

IT-314 Software Engineering Group-15 News Aggregator GUI Testing Documentation

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What is GUI Testing?

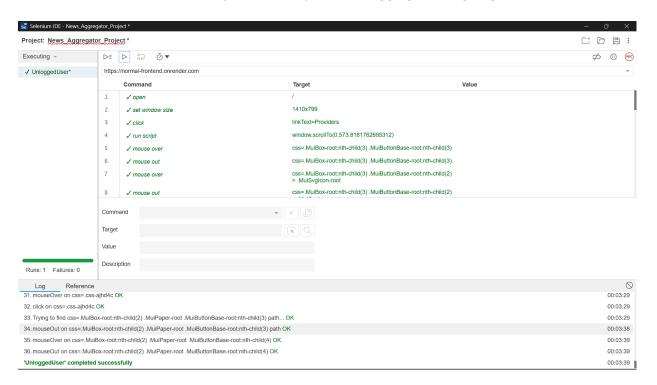
GUI testing is the process of validating the graphical user interface of an application to ensure it meets design specifications and functions correctly. It involves checking elements like buttons, text boxes, menus, and icons for proper alignment, appearance, and responsiveness. GUI testing also verifies user interactions, such as clicks, input fields, and navigation workflows, to ensure the application behaves as intended. This type of testing is essential for identifying visual inconsistencies, usability issues, and functionality defects in the interface. By ensuring the GUI is user-friendly and error-free, GUI testing improves the overall user experience and helps maintain application quality.

We did GUI testing using Selenium IDE to test all the functionality of our website and the results are provided for each functionality along with the testing results

1. Unlogged User:

All buttons and text fields are working fine.

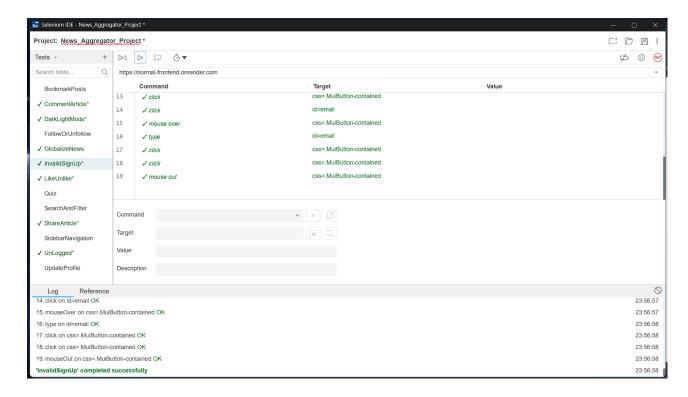
The user is unable to access any functionality without logging in or signing in.



2. Invalid SignUp:

All buttons and text fields are working fine.

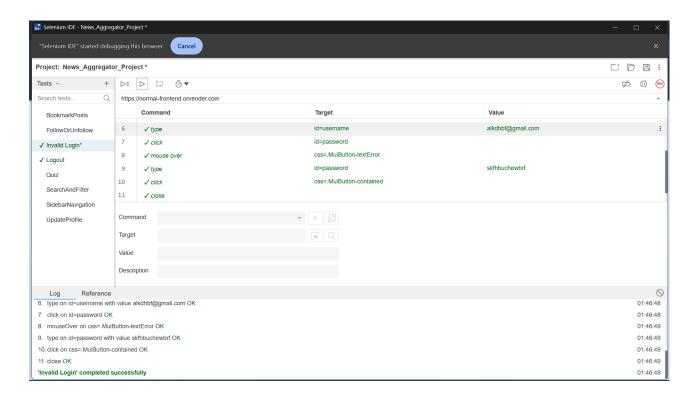
The site throws error if signed in using invalid email id or invalid password



3. Invalid Login:

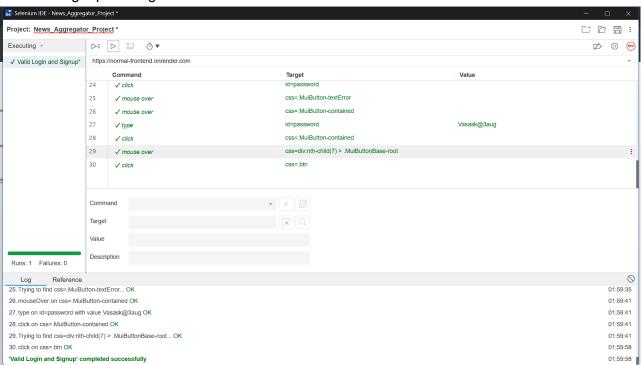
All buttons and text fields are working fine.

