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1. URl and QR code for application:

https://expo.dev/accounts/japneetsachdev21/projects/major-deliverable-2

please find the barcode attached:

2. Exhaustive test Schedule

Requirement: The application has been created with two sample accounts to test the following test cases.

User story:

As a user,

I want to create a new account or access my account

so that I can access the features of the application such as make my own profile, add new pictures to my profile and filter them through countries.

Steps:

- Download MemWall Apllication
- Run the application
- Select login
- Login with the account details
    - Email: selena@gmail.com
    - Password: 123456789

Test Number	Test purpose	Input parameters	Actual Data Input	Expected Output	Actual Output	Test Status
T1.01.01	To test if the Welcome screen have been created with appropriate Login/Register option	N/A	N/A	A screen with the appl logo and slogan with options to login or register has appeared	A screen with the appl logo and slogan with options to login or register has appeared	Pass
T1.01.02	To test if the user clicks on the Login button, it proceeds to the login screen	N/A	N/A	User is directed to Login Screen showing options to login	User is directed to Login Screen showing options to login	Pass

Test Number	Test purpose	Input parameters	Actual Data Input	Expected Output	Actual Output	Test Status
T1.01.03	To test if the user clicks on the Login button, it proceeds to the Register screen	N/A	N/A	User is directed to Register Screen showing options to Sign Up	User is directed to Register Screen showing options to Sign Up	Pass
T1.01.04	To test if the user is taken their user screen once inputted valid username and password and pressed the login button	Username	selena@gmail.com	User is directed towards their account profile	User is directed towards their account profile	Pass
		Password	123456789			
T1.01.05	To test if the user is taken their user screen once inputted a wrong username and password and pressed the login button	Username	s@gmail.com	User gets an alert saying invalid login details	User gets an alert saying invalid login details	Pass
		Password	111111			
T1.01.06	To test if clicked on 'Add' button at the bottom bar, directs the user to add more picture screen	N/A	N/A	User is taken the screen where user can add new pictures to their profile	User is taken the screen where user can add new pictures to their profile	Pass
T1.01.07	To test if a user account is created once all the register fields are filled in the register screen	Name	Japneet Sachdev	A new account is created once the Sign-up button is pressed	Nothing happens once the Sign-Up button is clicked	Fail
		Email Address	j@gmail.com			
		Password	Jason123			
T1.01.08	To test if a new memory is added in memories section once	Memory Caption	Nature	A new Picture is added in memories section	A new Picture is added in memories section	Pass
		Date	21/04/2022			
		Memory location	Paris, Eiffel Tower			

Test Number	Test purpose	Input parameters	Actual Data Input	Expected Output	Actual Output	Test Status
	inputted valid fields and pressed the Add memory button	Country	France	and can be seen as you scroll down	and is seen as you scroll down	
		image	-----.png			

Requirement: The application has been created with two sample accounts to test the following test cases.

User story:

As a user,

I want to read and analyze the feature of the application.

Steps:

- Download MemWall Apllication
- Run the application
- Select login
- Login with the account details
    - Email: selena@gmail.com
    - Password: 123456789

Test Number	Test purpose	Input parameters	Actual Data Input	Expected Output	Actual Output	Test Status
T2.01.01	To test if the user can type their full name, email address and password without any error	Full name	Japneet Sachdev	The user does not get any errors like "Email is a required field" or "Password is a required field" or "Name is a required field "	The user does not get any errors like "Email is a required field" or "Password is a required field" or "Name is a required field "	Pass
		Email address	js@gmail.com			
		Password	Japneet123			
T2.01.02	To test if the text is visible by the user in T2.01.01	Full name	Japneet Sachdev	The user can see the text in black color in the boxes	The user can see the text in black color in the boxes	Pass
		Email address	js@gmail.com			
		Password	Japneet123			
T2.01.03	Verify if the user cannot proceed without filling all the mandatory fields.	N/A	N/A	The user can read the error in yellow color above the boxes in the login screen	The user can read the error in yellow color above the boxes in the login screen	Pass

Test Number	Test purpose	Input parameters	Actual Data Input	Expected Output	Actual Output	Test Status
T2.01.04	To verify if the password field is visible as asterisk or bullet signs	Password	123456789	Once inputted the password is visible in bullet signs	Once inputted the password is visible in bullet signs	Pass
T2.01.05	Verify if a user cannot enter the characters more than the specified range in each field (Password).	Password	12345678998765	An error should be displayed saying "password must be at most 10 characters"	An error should be displayed saying "password must be at most 10 characters	Pass
T2.01.06	Verify if a user cannot enter the characters less than the specified range in each field (Password).	Password	123	An error should be displayed saying "password must be at least 4 characters"	An error should be displayed saying "password must be at least 4 characters"	Pass
T2.01.07	Verify if the font, text color and color coding if the whole application is consistent and all tests are visible	N/A	N/A	The user can see all the texts across the application and fonts color coding is consistent	The user can see all the texts across the application and fonts color coding is consistent	Pass
T2.01.08	To test of permission to access the user's gallery message can be clearly seen by the user	N/A	N/A	The user can see the message once clicked on the camera icon on add screen	The user can see the message once clicked on the camera icon on add screen	Pass

Requirement: The application has been created with two sample accounts to test the following test cases.

