Student ID – 46207643, Unit – COMP3130

App Publishing Link –

exp://exp.host/@ashwanthsai/MyMemories?release-channel=default

No additional Changes Made to App. App tested on Windows OS, Pixel 5 API 30.

/** Bugs **/
Registration is broken. Registering users do not work.

/** For Login **/
Please use the following login ids.

1. sampleuser1@gmail.com, pass :123456789
2. sampleuser2@gmail.com, pass :123456789
3. sampleuser3@gmail.com, pass :123456789

1. **User Login, to CRUD data within My memories App.**

Requirement: The system shall allow users to login to the system

User story:

As a user, I want to login to the system so that I can access my home page

Acceptance Criteria

- User tries to log in with valid credentials.
- User tries to log in with an invalid password.
- User tries to log in with a password that has less than 8 characters.
- User tries to login with invalid email address.
- User tries to log in with a username and password fields that are not empty.
- User tries to login with username and password fields which are empty.

Test Details:

TestID: T0

Tester: Ashwanth Sai

Test Setup Steps:

1. Download MyMemories Application
2. Open the application codes in VS Code
3. Create TestScreen.js in Screens folder
4. Use AppTextInput.js component in TestScreen.js
5. Call TestScreen.js from App.js
6. Run npm start

Test Number	Test Purpose	Input Parameters	Actual Data Input	Expected Output	Actual Output	Test Status
T0.01	To test the functionality of the login screen when username and password are entered correctly	Email Address Password	sampleuser1@gmail.com 123456789	The user is redirected to the home page	The user is redirected to the home page	Pass
T0.02	To test the functionality of the login screen with a correct email address and an incorrect password	Email Address Password	sampleuser1@gmail.com 12345678	"Invalid password" error displayed	"Invalid password" error displayed	Pass
T0.03	To test the functionality of the login screen with a correct email address and password less than 8 characters	Email Address Password	sampleuser1@gmail.com 1234	"Password must be atleast 8 characters"	"Password must be atleast 8 characters"	Pass
T0.04	To test the functionality of the login screen with an incorrect email address	Email Password	12345678 1234	"Email must be a valid email"	"Email must be a valid email"	Pass

| T0.05 | To test the functionality of the login screen when both invalid email address, password credentials are used | Email

Password | ramsham@gmail.com
123randomtext | "Invalid email or password" | "Invalid email or password" | Pass |
| T0.06 | To test the functionality of the login screen when both email and password fields are empty | Email

Password | | "Email is required" | "Password is required" | Pass |

Results

- User tries to log in with valid credentials (pass).
- User tries to log in with an invalid password(pass).
- User tries to log in with a password that has less than 8 characters (pass).
- User tries to login with invalid email address (pass).
- User tries to log in with a username and password fields that are not empty(pass).
- User tries to login with username and password fields which are empty(pass).

Final result:
- User is able to login only with the correct credentials, matching text validation rules.

2. Create an Entry in the Data Manager

Requirement: The system shall allow users to create a memory entry (either just text o with both text and image).

User story:
As a user, I want to create a memory entry.

Acceptance Criteria
- User can create a memory entry of only text type.
- User can create a memory entry with both image and text.
- Once a memory has been added, a user should be navigated back to the Home Screen.
- Users can categorize memory entries of type text.
- Users can categorize memory entries of type text and image.
- An item will remain within a data manager when a user logs out and in   again.

Test Details:
TestID: T1.01
Tester: Ashwanth Sai
Test Setup Steps:
1. Download Mymemories Application.
2. Run the application
3. Select login
4.   Login with the account details:
   - Email: sampleuser1@gmail.com
   - Password: 123456789
5. Click on the + Button on the Home Screen

Test Number	Test Purpose	Actions	Expected Output	Actual Output	Test Status
T1.01	To test the functionality of the add button when the user selects add.	Press the add button.	The screen flows from Home Screen to the Add memory Screen. Rendering First, a Text Input Screen Asking for Memory Title Second, a Text Input Screen Memory Description Third, A drop-down menu asking for the category. Fourth, An Image button. Fifth, A button, with title ADD Memory.	The screen does flow from Home Screen to the Add memory Screen. Rendering A Text Input Screen asking for Memory Title, Memory Description, drop-down menu for Category, an Image button, and a button, with title ADD Memory. Appears in the expected output order respectively.	Pass
T1.02.01	To test the functionality of the add entry when user adds a memory of type (only text)	Press the add button. Enter Lorem1 as Memory Title Enter Lorem Ipsum1 as Description. Select School Memories (first option) within category dropdown.	Both Title, Image entry is accepted. Memory entry is accepted on clicking add button.	Both input fields accept text input. Memory entry is accepted on clicking add button.	Pass

