

Test Plan - Team 4

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Test Number	Test Name	Severity	Instructions	Expected Result
1	Log in	1	Enter StudyBuddy Account information correctly and hit the 'login' button	User is granted access and the course list is shown
2	Log in (invalid username)	2	Enter StudyBuddy account information with wrong username and hit the 'login' button	User is refused access and an "invalid username or password" error is shown
3	Log in (invalid password)	2	Enter StudyBuddy account information with wrong password and hit the 'login' button	User is refused access and an "invalid username or password" error is shown
4	View Help Requests	1	Select a class from the class list page	A new screen appears with a list of all help requests
5	Create Help Request	1	Press the 'new request' button	New screen appears with spaces for all relevant information to a new assignment
6	Submit Help Request	1	After filling out the new request form, press the submit button	The request is sent to the server and then to other users.
7	Direct message match	2	After joining a group go to the chat page, type a message on a device, and then send it	On another device in the same group and in the chat page the message will appear
8	Push Notifications from answered help request	2	Send a request for help, then accept it on another device.	Receive a push notification on the device that requested help
9	Disable notifications	3	User switches toggle button for notifications	Notifications are no longer sent to the user
10	Import enrolled courses	1	Create an account or press the "reload courses" button in the settings page. When prompted for Purdue career account credentials, enter your Purdue username and password.	If user credentials are correct, then the user's course list will be downloaded and updated while a "Syncing..." message is shown. If credentials are not correct, then an error will be displayed and the user will be asked to try again.
11	Empty Login Field	2	On login screen, leave either username or password empty, attempt to submit.	Submit button should be disabled until both text fields contain text.
12	Delete Account	2	Go to settings screen, and press delete account	Receive a toast displaying "Logged Out Successfully" on successful logout. The users account should be removed from the backend server.

13	Refresh existing group list	1	From the course listing page, select a course to view the existing help requests for that course. Swipe the page down to refresh, or press the refresh button.	The system should reload the help request list with the latest content.
14	Log in without Internet Connection	2	Disable wifi and cellular data and attempt to login.	The user is notified that they do not have an internet connection through a popup/toast.
15	Help request without Internet Connection	2	Disable wifi and cellular data after logging in and reaching the help request input view. Complete all input and attempt to send the request by pressing submit.	The user is notified that they do not have an internet connection through a popup/toast.
16	Re-pull course list without Internet Connection	2	Disable wifi and cellular data after logging in and navigating to the settings view. Attempt to re-pull your course listing my logging in with your Purdue account.	The user is notified that they do not have an internet connection through a popup/toast.
17	Creating account: invalid username	2	When opening the application for the first time, or after you logout and select the create new account option on the login screen: enter a username not beginning with a letter or with a length of less than five.	The system should notify the user that the username is invalid. The user should not be able to press the create button to create the account with the invalid username .
18	Creating account: invalid password	2	When opening the application for the first time, or after you logout and select the create new account option on the login screen: enter a password with a length of less than five.	The system should notify the user that the password is invalid. The user should not be able to press the create button to create the account with the invalid password .
19	Help request with empty problem description	2	Navigate the the new help request page. Attempt to submit the help request without text in the problem description field.	The user should be notified that they need to enter a problem description before submitting. The user should not be able to submit.
20	Help request with empty location description	2	Navigate the the new help request page. Attempt to submit the help request without text in the location description field.	The user should be notified that they need to enter a location description before submitting. The user should not be able to submit.
21	Help request with empty problem title	2	Navigate the the new help request page. Attempt to submit the help request without text in the problem title field.	The user should be notified that they need to enter a problem title before submitting. The user should not be able to submit.
22	Log out and switch users	2	Navigate to settings screen, and select logout / update class schedule	Show a toast displaying "Successfully Logged Out". Remove any locally stored data pertaining to that user's schedule.
23	Change password	3	Navigate to settings screen, press change password, enter old and new and re-type password	The users password is change in our database and the user is notified that their password was successfully updated. If we were not able to

				update the users password, they are notified that there was an error.
24	Change password: invalid password	3	Navigate to settings screen, press change password, enter old password and then enter and retype a new password of length less than 5.	An error message will display telling you that your password is invalid and asking you to enter a new one.
25	Change display name	3	Navigate to the settings screen, select the "Change Display Name" option and text in the new display name you would like to have.	The system should allow the user to edit their display name and should save the new display name when the user is done editing.
26	Change display name: invalid name	3	Attempt to set your display name (as above) to an empty string or a string longer than 16 characters.	An error will be displayed and the user will be prompted to enter a valid name.
27	Change profile picture	3	Navigate to the settings screen, tap your profile picture. Select change profile picture option.	The user should be prompted if they would like to change their profile picture. They should then be able to select a new photo from their photo library.
28	Join a study group as somebody that wants to help	1	Navigate to course list, select the group you want to help. Choose to be a helper from the following prompt.	The user will be added as a helper, and the helper count will be incremented
29	Join a study group as somebody that needs help	1	Navigate to course list, select the group you want to help. Choose that you need help from the following prompt.	The user will be added as a needing help and the requester count will be incremented.
30	Quit study group	2	Navigate to the group chat screen, tap the group info icon, tap the leave group button.	Toast is displayed notifying you have left the group. The "My Group" button will be greyed out.
31	Quit study group as last person	3	Ensure that all other members in a group have left. Navigate to the group chat screen, tap the group info icon, and tap the leave group button. Go back into the course list and make sure the group is no longer visible.	Toast is displayed notifying you that the group has been disbanded. The "My Group" button will be greyed out. The group will no longer appear in the course list because it should have been deleted.
32	View study group chat	1	Navigate to the "My Group" page.	The group chat should be displayed.
33	Invalid input for group chat	2	Attempt to put an invalid input into the group chat (0, or > 300)	Display invalid message length toast notifying the user to only submit messages >0 and <300 characters.
34	Request time extending	2	Enter a message into the chat of a group with less than 30 minutes remaining.	The timer on the request should reset to 30 minutes
35	Request time expiring	1	Create a request and set a length of time for it, then wait for that amount of time	The request will be removed from the list
36	View remaining time	3	Open the info page for a help request	The remaining time of a request will be displayed in the information page

37	View number people in a group	2	Navigate to the list of groups for a specific class or navigate to group info of a group you are currently in	Number of helpers and members will be displayed next to the group(s)
38	Proximity push notification	3	Have one device submit a help request while near another device in the same class	The other device will receive a push notification that someone nearby needs help in their class.
39	Turn on/off push notifications	3	Go to the settings page and switch the notifications settings	The user will start/stop receiving push notifications from the app
40	Flagging user	3	Join a group and flag a user in the group.	Check on the database if the flag and its message was properly sent.
41	Enter too long of a problem description for a group	2	Attempt to create a group with a description that is too long	Display a toast that informs the user that they entered too long of a description
42	Enter too long of a title for a group	2	Attempt to create a group with a title that is longer than 32 characters	Display a toast that informs the user that they entered too long of a title
43	View help requests ordered by proximity	2	When opening the app the user's location should be recorded using GPS/Wifi	After opening the list of requests, the requests will be ordered with the closest request first in the list down to the furthest request at the bottom
44	Help requests with no location info available	2	Open the request list for a class with location permissions off	The list will be ordered by time created instead, with the newest request at the top.
45	Invalid Purdue username	1	Navigate to the login menu and attempt to log in with an invalid username	Display a toast notifying the user that their login has failed.
46	Invalid Purdue password	1	Navigate to the login menu and attempt to log in with an invalid password	Display a toast notifying the user that their login has failed.