

A dark blue vertical bar runs down the left side of the page. A blue arrow points to the right from the bar, containing the date.

5/22/2022

Testing Document

COMP3130 – A2

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Rajiv Mehta
45433062

1 REQUIREMENT: THE SYSTEM SHALL ALLOW USERS TO ADD AN ENTRY/MEMORY

User Story:

As a user, I want to add new entries so that I can store more memories.

Acceptance Criteria:

- User will be able to create a new memory. (Pass)
- User will be able to select a category when adding a new memory. (Pass)
- User will be able to change the chosen category before submitting the memory. (Pass)
- User will be able to submit a memory without selecting a category. (Pass)
- User will be able to give a title to the memory being created. (Pass)
- User will be able to change the title before submitting the memory. (Pass)
- User will be able to submit a memory without entering a title. (Pass)
- User will be able to upload an image. (Pass)
- User will be able to change the photo uploaded before submitting the memory. (Pass)
- User will be able to submit a memory without uploading an image. (Pass)
- User will be able to submit a duplicate memory. (Pass)
- If an entry is submitted the entry will be saved to the user's profile. (Pass)
- If an entry is submitted the entry will display on the 'memories' screen. (Pass)
- If an entry is submitted the user will be taken to the 'memories' screen. (Pass)

TESTID: T1.01

- Tester: Rajiv Mehta
- Test Setup Steps:
 1. Download Memories Application
 2. Run the application
 3. Login with account details:
 - Email: N@gmail.com
 - Password: 1234
 4. Click the '+' symbol
 5. Click the 'Categories' drop down.
 6. Select a Category
 7. Click the 'Title' and input a title for the memory
 8. Click 'Upload Photo' and approve permission to access photos.
 9. Select an image.
 10. Click 'submit'
 11. Select the menu icon
 12. Select Logout
 13. Login with account details:
 - Email: A@gmail.com
 - Password: 2345
 14. Select the menu icon
 15. Select Logout
 16. Login with account details:
 - Email: N@gmail.com
 - Password: 1234

Test Number	Test Purpose	Actions	Expected Output	Actual Output	Test Status
T1.01.01	To test the functionality if the user can successfully create a new memory	Following the test setup steps presented in TestID: T1.01	The user should be sent to the 'memories' screen and the memory created displays on the screen	The user is sent to the 'memories' screen and the memory created is displayed on the screen	Pass
T1.01.02	To test the functionality of the categories button for the initial selection of a category	Selecting the categories button and selecting a category	The screen should display a list of categories and when the user selects a category the selected category should display on the button	The list of categories was displayed initially and when a category was selected the selected category was displayed	Pass
T1.01.03	To test the functionality of the categories button for the changing of a category	Selecting the categories button and selecting a category, then repeat the steps selecting a different category	The screen should display the updated selected category	The screen displayed the updated category	Pass
T1.01.04	To test the functionality of being able to create a memory without selecting a category	(Optional) Fill out Text-Input and (Required) upload an image and submit memory.	The user should move to the memories screen and memory should be added	The user is moved to the memories screen and the memory was displayed	Pass
T1.01.05	To test the functionality of the 'text-input' for the title with no existing value	Select the Text-Input option for the Title and type in a value.	The Text-Input box should display the text written	The Text-Input box displayed the correct text	Pass
T1.01.06	To test the functionality of the 'text-input' for the title with an already existing value	Select the Text-Input option for the Title and type in a value. Deselect the field and then reselect the	The Text-Input box should display the updated text written	The Text-Input box displayed the correct text	Pass

		Text-Input and edit the text.			
T1.01.07	To test the functionality of being able to create a memory without giving a title	(Optional) Select a category and (required) upload an image and submit memory.	The user should be taken back to the memories screen and the memory should be displayed without a title.	On submit, the user is taken to the memories screen and the memory created is displayed without the title.	Pass
T1.01.08	To test the functionality of the 'upload photo' button with no initial photo set	Select the 'Upload photo button'	The phone permission should pop up followed by the image picker. The user can then select an image and it will display on the screen below the upload button	The permission system popped up and the image picker was allowed to select an image. The picture was then displayed and became a part of the button.	Pass
T1.01.09	To test the functionality of the 'upload photo' button when a photo has already been selected	Select the 'Upload photo button' then reselect the photo	The image picker should pop up and then when a new photo is selected it replaces displays the new photo	The image picker opens, and the selected image replaces the previous selected image	Pass
T1.01.10	To test the functionality of being able to submit a memory when no photo has been uploaded.	Select the submit button without using the 'upload photo' button	A blank white space should be added to where the memory should be located.	An error message appears saying that an image is required	Fail
T1.01.11	To test if the user can submit a memory with the exact details of a memory that	Repeating steps 4 – 10 in the test setup steps presented in TestID: T1.01 using the same	Both the original and duplicate memory should display on the memories screen	Both original and duplicated memory both display on the memories screen.	Pass