User story:

As a user,

I want to update certain entries in the application.

Steps:

- Download MemWall Apllication
- Run the application
- Select login
- Login with the account details
  - Email: selena@gmail.com
  - Password: 123456789

Test Number	Test purpose	Actions	Expected Output	Actual Output	Test Status
T3.01.01	To test if memories page is updated after adding a new picture	Add a new picture in the add memory screen then go to memory screen and scroll down	As the user scrolls down memories, the user can see the new picture uploaded	As the user scrolls down memories, the user can see the new picture uploaded	Pass
T3.01.02	To test if you can modify the uploaded memory once added	In memory screen click on of the memory and see the delete option	The user could edit the picture and the information for the picture	There is no option to edit the picture or the information	Fail
T3.01.03	To test if the user can change their profile picture or user bio in the account screen	In the account screen check if the user can click on the profile picture or user bio and edit it accordingly	Once pressed on the user picture, options would come to delete or change, same for the user bio	Nothing happens when user clicks the picture or bio in the account screen	Fail
T3.01.04	To test if the user can modify the filter option to update it with more countries.	Go to the memory screen, and click on the plus sign to add more countries to the existing list	The user can add more countries like India, Japan to the existing list under all countries in memory screen	The user cannot do anything to add the more options as there is no plus sign	Fail
T3.01.05	To test if the user can update the	In the login screen or register screen,	The user can edit the input field after the error is	The user can edit the input field after the	Pass

Test Number	Test purpose	Actions	Expected Output	Actual Output	Test Status
	input field once an error shows for eg, the user inputs the password wrong, he has option to correct it and proceed	inputting wrong values and editing after the error message is displayed	displayed	error is displayed	
T3.01.06	To test if the user can change their username	Click on the setting button and see the option change username.	The user can change the username and use that from then onwards and the old one is discarded	Nothing happens once the settings icon is clicked	Fail
T3.01.07	To test if the user can change their password	Click on the setting button and see the option change password.	The user can change the password and use that from then onwards and the old one is discarded	Nothing happens once the settings icon is clicked	Fail
T3.01.08	To test if the T3.01.06 and t3.01.07 changes stay changed after logging out and in again	The user will log out from the accounts page			Fail

Requirement: The application has been created with two sample accounts to test the following test cases.

User story:

As a user,

I want to delete account and delete certain entries.

Steps:

- Download MemWall Apllication
- Run the application
- Select login
- Login with the account details
  - Email: selena@gmail.com
  - Password: 123456789

Test Number	Test purpose	Actions	Expected Output	Actual Output	Test Status
T4.01.01	To test if the user can delete their account temporary, i.e. for some days.	Once logged in, on the account screen there is button called "delete account"	Options to delete account permanently or temporary pops up and you press temporary	Nothing happens when the button is clicked	Fail
T4.01.02	To test if the user can dele a specific picture from the memory screen	Once logged in, go to the memory screen where you click on one of the memory and the options to edit or delete will come	Option to delete can be seen by the user, and the user can delete the selected memory	Cannot selected the memory as there is no option of clicking	Fail
T4.01.03	To test if the user can delete their profile picture or user bio	Once logged in, on the account screen, click on the profile picture or the user bio	Options to edit or delete picture and for the bio, options to edit or clear	No options are shown and cannot click on the picture or the bio	Fail
T4.01.04	To test if the user can delete one of the countries from the "All countries" section	Once logged in on the memory screen, at the top click on the "All countries" and option to delete one of the countries	Option to delete one of the countries	Nothing happens as there is no option to delete	Fail

Test Number	Test purpose	Actions	Expected Output	Actual Output	Test Status
T4.01.05	To test the functionality of deleting all entries from a given location for eg, Paris	Deleting all picture for Paris	The user should be shown a message of no entries are available for this location	No message is displayed as there is no option to delete	Fail
T4.01.06	To test the functionality of the deleted entry, after the user has logged out and in again.	Once the user has deleted the entries then logging out from account screen and logging in again	The user should not see the deleted entry in the memory screen or anywhere in the app	There is no feature to delete an entry so the memory screen stays the same	Fail
T4.01.07	To test if the user can delete their account permanently	Once logged in, on the account screen there is button called "delete account"	Options to delete account permanently or temporary pops up and you press permanently	Nothing happens when the button is clicked	Fail
T4.01.08	To test if the country exists once all the entries are deleted from that filter option in memory screen. For eg, if all the entries are deleted from France, does France exist in the filter option.	In the memory screen, the user deletes all the entries from France	The user cannot see France anymore in the filter under All countries in Memory screen	Nothing is changes as there is no function of deleting the country nor entries	Fail

3. Regression Testing

I had tried to implement a regression test on the Login Screen for testing the valid inputs which will be the email address and the password of the sample user which in my case is selena@gmail.com and "123456789" respectively. I had used enzyme library which I tried to

install in my application which gave me errors which made the code in effective. I tried to implement several times but didn't work. I did regression testing on the login screen as it is the most important screen for a user as it will give access to their account.

The file created is LoginScreen.test.js which will check the following things:

a. If the email address is correct or not with case- sensitive input.
b. If the password is correct or not with case-sensitive input and whether it satisfies the minimum and maximum character requirement.
c. if it shows any kind or error when the field is inputted.