It throws error for wrong credentials or new account.



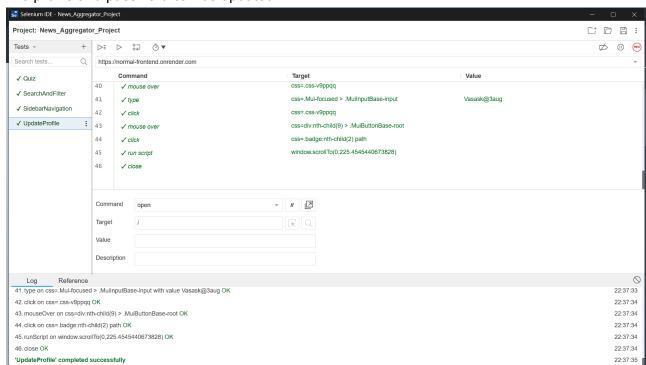
4. Valid Signup And Login:

All buttons and text fields are working fine. User can signup and login into it.



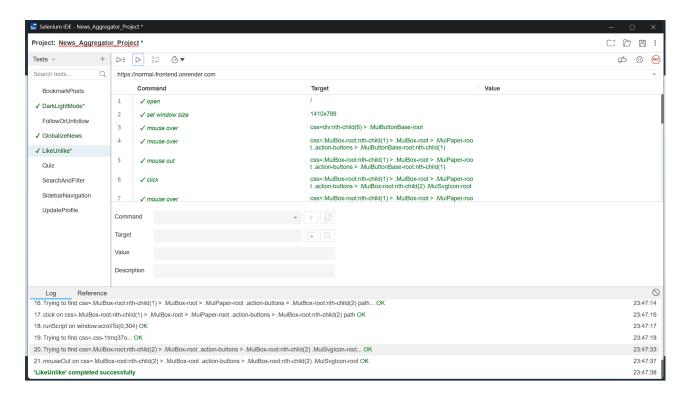
5. Update Profile And Password:

All buttons and text fields are working fine. The profile and password can be updated.



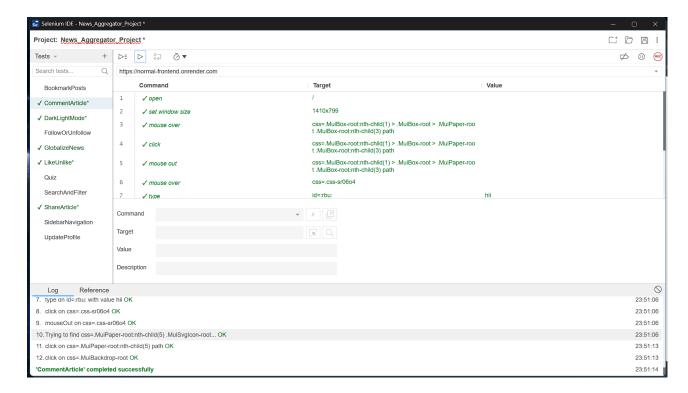
6. Like/Unlike Article:

All buttons and text fields are working fine. Logged user can like and unlike the articles.



7. Comment On Article:

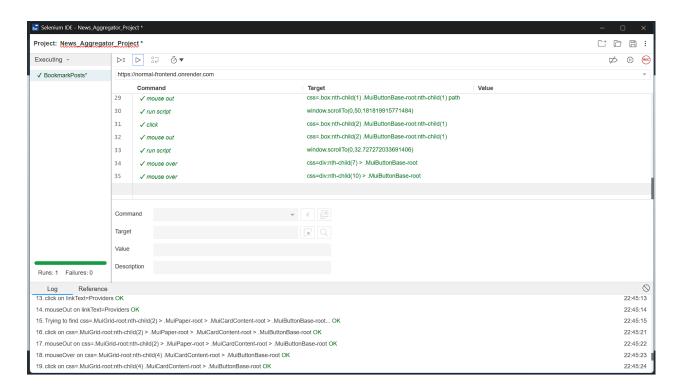
All buttons and text fields are working fine. Logged user can comment on articles and see the comments on that article.