		Click Add Button			
T1.02.02	To test the functionality the add entry when user adds a complete entry (both text and image)	Press the add button. Enter Lorem2 as Memory Title. Select any stock photo from android studio as a memory photo. Enter Lorem Ipsum2 as Description. Click Add Button Press the add button.	Title, Image, and Description entry is accepted. Memory entry is accepted on clicking add button.	All entries, namely Title, Image and Description entry are accepted respectively. Memory entry is accepted on clicking add button.	Pass
T1.03	To test the functionality of the add entry for navigation when a memory entry is made.	Test should occur for (All sub tests) during T1.02 Navigate back to the Home screen.	Screen should navigate to home screen with the added entry on top.	Screen does navigate to home screen, with appropriate memory entry on the top.	Pass
T1.04.01	To test the functionality of sorting into different categories, when a memory entry is added (type only text)	Test should occur for (All sub tests) during T1.02 Select a different category each time, when adding a memory. On Adding, Navigate back to the Home screen with	Screen should navigate to home screen with the added entry on top with the appropriate category selection.	Screen does navigate to home screen with the added entry on top with the appropriate category selection.	Pass

		added card on top with the correct category selection.			
T1.04.02	To test the functionality of sorting into different categories, when a memory entry is added (type both text and image)	Test should occur for (All sub tests) during T1.02 Select a different category each time, when adding a memory. On Adding, Navigate back to the Home screen with added card on top with the correct category selection.	Screen should navigate to home screen with the added entry on top with the appropriate category selection.	Screen does navigate to home screen with the added entry on top with the appropriate category selection.	Pass
T1.05	To test the ordering of memory entries within the home screen.	Test should occur for (All sub tests) during T1.04	Add Five entries of a particular type with an order number within the memory title (ordering should increase from one to five for each memory). After final entry, the order of memory entries appearing in the home screen should start from five and end at one.	Memory entries appear in the correct ordering. With the last entry appearing at the top of Home Screen.	Pass

T1.06	To test the functionality of the Add Memory Entry. After a user has logged out and in again.	Navigate to the settings tab. Log the user out. Log the user in with the same credential given during setup.	The Home Screen shows entry with Title – Lorem2, Description Lorem Ipsum 2, stock picture with category of school memories. The next entry, is of Title – Lorem with no image and description Lorem of category school memories	The entries appear in the appropriate order.	Fail. Added Memory Entry does not appear.

Results:
- User can create a memory entry of only text type (pass).
- User can create a memory entry with both image and text (pass).
- Once a memory has been added, a user should be navigated back to the Home Screen (pass).
- Users can categorize memory entries of type text (pass).
- Users can categorize memory entries of type text and image (pass).
- User entries appear in the appropriate order, with the last made entry at the top (pass).
- An item will remain within a data manager when a user logs out and in again (fail).

Final result:
- User is able to add entries that belong to them (pass)
- Data Manager is cleared when logging out everytime. Some bug to be fixed here(failed)

3. <u>Read an Entry in the Data Manager</u>

Requirement: The system shall allow users to read memory entries within the home screen.

User story: As a user, I want to read a memory entry.

Acceptance Criteria
- User can read memory entries within the home screen of type only text.
- User can read memory entries within the home screen of type both text and image.
- Users can read dummy memory entries within the home screen.
- Users can limit view of memory entries by using the filter button.

Test Details:

TestID: T2

Tester: Ashwanth Sai

Test Setup Steps:

1. Download Mymemories Application.
2. Run the application
3. Select login
4. Login with the account details:
   - Email: sampleuser2@gmail.com
   - Password: 123456789

Test Number	Test Purpose	Actions	Expected Output	Actual Output	Test Status
T2.01	To test the ability of the user to read dummy memory entries when logging in first time.	Navigate to the settings screen. Click logout. Sign in with the credentials given during the setup.	Three dummy entries of title My Uni Memories[Number] of category college memories appears in the increasing order of one to three respectively.	Three dummy memory entries appear in the increase order respectively.	Pass
T2.02	To test the ability of the user to read user made memory entry of type only text.	Press the add button. Add Memory with Only Title and Description, Screen Navigates to Home Screen.	The appropriate memory card appears with the correct title and description. The placement of title, description is in the correct spot, can be read clearly by the user.	The appropriate memory card appears with the correct title and description. The placement of title, description appears in the correct spot, can be read clearly by the user.	Pass
T2.03	To test the ability of the user to read user made memory entry with type both text and image	Press the add button. Add Memory with Title, description sand image. Screen Navigates to Home Screen.	The appropriate memory card appears with the correct title, image, and description. The placement of title, image description is in the correct spot, can be read clearly by the user.	The appropriate memory card appears with the correct title, image, and description. The placement of title, image description is in the correct spot, can be read clearly by the user.	Pass

T2.04	To test the filter functionality within the home screen	Add Three Memory Entries of only type text, both text and images for all five different categories respectively (45 Memory Entries) Click on the filter button in the home screen, select an appropriate category,	Three Memory Entries with only text and Three memory entries with both text and image only appear when selecting a particular category within the home screen. The last added entry appears first. This is consistent for all five categories.	6 Entries in the appropriate order appear when selecting a particular category. This is consistent for all five categories.	Pass

Results:
- User can read memory entries within the home screen of type only text (pass).
- User can read memory entries within the home screen of type both text and image (pass).
- Users can read dummy memory entries within the home screen (pass).
- Users can view limited memory entries by using the filter button (pass).

Final result:
- User is able to read entries within the home screen(pass)

4. [Update an Entry in the Data Manager](#)

Requirement: The system shall allow users to update memory entries within the home screen.

