Converge

SOFTWARE ENGINEERING(IT-314)

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GUI Testing Report

Project: Converge - Remote Work Collaboration Tool
Test type: GUI Testing
Prepared by: Ishti Patel
Browser used: Microsoft Edge
Extension used: Selenium IDE

Introduction

This report presents the GUI Testing performed for our project, *Converge – Remote Work Collaboration Tool*. The goal of the testing was to check whether the user interface is easy to use, visually consistent, and functioning correctly across all pages.

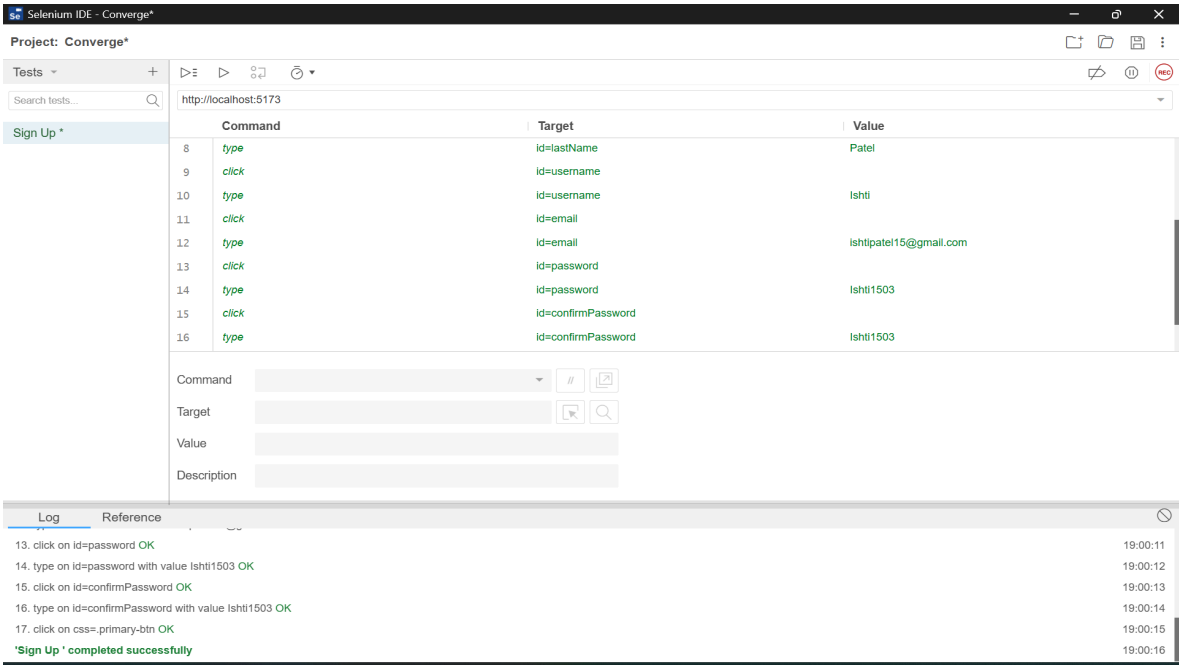
Scope of Testing

The following webpages were tested:

1. Create New Account Page
2. Login Page
3. Dashboard
4. Project Analytics page
5. Project Dashboard page
6. Update project details menu
7. Task View
8. Calendar View
9. Chat Feature
10. Navigation bar on dashboard

