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### Test Cases

#### Test Case 1: User Story 1, a user who is registering for a new account

1. Inputs: When the user opens the application, they are given a choice to either create an account or log in. If they choose to create an account, they will be brought to a page where they are required to fill out their first and last name, university and university email, and a unique username and password. Once they click submit, they will either be brought to an acknowledgement page or receive an error to correct the information they inputted. If correct, they will be sent to a screen that shows instructions on how to use the application and also safe practices when meeting with new users. Once they accept these terms, they will then be brought to a screen that will allow them to search through on-campus events or organizations that they're interested in, as well as join class groups.
2. Expected outputs: From the information the user inputs, the user would have created a new account with a user's area that allows them to see different group recommendations to join and also be aware of how to be safe when interacting with other users.
3. Actual output: The actual output only includes the username, email and password. The other information can be entered once the account has been created and once registered the new user is brought to the login page where they can then login.
4. Pass/fail criterion: If the actual output is equal to the expected output, then the test case would be a success. If the application does not create a new account and bring the user to the acknowledgement page, then the test case would fail.
5. Pass/Fail: Pass

#### Test Case 2: User Story 2, a current user who is logging into account

1. Inputs: When the user opens the application, they are given a choice to either create an account or log in. As a current user, they will choose log in and be brought to a page that asks them for their username/email and password. The user inputs their information and will be brought to the home page.
2. Expected outputs: After the user inputs their account information, the home page of the application should pop up, showing the groups the user belongs to and different updates to threads/channels.
3. Actual output: Once in the login page if the user enters the correct information they will get a success message and brought to the homepage where all posts are displayed. If the information is incorrect an error message will show and the user is asked to enter valid user information.

4. Pass/fail criterion: If the user is able to login and see the different groups they have joined and is equal to the expected output, then the test case would be a success. If the user is unable to locate account when inputting correct information, the test case would fail.
5. Pass/Fail: Pass

Test Case 3: User Story 3, a user who has logged into account and is interacting with home page

1. Inputs: The user, once logged in, is brought to the home page. The home page will display current and available threads/channels, messages, a logout button, a search bar, a profile button, and a settings button.
2. Expected outputs: The user will see their current threads, as well as new available threads and channels that they can interact with. If they click the logout button, they will be logged out of their account. If they click on the search bar, they will be able to search for anything they're interested in. If they click the profile button, they will be brought to their profile page. If they click the settings button, they will be brought to their account settings page.
3. Actual output: The homepage displays all the posts made by all the users. Also there are buttons to go to the new post page, their profile page, settings link and a logout button.
4. Pass/fail criterion: If the user can interact with different threads/channels and are able to click on different buttons on the home page and get to the expected page that they wanted, then the output would be equal to the expected output and the test case would be a success. If they are unable to look through threads/channels or interact with the different buttons, then the test case would fail.
5. Pass/Fail: Pass

Test Case 4: User Story 4, a user who is trying to join a thread or channel

1. Inputs: From the home page, a user can click on any available thread/channel. Once clicked the thread/channel page will be displayed where posts made to the thread are shown along with a button to create a new post to this thread, link to the homepage, search bar, logout button, profile button and settings button.
2. Expected outputs: The user should see the posts made to the thread they have selected. If the create new post button they will be taking to the new post page. If they select a certain post the user will be taken to the posts page where they see the post, others comments on the post and a text field where they can submit their own comment. If the user clicks the homepage link they will be taken back to the homepage. If the logout button is clicked they will be logged out and the signin page will be displayed. If they click in the search bar they will be able to search for available threads/channel, users, or certain posts. If the click the profile button their profile will be displayed. If they click the settings button their settings page will be displayed.
3. Actual output: There is no comments or ways to follow a certain thread.

4. Pass/fail criterion: If the user is able to click on posts and have the correct post page be displayed, if the user clicks on any other options the right page is displayed, and if the user comments their comment is submitted then the test passes. If the user is unable to click on posts and have the right post be displayed or not able to comment on posts the test will fail.
5. Pass/Fail: Fail

Test Case 5: User Story 5, a user who is creating a post for a specific thread or channel they have joined

1. Inputs: When the user clicks the “create post” button, they will be brought to a page to create the post. User will be able to post text, photos, or links to the thread of their choosing from the post page.
2. Expected outputs: when the user is brought to the post page, they will have the option to post text, photo, or link. The user should be able to preview their post on the page as well before pressing submit. when the submit button is clicked, the post should be posted to the thread/channel they chose.
3. Actual output: From the homepage there is a new post button if clicked the user is brought to a new posts page where they can make a post of an image and a description of that image. When they submit that post it is displayed in the homepage.
4. Pass/fail criterion: If the user can click the “create post” button and is brought to the post page, can type or add a photo or link, and can submit and post the post successfully, then the test passes. If the user cannot do any of these things, then the test fails.
5. Pass/Fail: Pass

Test Case 6: User Story 6, a user who is trying to change their account settings

1. Inputs: When the user clicks on the settings icon, they will be brought to a list of account settings: Themes, Notifications, and About. The user clicks themes and is brought to a list and they are able to choose a dark or light theme. The user clicks on notifications and they have different options to turn on banner notifications, alert notifications, or turn off notifications. The user clicks on about and is brought to a page that shows information about the application and the version number.
2. Expected outputs: The user will click on the settings icon and see a list of account settings. The user will be able to change the application color theme, configure their notification settings, and preview information about the application.
3. Actual output: At the homepage if the user clicks on the settings link nothing happens and they remain on the homepage.
4. Pass/fail criterion: If the user clicks on the settings icon and is able to change their settings, then the output would be equal to the expected output and the test case would be

a success. If the user clicks on settings icon and the expected output does not happen, then the test case would fail.

5. Pass/Fail: Fail

Test Case 7: User Story 7, a user who is logging out of their account

1. Inputs: When the user clicks the “Logout” button, the user should be logged out of their account and be brought back to the login page, where they can enter their username and password again.
2. Expected outputs: The user clicks the logout button and is logged out of their account and brought back to the login page.
3. Actual output: On the homepage if the user clicks on the logout button a message asking if they are sure if they want to logout pops up if they select yes they are brought back to the login page if they select cancel they remain on the homepage.
4. Pass/fail criterion: If the user clicks logout and is brought back to the login page, then the output would be equal to the expected output and the test case would be a success. If clicking the logout button does anything else, the test case would fail.
5. Pass/Fail: Pass

Test Case 8: User Story 8, a user who wants to view their profile or other users’ profiles

1. Inputs: When the user clicks on “My Profile”, they can view all their information that they inputted when creating their account. The user can click “edit” to change the information, then click “save” when completed. The user can also click on another user’s username to view their profile. It will show information including their name, username, user biography, profile picture, major, year, and university.
2. Expected outputs: When the user clicks on their profile page, they will see their information listed, as well as an edit and save button to change their information. When the user clicks on another user’s username, they will see that specific user’s information.
3. Actual output: On the homepage if a user clicks on My Profile they will be brought to their profile page where they can change and add information such as their username, major, year and a bio. They can also change and view their profile picture.
4. Pass/fail criterion: If the user is able to view and edit their information on the profile page and also see other users’ profiles, then the output would be equal to the expected output and the test case would be a success. If the user clicks on “My Profile” and doesn’t see their profile information, the test case would fail. It would also fail if they are unable to edit and save that information. If the user clicks on another user’s username and are unable to see their information, the test case would fail.
5. Pass/Fail: Pass