



IT-314 Software Engineering

GUI Testing

Group 25

Project Title: Genscholar a research platform

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❖ **List of Webpages in Genscholar:**

1. Login Page
2. Sign Up Page
3. Forgot Password
4. Dashboard
5. Workspace

1. Sign-Up Page:

Functionality	Comments
Text	Done and properly aligned.
Text-field	All text fields are working correctly.
Buttons	Done and working as expected.
Dropdown	Not present.
Check-box	Not present.
Hyperlink	Not present(OTP required).
Image	Good and well-aligned.
Other	Clean and simple UI overall.

Selenium Test Cases:

The screenshot displays the Selenium IDE interface for a project named 'GenScholar_GUI'. The test suite 'Signup*' is currently executing at the URL 'http://localhost:5173/'. The test suite consists of 10 steps, all of which have passed successfully. The steps are as follows:

Step	Command	Target	Value
1	open	http://localhost:5173/	
2	set window size	1058x800	
3	click	css= px-6	
4	click	css= flex-1:nth-child(2)	
5	click	name=email	
6	type	name=email	vedantdp2010@gmail.com
7	click	css= px-6	
8	click	name=email	
9	type	name=email	202301225@dau.ac.in
10	click	css= px-6	

Below the test suite, the 'Command' field is set to 'click', the 'Target' field is set to 'css= px-6', and the 'Value' field is empty. The 'Description' field is also empty. The 'Log' tab at the bottom shows the execution log for each step, indicating that all steps passed successfully. The 'Reference' tab is also visible.

2. Login Page:

Functionality	Comments
Text	Done and properly aligned.
Text-field	All text fields are working.
Buttons	Done and working.
Dropdown	Not present.
Check-box	Not present.
Hyperlink	All links such as "Forgot Password" are working.
Image	No separate images present on the login box; overall layout visually aligned.
Other	Good UI overall.

Selenium Test Cases:

The screenshot displays the Selenium IDE interface for a project named 'GenScholar_GUI'. The main window shows a test case titled 'Login*' with a series of commands and their targets. The commands are: 'open' (target: 'http://localhost:5173/'), 'set window size' (target: '1060x800'), 'click' (target: 'css= px-6'), 'click' (target: 'name=identifier'), 'type' (target: 'name=identifier', value: 'vedantdp2010@gmail.com'), 'click' (target: 'name=password'), 'type' (target: 'name=password', value: 'Vedant@1234'), 'click' (target: 'css= px-6'), and 'mouse over' (target: 'css= px-6'). The 'Log' tab at the bottom shows the execution results, indicating that the test case 'Login_Invalid' completed successfully.

Command	Target	Value
1. ✓ open	http://localhost:5173/	
2. ✓ set window size	1060x800	
3. ✓ click	css= px-6	
4. ✓ click	name=identifier	
5. ✓ type	name=identifier	vedantdp2010@gmail.com
6. ✓ click	name=password	
7. ✓ type	name=password	Vedant@1234
8. ✓ click	css= px-6	
9. ✓ mouse over	css= px-6	

Log

- 4. mouseOver on css= px-6 OK 11:09:31
- 5. click on name=identifier OK 11:09:31
- 6. type on name=identifier with value Dwarkesh OK 11:09:31
- 7. click on name=password OK 11:09:31
- 8. type on name=password with value Dwarkesh1234 OK 11:09:31
- 9. click on css= px-6 OK 11:09:31
- 'Login_Invalid' completed successfully 11:09:32

3. Forgot Password:

Functionality	Comments
Text	Done and properly aligned.
Text-field	All text fields are working.
Buttons	Done and working.
Dropdown	Not present.
Check-box	Not present.
Hyperlink	All links are working.
Image	Not present.
Other	Smooth workflow; clean UI.

