Software Engineering IT314

Project: Student leave and TA assistantship management
Group: 9

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Acceptance Testing

Test Scenarios:

Requirement Test Scenarios:

- Admin can log in - Yes
- Admin can add users(Faculty, TA and Student) - Yes
- Admin can see the list of leaves(Pending, Approved and Rejected) - Yes
- Admin can accept or reject the leave - Yes
- Admin can get a report of leaves - Yes
- Faculty can log in - Yes
- Faculty can apply for leave - Yes
- Faculty can see their leave status - Yes
- Faculty can see the leaves of their student and TA - Yes
- Student can log in - Yes
- Student can apply for leave - Yes
- Student can see their leave status - Yes

Usability Test Scenario :

General:

- User can switch between light and dark theme - Yes
- Get notification message on successful login - Yes
- Get notification message on successful login - Yes
- Form fields are labelled correctly - Yes

Admin creates account:

- Admin gets notification message for successful account creation - Yes
- Error message appears when any field is empty in the account creation form
  - NO

  -> When the admin creates an account with an empty name or ID, instead of showing an error it crashes.
- Confirm password field to avoid unnecessary situations - Yes
- Verification of the email is in the right form - Yes
- Verification if TA's emails are in the right form - NO

  -> It is not verified if the entered string is an email or not.
- Verification if Faculty's emails are in the right form - NO

  -> It is not verified if the entered string is an email or not.

User leave form:

- The user gets notification message for successful leave application - Yes
- Error message appears when any field is empty in the account creation form - Yes
- Checking if leave duration is less than or equal to the permissible period - NO
- User is restricted to apply for leave for past more than 15 days - NO

GUI:

- All fields and buttons aligned correctly - Yes
- When clicked on the text box mouse pointer converted into the cursor - Yes
- All buttons on-screen are accessible by the TAB key - Yes
- Enough space between input fields and buttons - Yes
- The user should not be able to type in scroll down select list - Yes
- Errors are shown at the right location to catch attention to that input field - Yes
- User should be able to perform all operations by keyboard - Yes
- Positioning of GUI elements are right for different resolutions - Yes
- Scrollbar is activated when needed - Yes

Database Test Cases:

- Check if correct data is saved in the database on submit - Yes
- Check for data integrity - Yes
- Data is committed to the database only when operation is performed successfully - Yes
- Database fields are designed with correct data types - Yes

- Check for duplicate values when inserting new data - NO
  -> When an admin creates an account it does not check if a user with the same email is already registered or not so multiple users with the same email can be stored and lead to inconsistency.

- Data is saved in the required form in fields - NO
  -> In the student table Faculty and TA fields are not checked to validate if they are mail addresses or not so any string gets saved instead of mail addresses without validating in these fields.