

# **IT314 - Software Engineering**

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**Group 9 : Pull Panda**

(AI-powered Pull Request Reviewer)

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## **GUI Testing**

Selenium IDE - se project

Project: se project

Executing: login and all

http://localhost:3000

Command	Target	Value
1 ✓ open	/login	
2 ✓ set window size	1536x816	
3 ✓ click	css=bg-black	
4 ✓ click	css=js-oauth-authorize-btn	
5 ✓ click	css=a:nth-child(2) > cursor-pointer	

Command Target Value

Runs: 1 Failures: 0 Description

Log Reference

Running 'login and all'

- 1. open on /login OK
- 2. setWindowSize on 1536x816 OK
- 3. click on css=bg-black OK
- 4. click on css=js-oauth-authorize-btn OK
- 5. Trying to find css=a:nth-child(2) > cursor-pointer... Failed.  
The page keeping the extension port is moved into backforward cache, so the message channel is closed.

'login and all' ended with 1 error(s)

Running 'login and all'

- 1. open on /login OK
- 2. setWindowSize on 1536x816 OK
- 3. click on css=bg-black OK

22:33:36  
22:33:37  
22:33:37  
22:33:37  
22:33:39  
22:33:41  
22:33:45  
22:33:49  
22:33:50  
22:33:51  
22:33:51

Selenium IDE - se project

Project: se project

Executing: login and all

http://localhost:3000

Command	Target	Value
26 ✓ mouse out	css=ug-gray-euu	
27 ✓ run script	window.scrollTo(0,922.4000244140625)	
28 ✓ click	css=a:nth-child(1) > cursor-pointer	
29 ✓ click	css=items-center > text-lg	

Command Target Value

Runs: 1 Failures: 0 Description

Log Reference

19. click on css=inline-flex:nth-child(4) OK  
 20. mouseOver on css=inline-flex:nth-child(4) OK  
 21. mouseOut on css=inline-flex:nth-child(4) OK  
 22. click on css=bg-[#0d1117]!OK  
 23. click on css=a:nth-child(3) > cursor-pointer OK  
 24. click on css=a:nth-child(4) > cursor-pointer OK  
 25. mouseOver on css=bg-gray-800 OK  
 26. mouseOut on css=bg-gray-800 OK  
 27. runScript on window.scrollTo(0,922.4000244140625) OK  
 28. click on css=a:nth-child(1) > cursor-pointer OK  
 29. click on css=items-center > text-lg OK

'login and all' completed successfully

22:35:10  
22:35:11  
22:35:12  
22:35:12  
22:35:13  
22:35:15  
22:35:16  
22:35:17  
22:35:17  
22:35:19  
22:35:20  
22:35:21

## Selenium IDE Log:

Step #	Timestamp	Action / Target	Result	Notes
1	22:33:49	open /login	OK	-
2	22:33:50	setWindowSize 1536x816	OK	-
3	22:33:51	click css=.bg-black	OK	-
4	22:33:51	click css=.js-oauth-authorize-btn	OK	-
5	22:33:52 → 22:33:54	find css=a:nth-child(2) > .cursor-pointer	Failed (Implicit Wait)	"Implicit Wait timed out after 30000ms" – run ended with 1 error

Below run includes the full successful sequence – below is every step Selenium recorded:

Step #	Timestamp	Action / Target	Result	Notes
1	22:34:27	open /login	OK	-
2	22:34:27	setWindowSize 1536x816	OK	-
3	22:34:28	click css=.bg-black	OK	-
4	22:34:28	click css=.js-oauth-authorize-btn	OK	-
5	22:34:29	click css=a:nth-child(2) > .cursor-pointer	OK	Found and clicked
6	22:34:31	mouseOver css=.inline-flex:nth-child(3)	OK	Hover
7	22:34:34	click css=.inline-flex:nth-child(3)	OK	Clicked
8	22:34:34	mouseOut css=.inline-flex:nth-child(3)	OK	-
9	22:34:36	click css=.inline-flex:nth-child(4)	OK	-
10	22:34:36	mouseOver css=.inline-flex:nth-child(4)	OK	-

