

Testing

Features Tested:

- Login and Registration
- Add/Delete Events
- Displaying of Events Works
- User is Alerted
- Data Saved Between Sessions
- Visual Customization

Testing

- All test cases will be tested on a group member's computer running Docker.
- Testers can be anyone who wants to use a planner and owns a computer. Specifically, we are going to be using CU students on campus.

Login and Registration:

Test cases:

- User should be able to login with credentials
- User authentication fails when the user provides invalid credentials (on login) or attempts to register using a pre-existing username (on registration).
- The form provides the user with feedback on the error.

Acceptance Criteria:

- A user cannot submit the login/registration form without completing the required fields: Username and Password
- Information from the form is stored in the "users" table in the planner_db database
- The password entered is hashed and stored in the database.
- No two users can have the same username.

Add/Delete Events:

Test Cases:

- User should be able to create and delete events using a form
- The calendar displays events created by the user, but not those created by other users.
- The calendar should refresh itself upon the creation of a new event and re-populate itself with the new information

Acceptance Criteria:

- A user cannot submit an event without providing a name and date. The user, however, should be able to submit an event with or without any of the remaining fields.
- Information from the form is stored in the “events” table in the planner_db database
- The calendar should be able to display all events created by the user, but *not* events created by other users.

User is Alerted:

Test Cases:

- Events with a user-provided “warn date” and time display themselves on a separate “urgent” calendar
- Events without such a date do nothing
- When said date and time pass, the database should send an alert to the user via email

Acceptance Criteria:

- User should receive an alert through email when the “warn date” and “warn time” pass
- Events that have had a “warn date” and “warn time” pass should be displayed on an “urgent” calendar on the user’s homepage in the format of a list.
- Events that were not provided with such a date should not be displayed or send alerts.

Data Saved Between Sessions:

Test Cases:

- Users should log in/out of the system and be able to return to their data.

Acceptance Criteria:

- Upon logging out and back in, the user should be able to view the events they created in a previous session. This applies even if other users logged in between the users did.

Visual Customization:

Test Cases:

- Color is input through a color wheel
- If inputting an image, it must be a valid image URL. If invalid then alert the user and do not update
- If successful user successfully sees their changes

Acceptance Criteria:

- User should be able to use a menu listing each element they may customize

- Each element the user can choose a color from a color wheel or input and image url
- New information should then update each element and be saved into the database
- Upon reloading the page the page should take on the new appearance specified by the user