8. Bookmark Article:

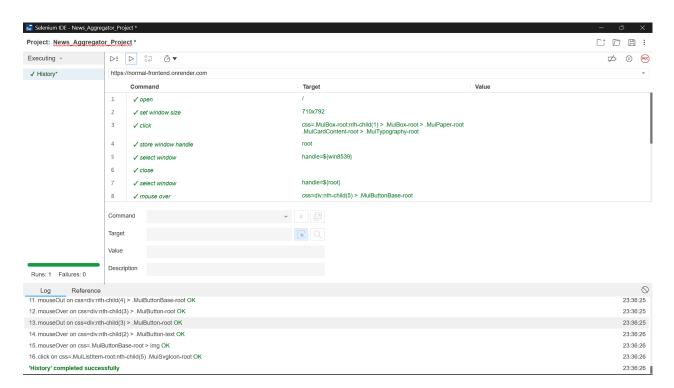
All buttons and text fields are working fine.

Logged user can bookmark the articles and store them and can also unbookmark and remove.



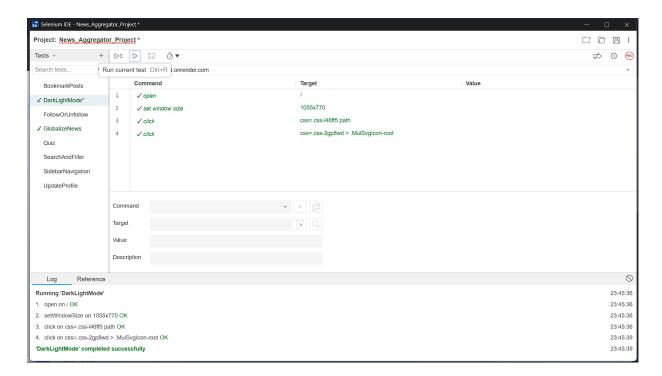
9. View History:

All buttons and text fields are working fine. Logged User can view the history of previously visited posts.



10. Dark/Light Mode:

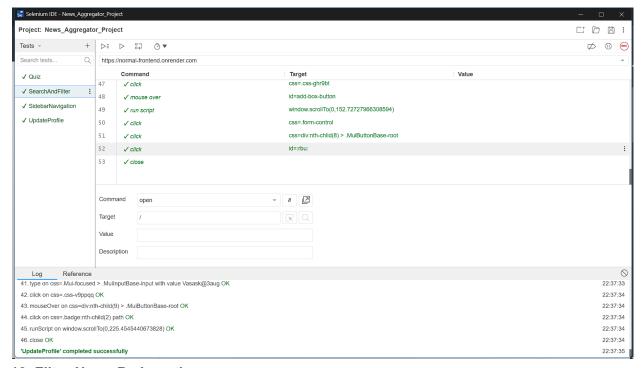
All buttons and text fields are working fine.
User can turn change the theme of website to light mode or dark mode conveniently.



11. Search And Filter:

All buttons and text fields are working fine.

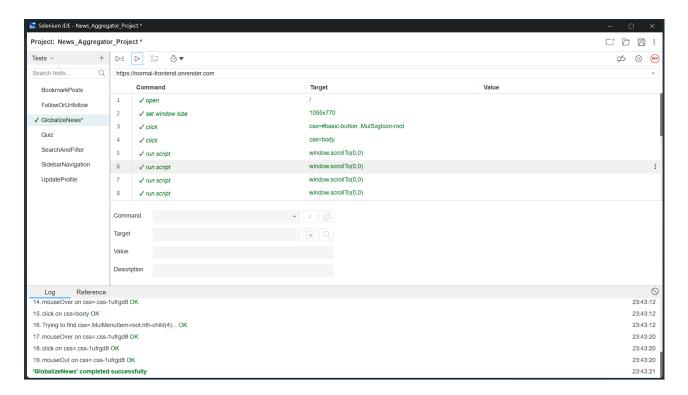
The logged user can search and filter using keyword or dates.



12. Filter News By Location:

All buttons and text fields are working fine.