	has already been created.	inputs as the original test			
T1.01.12	To test if the data manager stores the correct memory	Following the test setup steps presented in TestID: T1.01	When the user re logs into the same account memories that were created on that account should display	When the user logged out and logged back in after creating a memory, the memory still existed	Pass
T1.01.13	To test if the 'submit' button navigates to the 'memories' screen	Fill out the fields and then click 'submit'	The user should navigate to the memories screen	The user navigated to the memories screen after clicking submit	Pass

Results:

- User will be able to create a new memory. (Pass)
- User will be able to select a category when adding a new memory. (Pass)
- User will be able to change the chosen category before submitting the memory. (Pass)
- User will be able to submit a memory without selecting a category. (Pass)
- User will be able to give a title to the memory being created. (Pass)
- User will be able to change the title before submitting the memory. (Pass)
- User will be able to submit a memory without entering a title. (Pass)
- User will be able to able to upload an image. (Pass)
- User will be able to change the photo uploaded before submitting the memory. (Pass)
- User will be able to submit a memory without uploading an image. (Fail)
- User will be able to submit a duplicate memory. (Pass)
- If an entry is submitted the entry will be saved to the user's profile. (Pass)
- If an entry is submitted the entry will display on the 'memories' screen. (Pass)
- If an entry is submitted the user will be taken to the 'memories' screen. (Pass)

Final Result:

- Users are able to add entries/memories to their accounts.
- Users are not able to add entries/memories that do not contain an image.

2 REQUIREMENT: THE SYSTEM SHALL ALLOW USERS TO VIEW MEMORIES

User Story:

As a user, I want to be able to read memories that I have added.

Acceptance Criteria:

- User will be able to view memories that they have created. (Pass)
- New user will be able to view memories that they have created. (Pass)
- User will be able to log out and log in to view memories. (Pass)
- User will be able to view multiple memories (Pass)
- User will be able to view memories on other accounts. (Fail)
- User will be able to view memories via the assigned categories. (Pass)
- User will be able to view memories from oldest to newest. (Pass)
- User will be able to view memories from newest to oldest. (Pass)

TESTID: T2.01

- Tester: Rajiv Mehta
- Tester Setup Steps:
 1. Download Memories Application
 2. Run the application
 3. Click 'Register'
 4. Fill in the fields using the following details
 - Username: Test
 - Email: T@gmail.com
 - Password: 1234
 - Upload Photo: Any photo available
 5. Click the '+' symbol
 6. Click the 'Categories' drop down.
 7. Select a Category
 8. Click the 'Title' and input a title for the memory
 9. Click 'Upload Photo' and approve permission to access photos.
 10. Select an image.
 11. Click 'submit'
 12. Click the 'categories' button
 13. Select a category to sort photos by
 14. Select the Menu button
 15. Select Logout
 16. Login in using the following details:
 - Email: T@gmail.com
 - Password: 1234

Test Number	Test Purpose	Actions	Expected Output	Actual Output	Test Status
T2.01.01	To test if the user can see memories	Following test setup steps 1 - 11 presented in TestID: T2.01	An entry/memory should be displayed in the memories screen	User can see a created memory on the memories screen	Pass
T2.01.02	To test if the new user can see new memories	Following test setup steps 1 - 11 presented in TestID: T2.01	An entry/memory should be displayed in the memories screen	User can see a created memory on the memories screen	Pass
T2.01.03	To test if a returning user can view previously created memories	Following test setup steps 1 - 16 presented in TestID: T2.01	Memories previously created should be displayed in the memories screen	All created memories are displayed on the screen	Pass
T2.01.04	To test if the user can view memories other users have made	Following tests setup steps 1-16 in TestID: T2.01	The Memories screen should only display memories belonging to the current user	The user could not see memories that other users have made.	Pass
T2.01.05	To test if the user can filter between categories	Click the 'Category' button and select a category	Memories belonging to that category should only display on the memories screen	The category button does not exist	Fail
T2.01.06	User can sort memories from oldest to newest	Click the 'sort' button to switch from the oldest to the newest	Memories should be displayed in descending order from the oldest entries at the top to the newest entries at the bottom	The filter button does not exist, but the program is automatically ordered from oldest to newest	Pass
T2.01.07	User can sort memories from newest to oldest	Click the 'sort' button to switch from the newest to the oldest	Memories should be displayed in descending order from the newest entries at the top to	The filter button does not exist so the view cannot be sorted from newest to oldest	Fail

			the oldest entries at the bottom		
T2.01.08	User can scroll through multiple memories to view more memories	Create 16 memories using steps 5-11 in TestID: T2.01	The memories list on the screen should be scrollable so all titles and images are displayed on the screen	The user is able to see all titles and pictures on the screen through scrolling	Pass

