



Formerly DA-IICT

# 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 shows the Selenium IDE interface with a test case named "Signup\*". The test steps are as follows:

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

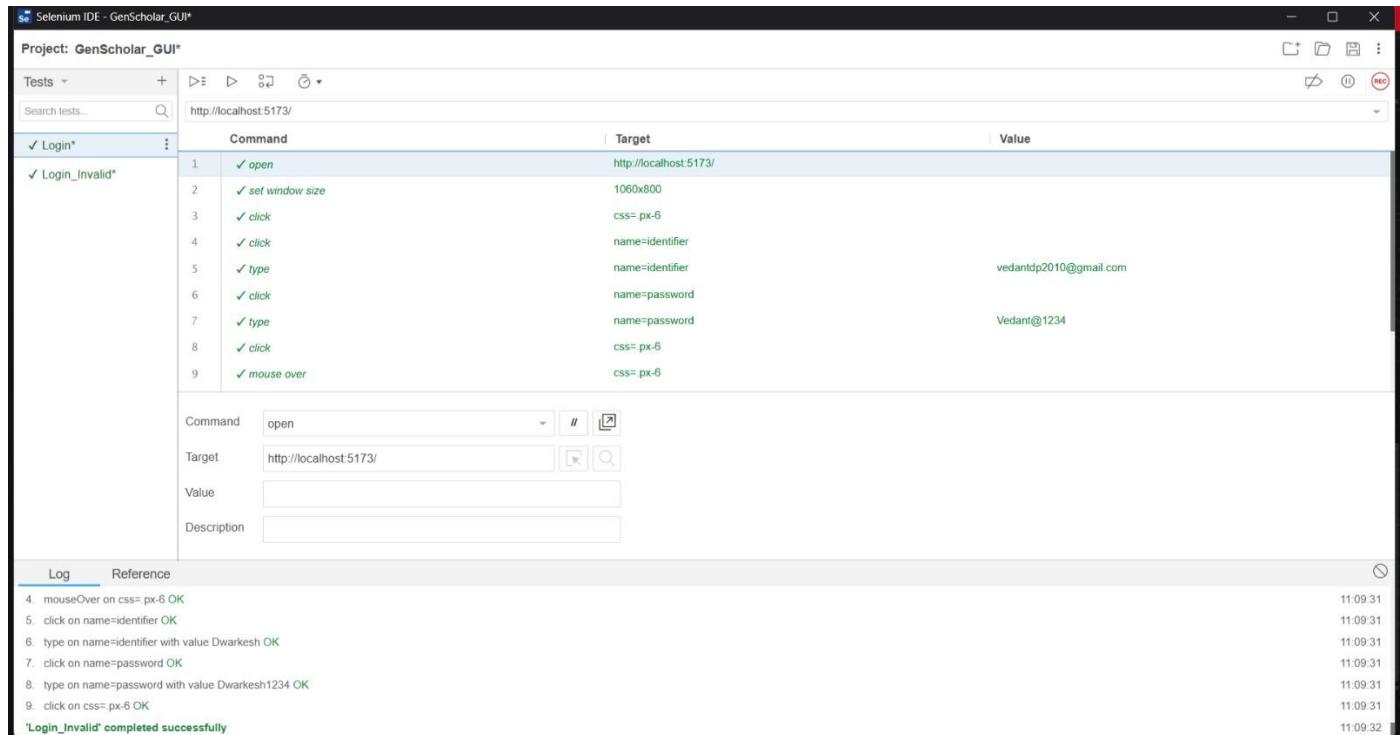
The bottom section shows the log with the following entries:

- 7. click on css=px-6 OK 11:16:43
- 8. click on name=email OK 11:16:43
- 9. type on name=email with value 202301225@dau.ac.in OK 11:16:43
- 10. click on css=px-6 OK 11:16:43