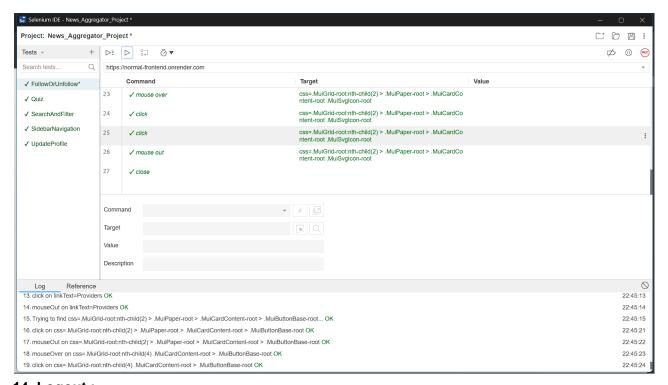
The logged user can also search and filter the news of a particular city location.



13. Follow/Unfollow/Mute News Channel:

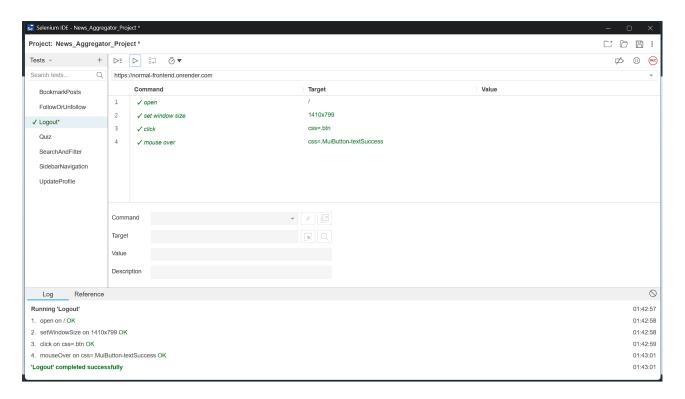
All buttons and text fields are working fine.

The logged user can follow/unfollow the news channel and can also mute them.



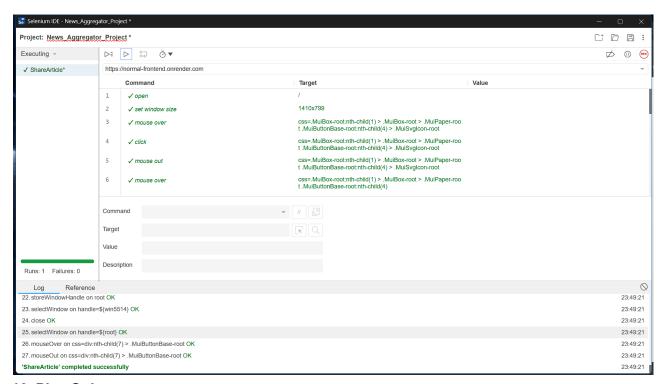
14. Logout:

All buttons and text fields are working fine. The user can easily logout.



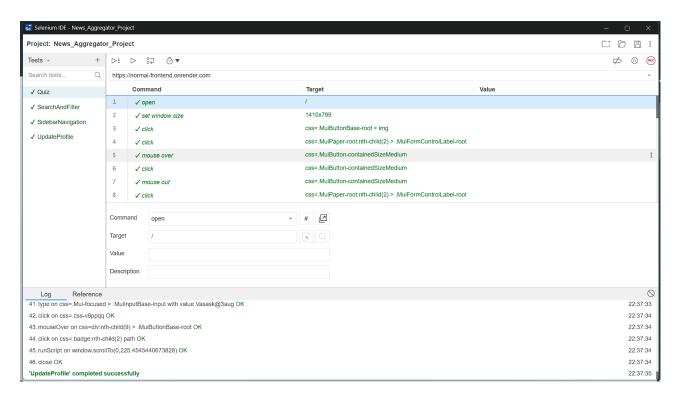
15. Share Article:

All buttons and text fields are working fine. The logged user can share the article on other platforms.



16. Play Quiz:

All buttons and text fields are working fine. The logged user can play quiz on the website.



17. SideBar Navigation And Top Navigation Bar:

All buttons and text fields are working fine. The sidebar navigation and top navigation bar are working normally.

