



Software Engineering IT314

Project: Student leave and TA assistantship management

Group: 9

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GUI Testing

We have used the Selenium web driver for GUI Testing because of the following reasons:-

1. Cross-Browser Compatibility: Selenium WebDriver supports various web browsers like Chrome, Firefox, Safari, etc. This makes it easier to write test scripts once and run them on different browsers.
2. Open-Source: Selenium WebDriver is an open-source tool, which means that it is free to use and modify.
3. Automated Testing: Selenium WebDriver enables automated testing, which helps in reducing the testing time and effort required for manual testing.

We have implemented 5 flows and written Python scripts for GUI Testing which are given below. We have also screen-recorded the tests.

(1) Login Functionality

Video Link: [Login Functionality GUI Testing](#)

(2) Sidebar Functions

Video Link: [Sidebar Functionality GUI Testing](#)

(3) LeaveForm Functionality

Video Link: [Leave Form Functionality GUI Testing](#)

(4) Theme Change (Dark & Light)

Video Link: [Theme Change GUI Testing](#)

(5) Create Account Functionality of Admin

Video Link: [Create Account Functionality GUI Testing](#)