## 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 shows the Selenium IDE interface with the following details:

- Project:** GenScholar\_GUI\*
- Test Case:** ✓ Login\*
- Commands:**

Command	Target	Value
✓ open	http://localhost:5173/	
✓ set window size	1060x800	
✓ click	css= px-6	
✓ click	name=identifier	
✓ type	name=identifier	vedantdp2010@gmail.com
✓ click	name=password	
✓ type	name=password	Vedant@1234
✓ click	css= px-6	
✓ mouse over	css= px-6	
- Log:**

```

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

### 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 shows the Selenium IDE interface with the following details:

- Project:** GenScholar\_GUI\*
- Test Case:** forgot\_password\*
- URL:** http://localhost:5173/
- Test Log (Log tab):**
  - click on name=password OK
  - type on name=password with value Vedant@1234 OK
  - click on css=px-6 OK
  - mouseOver on css=px-6 .. OK
  - Trying to find css= gap-6 ..
  - click on linkText=Logout OK

'forgot\_password' completed successfully
- Test Log (Reference tab):**

Time	Log
11:12:18	click on name=password OK
11:12:18	type on name=password with value Vedant@1234 OK
11:12:18	click on css=px-6 OK
11:12:18	mouseOver on css=px-6 .. OK
11:12:18	Trying to find css= gap-6 ..
11:12:19	click on linkText=Logout OK
11:12:19	'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 shows the Selenium IDE interface with the following details:

- Project:** GenScholar\_GUI\*
- Executing:** ✓ Dashboard\*
- URL:** http://localhost:5173/dashboard
- Test Cases (Listed in the Command Table):**

Command	Target	Value
✓ open	http://localhost:5173/dashboard	1058x800
✓ set window size		
✓ click	linkText=Dashboard	
✓ click	id=theme-toggle-btn	
✓ click	id=theme-toggle-btn	
✓ click	css=gap-6:nth-child(2)	
✓ click	linkText=Profile	
✓ mouse over	linkText=Profile	
✓ mouse out	linkText=Profile	
- Test Case Details (Bottom Panel):**
  - Command: dropdown
  - Target: #dropdown
  - Value:
  - Description:
- Log:**
  - 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 ffffffafffa OK
  - 20. click on css=gap-2 > .bg-[#4FC3F7] OK
  - 'Dashboard' completed successfully
- Timestamps:**
  - 11:23:08
  - 11:23:09
  - 11:23:09
  - 11:23:09
  - 11:23:09
  - 11:23:09
  - 11:23:09

## 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 shows the Selenium IDE interface with the following details:

- Project:** GenScholar\_GUI\*
- Executing:** Workspace
- Test Case 1 (Row 1):**
  - Command:** ✓ open
  - Target:** http://localhost:5173/workspace/18
  - Value:** 1058x800
- Test Case 2 (Row 2):**
  - Command:** ✓ set window size
  - Target:** css= justify-center nth-child(2)
  - Value:** css= flex-1 > items-start
- Test Case 3 (Row 3):**
  - Command:** ✓ click
  - Target:** css= flex-1 > items-start
  - Value:** css= justify-center nth-child(2)
- Test Case 4 (Row 4):**
  - Command:** ✓ mouse over
  - Target:** css= flex-1 > items-start
  - Value:** css= justify-center nth-child(2)
- Test Case 5 (Row 5):**
  - Command:** ✓ mouse out
  - Target:** css= flex-1 > items-start
  - Value:** css= justify-center nth-child(2)
- Test Case 6 (Row 6):**
  - Command:** ✓ mouse over
  - Target:** css= justify-center nth-child(2)
  - Value:** css= justify-center nth-child(2)
- Test Case 7 (Row 7):**
  - Command:** ✓ mouse out
  - Target:** css= justify-center nth-child(2)
  - Value:** css= justify-center nth-child(2)
- Log:**
  - 18. click on css=p-4 nth-child(5) svg OK
  - 19. click on css=p-4 nth-child(5) svg OK
  - 20. click on css=p-4 nth-child(6) svg OK
  - 21. click on css=p-4 nth-child(6) > w-full OK
  - 22. click on css=mt-2 OK
  - 23. click on css=resize-none OK
  - 24. type on css=resize-none with value hiiii OK

## ❖ 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.