Results:

- User will be able to view memories that they have created. (Pass)
- New user will be able to view memories that they have created. (Pass)
- User will be able to log out and log in to view memories. (Pass)
- User will be able to view multiple memories (Pass)
- User will be able to view memories on other accounts. (Fail)
- User will be able to filter memories via the assigned categories. (Fail)
- User will be able to view memories from oldest to newest. (Pass)
- User will be able to view memories from newest to oldest. (Fail)

Final Result:

- The users can view the memories they have created.
- The user can login and out of an account and view memories created before.

3 REQUIREMENT: THE SYSTEM SHALL ALLOW THE USER TO UPDATE THEIR ACCOUNT DETAILS

User Story:

As a user, I want to be able to edit my account details to change the username, password, and display picture.

Acceptance Criteria:

- User will be able to change their username. (Pass)
- User will be able to change their account password. (Pass)
- User will be able to change their display photo for their account. (Pass)
- User will be able to login with their updated account details. (Pass)
- User will be able to login with their old account details. (Fail)
- The profile screen will showcase updated details. (Pass)

TESTID: T3.01

- Tester: Rajiv Mehta
- Test Setup Steps:
 1. Download Memories Application
 2. Run the application
 3. Login with account details:
 - Email: N@gmail.com
 - Password: 1234
 4. Select the 'Menu' button
 5. Select the 'Profile' button
 6. Select the 'Edit' button
 7. Select the 'Username input' and enter 'Test'.
 8. Select the 'Password input' and '5678'.
 9. Select the 'Image' and select a new image.
 10. Click 'Submit'
 11. Click the 'header arrow' to return to the menu.
 12. Select 'Logout'
 13. Login with account details:
 - Email: N@gmail.com
 - Password: 5678
 14. Select the 'Menu' button
 15. Select the 'Profile' button

Test Number	Test Purpose	Actions	Expected Output	Actual Output	Test Status
T3.01.01	To test if the user can enter a new username	Select the 'Username' input field.	The form should display the updated value	Form does not display updated details	Fail
T3.01.02	To test if the user can enter a new password	Select the 'password' input field	The form should display the updated value	Form does not display updated details	Fail
T3.01.03	To test if the user can select a new display photo	Select the 'select photo' field	The form should display the updated value	Form does not display updated details	Fail
T3.01.04	To test if the profile screen will display an updated username	Follow steps 1-15 outlined in TestID: T3.01	The profile screen should display the updated value	The profile screen does not display updated values	Fail
T3.01.05	To test if the profile screen will display an updated display photo	Follow steps 1-15 outlined in TestID: T3.01	The profile screen should display the updated value	The profile screen does not display updated values	Fail
T3.01.06	To test if the user can log in with the updated details	Follow steps 1-13 outlined in TestID: T3.01	The user should sign into the correct account with updated details	The user cannot log in with updated details	Fail
T3.01.07	To test if the user can see the memories created before the change in details	Follow steps 1-14 outlined in TestID: T3.01	The user should be able to see all memories created on the previous details	The user can see all the memories that were created with the previous log in details	Pass

T3.01.08	To test if the user can log in with their old account details if the password has changed	Follow steps 1-13 outlined in TestID: T3.01, then login with the details provided in Step 3	The user should not be able to log in with the old details.	The user can log in with the old details.	Fail
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Results:

- User will be able to change their username. (Fail)
- User will be able to change their account password. (Fail)
- User will be able to change their display photo for their account. (Fail)
- User will be able to login with their updated account details. (Fail)
- User will be able to login with their old account details. (Fail)
- The profile screen will showcase updated details. (Fail)

Final Result:

- The update function on the system is not operational and the user cannot update their account details when they are created.

4 REQUIREMENT: THE SYSTEM ALLOWS THE USER TO DELETE THEIR ACCOUNT

User Story:

As a user, I want to be able to delete my account if I no longer want to use the application.

