

UWM STUDYRADAR

Group 9

Team Information

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If anyone encounters an error while testing, please email Minwoo Lee (lee732@uwm.edu) with the details of the error message. Errors from setup should be directed to Arianne Ingbretson (ingbret2@uwm.edu)

System Overview

Our project, StudyRadar, is a website/web application for students looking for study groups for various subjects, majors and classes. You create an account and gain access to the group search feature, join groups based on keyword searches or recommendations, schedule events for those groups and have your scheduled events appear on your dashboard.

Access Instructions

GITHUB REPOSITORY: <https://github.com/wolfgang-str/StudyRadar.git>

Clone git to IDE of choice. (This document was written using Visual Studio Code.) In the terminal:

1. python3 (Install Python 3. IT WILL NOT WORK with other versions. Make sure you use the Python 3 commands!)
2. cd StudyRadar (Navigate to nested StudyRadar directory)
3. pip install -r requirements.txt (install dependencies) (if pip returns error try using pip3)
4. python3 manage.py runserver (Django environment)

IN A SEPARATE TERMINAL:

5. npm install (Install npm packages needed to run the frontend)
6. npm start (start the server and use the link to access the site)

Login credentials for guest or demo accounts

While we provide login credentials for demo accounts, I encourage you to create a new user using the sign-up feature, since account creation is one of our features.

(id:peertest | pw:Peertest123!)

Tasks for testing:

- account creation
 - Click the “Sign up” button to create a new user.
 - The following fields are required:
 - Username
 - First Name (must be at least 2 characters)
 - Last Name (must be at least 2 characters)
 - Email (must contain “@” - otherwise triggers between error like “Please include an ‘@’”)
 - Password
 - Confirm Password
 - Major
 - Major Field:
 - A dropdown menu provides a list of common majors.
 - If none match, select “Other” and enter your own.
 - Password Requirements:
 - Minimum 8 characters.
 - Must include at least one number and one uppercase letter.
 - If requirements aren’t met, a red error message appears.
 - Password and Confirm Password must match - mismatches will also trigger a red error.
 - Optional Fields:
 - Graduation Year: Optional, but must be a 4-digit year (e.g, 2025) when entered. Invalid entries show a red error message.
 - Phone Number: Also optional, but must be entered in a valid format when entered. (10~15 digits)
 - Other error cases:
 - Leaving any required fields empty.
 - Entering fewer than 2 characters in the First Name or Last Name fields.
 - Omitting the ‘@’ symbol in the email field.

- Not selecting a major, or selecting “Other” without typing a custom major.
 - When a user tries to create a username that already exists in the DB.
- account detail editing (Profile tab)
 - When a user updates their account details and all the requirements are met (the same as during signup), the changes are immediately saved to the database. For example, if the user changes their first name, it is updated in the DB right away. However the greeting message on the dashboard tab will reflect the updated name only after the user logs out and logs back in.
- group creation (Create Group tab)
 - Users can create a group with only the required group name; subject and description are optional. An error is shown if the user tries to create a group with a duplicate name or without a group name. When the group is successfully created, a green success message appears, such as ‘Group “Group Name” created successfully!’.
 - Error cases:
 - The user tries to create a group that already exists.
 - The user doesn't fill in the required fields.
- group recommendations (Joined Groups tab)
 - Based on the user's joined groups, the system extracts keywords and finds the 3 most related groups that the user has not joined, displaying them next to the joined groups.
- group search function (Joined Groups tab)
 - Users can search for groups using keywords from the group name or the join code, regardless of whether they have joined the group or not. The search bar displays a new section showing the search results within the ‘Joined Groups’ tabs. If there are no results, the section remains hidden. Users can also click on a group card to view more details about the group, including its events.
- group joining (Group Card)
 - Through the recommendations or search function, users can join groups they are not yet part of. The group detail page indicates whether the user is a member. If the user is not joined, the page displays a ‘Join Group’ button that allows them to become a member. For groups the user has already joined, the page shows the message ‘You are already a member of this group.’
- group leaving (Group Card)
 - When a user no longer wants to be in a group, they can easily leave by clicking the ‘Leave Group’ button.
- group event creation (Group Card)
 - When the user is a member of the group, the user is able to create events in the group.
 - Error cases:
 - The user tries to create an event that already exists.
 - The user doesn't fill in the required fields.
- group editing
 - When the user wants to edit a group's information, they can do so by clicking the ‘Edit’ button.
- dashboard event display (Dashboard tab)

- Displays up to 4 upcoming events from the user's joined groups and reminds the user not to forget them.
- event editing
 - When the user wants to edit an event's information, they can do so by clicking the 'Edit' button."
- event deletion
 - If an event is canceled or created by mistake, the user can delete it using the 'Delete' button on the event.

Required Test Scenarios

1. Register a New User Account:

- Complete the signup process by entering all required fields correctly (username, first name, last name, email, password, confirm password, and major).
- Test error handling by leaving required fields empty, entering invalid email formats, mismatching passwords, or failing to meet password requirements.

2. Create and Manage a Group:

- Create a new group by providing a group name (subject and description are optional).
- Attempt to create a group with a duplicate name to trigger the error message.
- Edit the group's details after creation to ensure updates are saved correctly.

3. Create, Edit, and Delete Events:

- As a group member, create a new event with required information.
- Edit the event's details to confirm changes are applied.
- Delete the event to verify that event removal works as intended.

Optional Test Scenarios

1. Group Search, Recommendations, Joining, and Leaving:

- Use the search bar to find groups by keyword or join code.
- View group recommendations and join a suggested group.
- After joining, leave the group by clicking the 'Leave Group' button.

2. Edit Account Details:

- After registration, update your first name in the profile tab.

- Confirm that the changes save, and check if the dashboard greeting updates after logging out and back in.

3. Events:

- Try to create identical events in the same group.
- Try to delete an event created by a different account.

4. Unintended Use Cases/Misc:

- Anything you can think of that might break something is always useful to know about!
- Error messages should be informative enough to solve the problem without outside input.
- Unintuitive/unexpected design feedback is also useful.