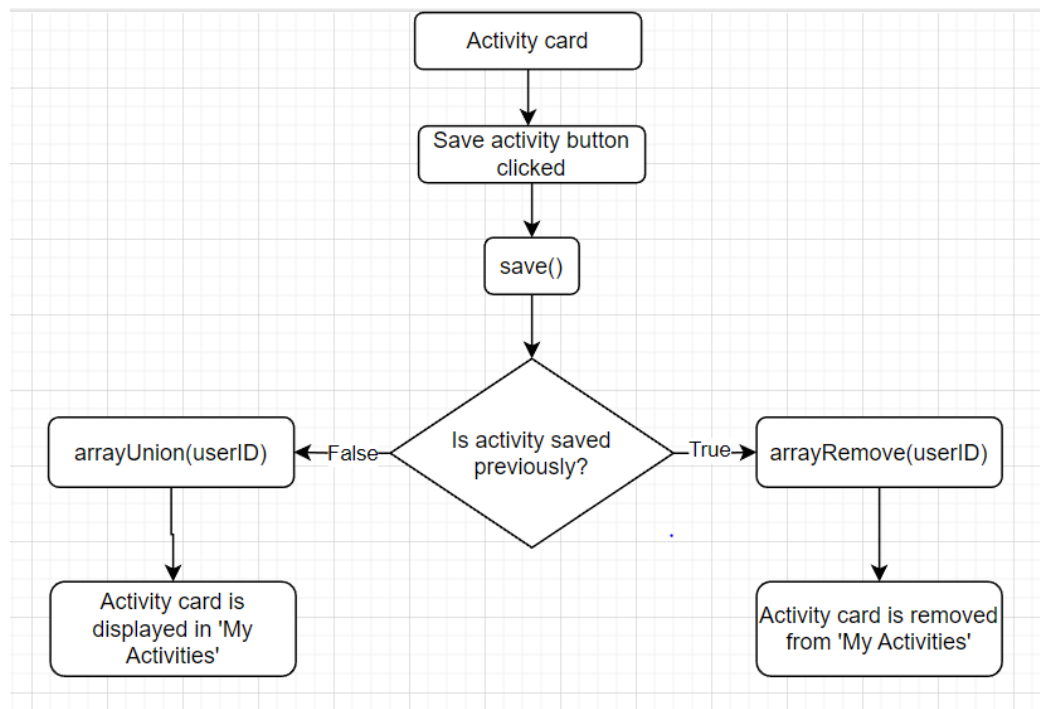

2. Functionality: Register Account
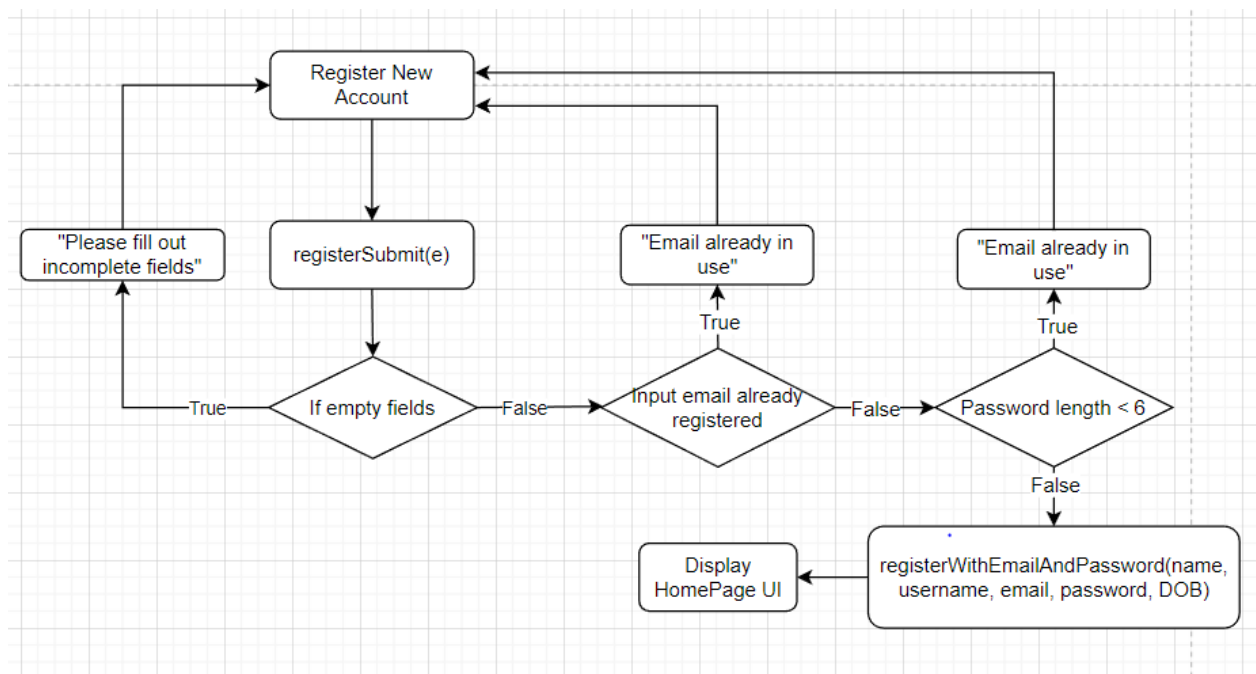
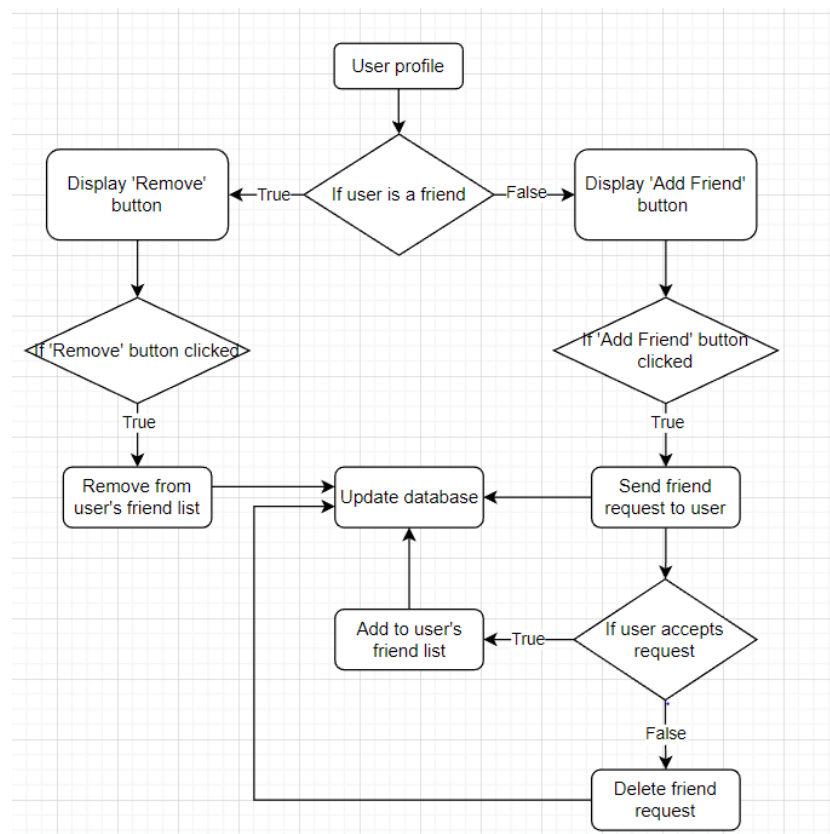### 3. Functionality: Create Activity
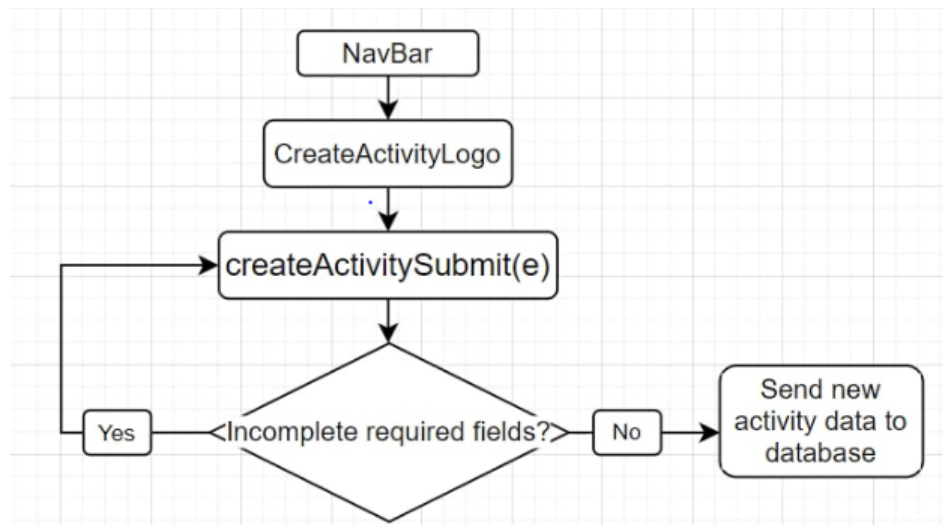
4. Functionality: Join/cancel/update activity and reject/approve join request

5. Functionality: Save/unsave Activity

6. Functionality: Add/remove friend or accept/reject friend request

7. Functionality: Edit profile