Selenium Test Cases:

The screenshot displays the Selenium IDE interface for a project named 'GenScholar_GUI*'. The 'Tests' pane on the left lists three test cases: 'Login*', 'Login_Invalid*', and 'forgot_password*'. The 'forgot_password*' test case is selected and expanded, showing a sequence of nine commands:

Command	Target	Value
1. open	http://localhost:5173/	
2. set window size	1054x800	
3. click	css= px-6	
4. click	css= text-\[#4FC3F7\]	
5. click	name=email	
6. type	name=email	vedantdp2010@gmail.com
7. click	css= px-6	
8. click	css= text-\[#4FC3F7\]	
9. click	name=identifier	

Below the command list, there are input fields for 'Command', 'Target', 'Value', and 'Description'. The 'Log' pane at the bottom shows the execution history, including steps like 'click on name=password OK', 'type on name=password with value Vedant@1234 OK', and 'click on linkText=Logout OK'. The final status is 'forgot_password* completed successfully'.

4. Dashboard:

Functionality	Comments
Text	Done and properly aligned across sections.
Text-field	Present and working correctly.
Buttons	All buttons (“Create Workspace”, workspace options menu) are working.
Dropdown	Not present.
Check-box	Not present.
Hyperlink	Navigation links (Dashboard, Profile, Contact, Logout) are present and working.
Image	Logo/icon at the top-left is properly displayed and aligned.
Other	Overall UI is neat, responsive, and user-friendly.

Selenium Test Cases:

The screenshot displays the Selenium IDE interface for a project named "GenScholar_GUI". The main window shows a list of test cases under the "Executing" tab, with "Dashboard*" selected. The URL bar indicates the test is running on "http://localhost:5173/dashboard".

Command	Target	Value
1. ✓ open	http://localhost:5173/dashboard	
2. ✓ set window size	1058x800	
3. ✓ click	linkText=Dashboard	
4. ✓ click	id=theme-toggle-btn	
5. ✓ click	id=theme-toggle-btn	
6. ✓ click	css=gap-6:nth-child(2)	
7. ✓ click	linkText=Profile	
8. ✓ mouse over	linkText=Profile	
9. ✓ mouse out	linkText=Profile	

Below the command list, there are input fields for "Command", "Target", "Value", and "Description".

At the bottom, the "Log" tab shows a series of test steps and their results:

- 15. click on css= py-2 OK
- 16. click on name=name OK
- 17. type on name=name with value frersrs OK
- 18. click on name=description OK
- 19. type on name=description with value ftatfaffaffa OK
- 20. click on css=gap-2 > .bg-[#4FC3F7] OK

The final status is "Dashboard* completed successfully".

5. Workspace:

Functionality	Comments
Text	Done and properly aligned. All headings and blog content are clearly readable.
Text-field	All text fields are working properly.
Buttons	All buttons are working.
Dropdown	All fields(Invite user,members) are working properly.
Check-box	Not present.
Hyperlink	All links are working.
Image	Logo/icon at the top-left is properly displayed and aligned
Other	Good UI overall.

Selenium Test Cases:

The screenshot displays the Selenium IDE interface for a project named 'GenScholar_GUI'. The main window shows a list of executed commands and their targets. The commands are as follows:

Command	Target	Value
1. ✓ open	http://localhost:5173/workspace/18	
2. ✓ set window size	1058x800	
3. ✓ click	css= justify-center nth-child(2)	
4. ✓ mouse over	css= flex-1 > .items-start	
5. ✓ mouse out	css= flex-1 > .items-start	
6. ✓ mouse over	css= justify-center nth-child(2)	
7. ✓ mouse out	css= justify-center nth-child(2)	
8. ✓ mouse over	css= justify-center nth-child(2)	
9. ✓ mouse out	css= justify-center nth-child(2)	

Below the command list, there are input fields for 'Command', 'Target', 'Value', and 'Description'. The 'Log' window at the bottom shows the following entries:

Log	Reference
18. click on css= p-4 nth-child(5) svg OK	11:27:45
19. click on css= p-4 nth-child(5) svg OK	11:27:45
20. click on css= p-4 nth-child(6) svg OK	11:27:46
21. click on css= p-4 nth-child(6) > .w-full OK	11:27:46
22. click on css= .mt-2 OK	11:27:46
23. click on css= .resize-none OK	11:27:46
24. type on css= .resize-none with value hiii OK	11:27:46

❖ **Conclusion:**

The GUI testing of all the user interface pages of our Research website has been successfully completed. Each page was thoroughly tested for layout, functionality, and overall usability using Selenium IDE.