11	22:34:38	mouseOut css=.inline-flex:nth-child(4)	OK	-
12	22:34:40	click css=.border-primary-border:nth-child(2)	OK	-
13	22:34:41	click css=.inline-flex:nth-child(3)	OK	-
14	22:34:42	click css=.bg-primary	OK	-
15	22:34:43	find css=.bg-primary	OK	Element present
16	22:34:43 → 22:35:07	mouseOut css=.inline-flex:nth-child(4)	OK	-
17	22:35:07	click css=.h-8:nth-child(2)	OK	-
18	22:35:07	click css=.inline-flex:nth-child(3)	OK	-
19	22:35:09	click css=.inline-flex:nth-child(4)	OK	-
20	22:35:10	mouseOver css=.inline-flex:nth-child(4)	OK	-
21	22:35:11	mouseOut css=.inline-flex:nth-child(4)	OK	-

22	22:35:12	click css=.bg-[#0d1117]	OK	-
23	22:35:12	click css=a:nth-child(3) > .cursor-pointer	OK	-
24	22:35:13	click css=a:nth-child(4) > .cursor-pointer	OK	-
25	22:35:15	mouseOver css=.bg-gray-800	OK	-
26	22:35:16	mouseOut css=.bg-gray-800	OK	-
27	22:35:17	runScript window.scrollTo(0, 922.4000244140625)	OK	Page scrolled
28	22:35:17	click css=a:nth-child(1) > .cursor-pointer	OK	-
29	22:35:19	click css=.items-center > .text-lg	OK	Final click
-	22:35:20	Run completed	OK	'login and all' completed successfully

# 1. Login & Authentication Pages

## 1.1 Login Page (Sign in with GitHub)

- On opening the website, the Login with GitHub button is visible and correctly centered.
- Clicking the Login with GitHub button redirects the user to the official GitHub authorization page.
- No Register button is present, which is correct since the user must already have a GitHub account.
- The UI is clean, readable, and aligned properly.
- The button is clickable and responds instantly.

## 1.2 GitHub Permission Confirmation Page

- After clicking Login, the app correctly displays the GitHub "Authorize PR Review Agent" page.
- The permission list is visible and readable.
- The confirmation button (Authorize prince-chovatiya01) works correctly.

## 1.3 GitHub OTP Verification Page

- When GitHub requires extra security, the OTP page loads properly.
- The OTP text field is visible and accepts input.
- The "Verify" button is clickable and redirects correctly.
- Visual elements are clean and centered with correct spacing.

## 2. Dashboard Page (After Login)

### 2.1 Repositories Overview

- After successful login, the page correctly loads all repositories of the user.
- Repository cards show:
  - Repo name
  - Description (if available)
  - Language tag
  - PR count
- The UI cards are aligned and equally spaced.

### 2.2 Dashboard Statistics

- Top tiles correctly display:
  - Total PRs Reviewed
  - Acceptance Rate
  - Active Repos
  - Open PRs
- Icons and numbers are readable and formatted well.
- Refresh button works and reloads fresh data.

## 3. Pull Requests Page

### 3.1 Navigation

- On clicking the Pull Requests tab, the PR list loads correctly.

### 3.2 PR Listing

- Each PR card displays:
  - Title
  - Repo name
  - Timestamp
  - Status badge (Open/Merged/Closed)
  - “View on GitHub” button
- All data is readable and the layout is neat.

### 3.3 Filters

- “Open”, “Merged”, “Closed” filter buttons work correctly.
- Clicking a filter updates the list instantly.
- Active filter is highlighted clearly.

### 3.4 Search

- Search bar filters PRs by title or ID correctly.

## 4. Reviews Page

### 4.1 Recent AI Reviews

- The Reviews page loads with a list of AI review activities.
- Each item displays:
  - PR number
  - Title
  - Repo
  - Time since review
  - Status (Commented, Approved, Changes Requested)
- Status tags are color-coded correctly.

### 4.2 Interaction

- List scrolls smoothly with no layout issues.

## 5. Analytics Page

### 5.1 Analytics Summary Cards

- Total PRs, AI Coverage, Response Time, and Active Repos are displayed correctly.
- Values are aligned and clearly visible.

### 5.2 Charts

- PR Status Distribution Pie Chart displays correct segmentation (Merged, Open, Closed).

### 5.3 Contributor Stats

- “Most Active Contributors” list shows correct names and PR contributions.
- Bars reflect accurate count and scale.

## 6. Logout Functionality

- Logout button is visible on every page.
- Clicking Logout properly redirects user back to the Login page.