Acceptance Criteria:

- User is able to delete their account. (Pass)
- User is moved to the welcome screen on the deletion of the account. (Pass)
- User is able to log in to their account after it has been deleted (Fail)
- User is able to view memories of a deleted account (Fail)
- User is able to register an account using the details of a deleted account (Pass)
- User is able to see memories of a deleted account if registering with the same details (Fail)
- User is able to recover a deleted account (Fail)

TESTID: T4.01

- Tester: Rajiv Mehta
- Test Setup Steps:
 1. Download Memories Application
 2. Run the application
 3. Login with account details:
 - Email: N@gmail.com
 - Password: 1234
 4. Select the 'Menu' button
 5. Select the 'Profile' button
 6. Select the 'Delete Account' button
 7. Confirm the deletion of the account
 8. Try to log in with the following account details:
 - Email: N@gmail.com
 - Password: 1234
 9. If an error message occurs, select the register button.
 10. Enter the following details on the registration form:
 - Username: "Obi-wan"
 - Email: N@gmail.com
 - Password: 1234
 - Upload photo: {Any image}
 11. Select the submit button.

Test Number	Test Purpose	Actions	Expected Output	Actual Output	Test Status
T3.01.01	To test if the user can delete their account	Navigate to the profile screen, select the delete button and confirm deletion	User should be navigated to the welcome screen and will become unable to login with their deleted account details	Delete Button has not been implemented therefore, no action is performed.	Fail
T3.01.02	To test if the user is successfully moved to the welcome screen when their account is deleted.	Navigate to the profile screen, select the delete button and confirm deletion	User should be navigated to the welcome screen	Delete Button has not been implemented therefore, no action is performed.	Fail
T3.01.03	To test if there is a delete confirmation when the 'delete account' button is pressed.	Navigate to the profile screen, select the delete button	A pop-up should appear to ask for deletion confirmation	Delete Button has not been implemented therefore, no action is performed.	Fail
T3.01.04	To test if the user can log in with the details of a deleted account	Follow steps 1-8 outlined in TestID: T4.01	User will get a pop up stating that login details are incorrect	As the delete function does not work the user can sign in with the old details	Fail
T3.01.05	To test if the user can register with the details of a deleted account	Follow steps 1-11 outlined in TestID: T4.01	User will be able to register with the old details and will be sent to the memories screen	As the delete function does not work the user can still register with the same details causing a duplication error	Fail
T3.01.06	To test if a registered account with the same details can see the memories of the original account	Follow steps 1-11 outlined in TestID: T4.01	The user should not be able to see memories of the deleted account	As the delete function does not work the user can see all the previous memories created.	Fail

T3.01.07	To test if another account can view the memories of a deleted user	Follow steps 1-7 outlined in TestID: T4.01. Register a new account using the register button and fill out the fields with new information.	The user memories screen should not display any images.	The user cannot see the memories of any other deleted user	Pass
T3.01.08	To test if another user can delete another user's account	Action is not possible	The user is not able to delete the account of another user	The user has no method of deleting another user's account.	Pass

Results:

- User is able to delete their account. (Fail)
- User is moved to the welcome screen on the deletion of the account. (Fail)
- User is able to log in to their account after it has been deleted (Fail)
- User is able to view memories of a deleted account (Fail)
- User is able to register an account using the details of a deleted account (Fail)
- User is able to see memories of a deleted account if registering with the same details (Fail)
- User is able to recover a deleted account (Fail)

Final Result:

- The delete function on the application is not functional and requires further implementation and testing.

5 REGRESSION TESTS

The first regression test that was implemented was a snapshot of the 'Registration' screen. The snapshot test is used to make sure that there are no unexpected changes from the desired User-Interface design. It achieves this by first taking a snapshot of the image that is being edited in its current state. When a developer makes a change that affects the User-Interface and the test is run, then the test will fail, notifying the developer of any changes. The developer can then decide if the current look of the screen is better than the previous and if so, the testing screen can be updated with the current. If not, the developer has a record of the previous screen and can revert to the original design. This also helps developers meet requirements set out by the team and users as style changes will be caught by this test which might be difficult to catch with other forms of testing.

The second regression test is unit testing on a singular component, being the AppButton as it was constantly used throughout the app. The unit test is used to make sure that the component is being displayed consistently throughout the entire application and to make sure that it meets user requirements.

6 SEIROMEM – A2 EXPO LINK

<exp://exp.host/@mystifyingewok/A1?release-channel=default>