User story:

As a user, I want to update a memory entry.

Acceptance Criteria
- User can update Title of memory entries.
- User can update Description of memory entries.
- User can update both title, description of memory entries..
- User can remove images associated with memory entries.
- User can recategorize memory entries within the home screen.

Test Details:

TestID: T3

Tester: Ashwanth Sai

Test Setup Steps:

1. Download Mymemories Application.
2. Run the application
3. Select login
4. Login with the account details:
   - Email: sampleuser1@gmail.com
   - Password: 123456789

Test Number	Test Purpose	Actions	Expected Output	Actual Output	Test Status
T3.01	To test the edit functionality to check whether Memory Entry Title can be updated.	Within the Home Screen, Click on the edit button of a memory card. Within the update memory screen, Amend the Memory Title. Navigation flows back to the Home Screen.	The card is updated with new Title.	The card updates with necessary changes .	Pass
T3.02	To test the edit functionality to check whether Memory Entry Description can be updated.	Within the Home Screen, Click on the edit button of a memory card with both text and image. Within the update memory screen, Amend the Memory Description. Navigation flows back to the Home Screen.	The card is updated with necessary changes.	The card updates with necessary changes.	Pass

| T3.03 | To test the edit functionality to check whether Memory Entry Description and Title can be updated. | Within the Home Screen, Click on the edit button of a memory card with both text and image.

Within the update memory screen, Amend the Memory Title and Description.

Navigation flows back to the Home Screen. | The card is updated with necessary changes. | The card updates with necessary changes. | Pass |
|---|---|---|---|---|---|
| T3.04.01 | To test the functionality to update images within a Memory entry of type only text. | Test should occur for (All sub tests) during T3.02

Within the Home Screen, Click on the edit button of a memory card with only text. Within the update memory screen, click on the image button and select a new image.

Navigation flows back to the Home Screen. | The card should appear with the new image, | The card appears updated with necessary changes. | Pass |
| T3.04.02 | To test the functionality to update images within a Memory entry of type both text and image. | Test should occur for (All sub tests) during T3.03

Within the Home Screen, Click on the edit | The card should appear with the new image, | The card appears updated with necessary changes. | Pass |

		button of a memory card with both text and image. Within the update memory screen, click on the image button and select a new image. Navigation flows back to the Home Screen.			
T3.05	To test the functionality of the category button while editing a memory, to recategorize.	Click on a particular memory entry, recategorize to a different category. Navigation should flow to home screen.	The card which was recategorized should appear in the home screen with the selected category.	Recategorized card appears with the appropriately selected category within the home screen,	Pass

Results:
- User can update Title of memory entries (pass).
- User can update Description of memory entries (pass).
- User can update both title, description of memory entries (pass).
- User can remove images associated with memory entries (pass).
- User can recategorize memory entries within the home screen(pass).

Final result:
- User is able to edit memory cards within the home screen

5. [Delete an Entry in the Data Manager](#)

Requirement: The system shall allow users to delete memory entries within the home screen.

User story:

As a user,
I want to delete a memory entry.

Acceptance Criteria
- User can delete memory entries within the home screen.
- Deleted Cards do not re-appear when sort button is used.
- Deleted Cards do not re-appear when user out and in again.
- Deleted Cards do not appear on navigating, to and fro to the profile screen.

Test Details:

TestID: T5
Tester: Ashwanth Sai

Test Setup Steps:

1 Download Mymemories Application.
2 Run the application
3 Select login
4 Login with the account details:
- o   Email: sampleuser1@gmail.com
- o   Password: 123456789

Test Number	Test Purpose	Actions	Expected Output	Actual Output	Test Status
T4.01	To test the functionality to delete memory entries in the home screen.	In the Home Screen, select a Particular Memory Entry, click on the delete button.	The particular card is removed, the card below is pushed upwards	The particular card is removed, the card actually does move upwards	Pass
T4.02	To test if the functionality of sort conflicts after a card is deleted.	Add five cards of a particular category in the home screen. Delete a card in random. Click on the sort button and sort to particular category.	The removed card should not appear on filtering to category.	The removed card does not appear on filtering to particular category.	Pass
T4.03	To check if deleted cards re appear after user logs out and logins in.	Click on the profile option. Click log out. Login with the same credentials. Check if the card that was deleted above re appears.	The deleted card should not appear in the home screen.	The deleted card does not appear in the home screen.	Pass
T4.04	To check whether deleted cards re appear on changing screens.	While on the home screen, click on the profile option Screen navigates to the profile option. Click on the back button	The deleted card should not appear in the home screen.	The deleted card does not appear in the home screen.	Pass

		on the top left to navigate backwards.			

Results:
- User can delete memory entries within the home screen.
- Deleted Cards do not re-appear when sort button is used.
- Deleted Cards do not re-appear when user out and in again.
- Deleted Cards do not appear on navigating, to and fro to the profile screen.

Final result:
- User is able to delete entries within the home screen.

Regression Tests (Skipped)

Adding Jest to project breaks it. Some form of dependency between files, wasted two days. Could not figure it out.