

Course Name: EECS 2311 Z

Team Number: 8

Student:

Farzin Aliverdi 217849068

Date: March 24, 2025

User Story	Main Developers	Assigned Tester
Creating a group	Haaris / Kashif	Farzin
Viewing course Schedules	Marko Zovic	Lukasz / Kashif
Chat	Farzin	Abdullah
Create an account	Lukasz / Abdullah	Marko / Haaris

Manual Test Cases:

These tests all assume that the Create a Group button was pressed on the home page.

Creating a group with all valid inputs:

- Inside "Search Course Code" type in: EECS 2200
 - ◆ Click the EECS 2200 option from the dropdown
 - ◆ Green text saying "Selected course: EECS 2200" shows
- Inside "Group Name" type in: Group 1
- Inside "Max Members" type in: 6
- Click the Create Group button.
 - ◆ "Group created successfully!" pop-up showed.
 - ◆ Works as expected.

Creating a group with a non-existing course code:

- Inside "Search Course Code" type in: EECS 1111
 - ◆ No option of EECS 1111 shown in the dropdown
- Inside "Group Name" type in: Group 1
- Inside "Max Members" type in: 6
- Click the Create Group button.
 - ◆ "All fields required pop-up" shows.
 - ◆ Works as expected since we have not yet technically successfully selected any option in the Search Course Code field.

Creating a group with a non-existing department:

- Inside "Search Course Code" type in: QWER 1111
 - ◆ This time, no dropbox shows and instead in its place some red text saying "No matching course found" shows.
 - ◆ Works as expected.
- Inside "Group Name" type in: Group 1
- Inside "Max Members" type in: 6
- Click the Create Group button.
 - ◆ "All fields required" pop-up shows.
 - ◆ Works as expected since no valid course was selected in the Search Course Code field.

Creating a group with a negative group size:

- Inside "Search Course Code" type in: EECS 2200
 - ◆ Click the EECS 2200 option from the dropdown
 - ◆ Green text saying "Selected course: EECS 2200" shows
- Inside "Group Name" type in: Group 1
- Inside "Max Members" type in: -1
- Click the Create Group button.
 - ◆ "Failed to create a group. Please try again later." pop-up shows.
 - ◆ Works as expected.

Creating a group with a non-numerical group size:

- Inside "Search Course Code" type in: EECS 2200
 - ◆ Click the EECS 2200 option from the dropdown
 - ◆ Green text saying "Selected course: EECS 2200" shows
- Inside "Group Name" type in: Group 1
- Inside "Max Members" type in: e
- Click the Create Group button.
 - ◆ "Please enter a number" tooltip appears above the Max Members textbox.
 - ◆ Does not allow me to create a group.
 - ◆ Works as expected.

Creating a group with missing fields:

- Inside "Search Course Code" type in: EECS 2200
 - ◆ Click the EECS 2200 option from the dropdown
 - ◆ Green text saying "Selected course: EECS 2200" shows
- Inside "Group Name", leave it blank:
- Inside "Max Members" type in: 6
- Click the Create Group button.
 - ◆ "Please fill out this field" tooltip appears above the Group Name textbox.
 - ◆ Does not allow me to create a group.
 - ◆ Works as expected.

- Inside "Search Course Code" type in: EECS 2200
 - ◆ Click the EECS 2200 option from the dropdown
 - ◆ Green text saying "Selected course: EECS 2200" shows
- Inside "Group Name" type in: Group 1
- Inside "Max Members" leave it blank :
- Click the Create Group button.
 - ◆ "Please fill out this field" tooltip appears above the Max Members textbox.
 - ◆ Does not allow me to create a group.
 - ◆ Works as expected.

There were no bugs found when testing.

Code Smells:

1. `setGroupData()` will fire on every single click resetting the input fields every time.

Problem Report Number: SmellCreateGroup01

Reported By: Farzin Aliverdi

Date Reported: March 24, 2025

Program (or Component) Name: CreateGroupPage.js

Release Number: 2.0

Version (Build) Identifier: Iteration 3

Configuration(s):

HW: All

SW: All

Report Type: Bug/Code Smell

Can Reproduce: Yes

Severity: Medium

Priority: Medium

Problem Summary: The code resets the input in all fields when we submit. This happens specifically inside the `handleInput()` function on the `setGroupData()` call. This is a problem if we submit and we have an invalid input. I don't want my inputs from other places to be removed also, only in the relevant areas.

Key Words: Reset, validation, `setGroupData()`, conditional

Problem Description and How to Reproduce: Lock the resetting of inputs behind a conditional so that it is based on certain conditions that we reset all fields.

2. There are magic numbers and strings in the code.

Problem Report Number: SmellCreateGroup02

Reported By: Farzin Aliverdi

Date Reported: March 24, 2025

Program (or Component) Name: CreateGroupPage.js

Release Number: 2.0

Version (Build) Identifier: Iteration 3

Configuration(s):

HW: All

SW: All

Report Type: Bug/Code Smell

Can Reproduce: Yes

Severity: Medium

Priority: Medium

Problem Summary: Hardcoded values (like 300 for debounce time and 1 for min group members) make the code less readable and harder to modify.

Key Words: Magic Numbers, Maintainability

Problem Description and How to Reproduce: Replace magic numbers with constants