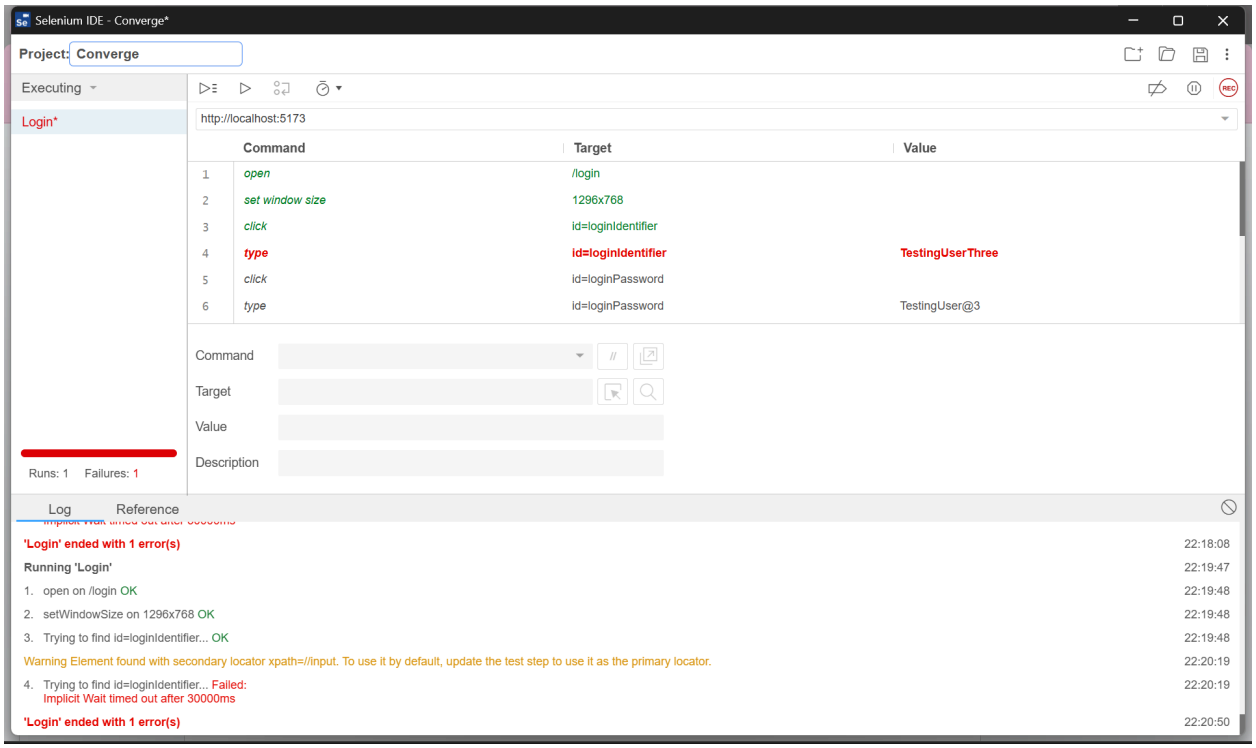
1. Create New Account

Element/Feature Tested	Results
Page Layout	All fields are properly arranged. Nothing is overlapping.
Text Fields	All input boxes (name, email, password, etc.) accept text correctly.
Labels	Labels are clear and easy to read.
Buttons	The “Send OTP” button is clickable and works properly.
Email Field	Shows an error if the email format is wrong.
Password Fields	Shows an error if passwords don’t match.
Error Messages	Error messages are visible and easy to understand.
Logo / Images	Logo is visible and aligned properly.
Keyboard Support	Can move through fields using the Tab key.



2. Login

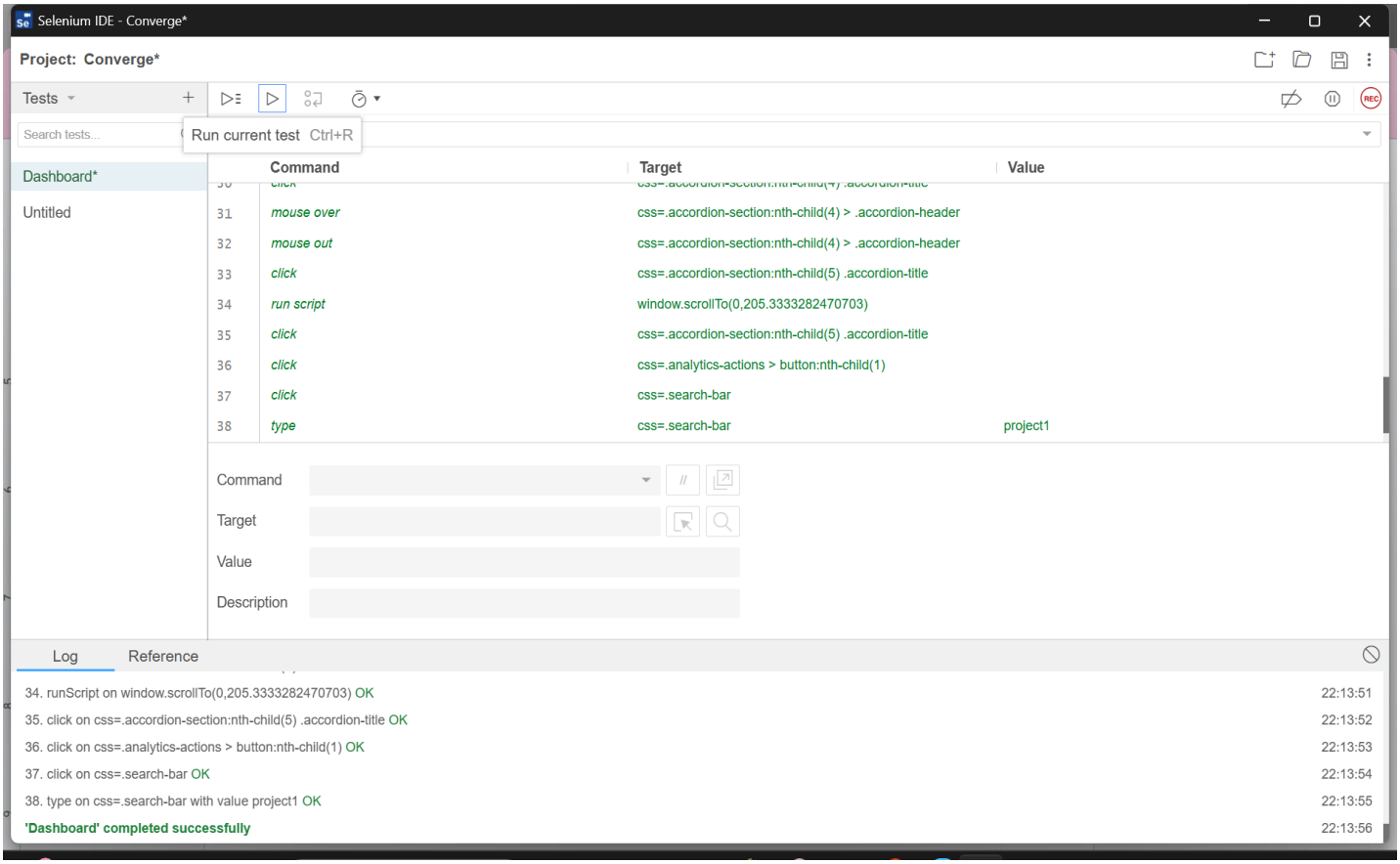
Element/Feature Tested	Results
Logo	Placed appropriately..
Buttons	“Login” and “Forgot Password” buttons work properly.
Email/Username Field	Shows an error if username/ email format is wrong.
Password Fields	Shows an error for invalid password.
Keyboard Support	Can move through fields using the Tab key.
Login with google or Create New Account buttons	Work properly.



An error was detected by selenium IDE in typing the username as it took long for the user to type the username.

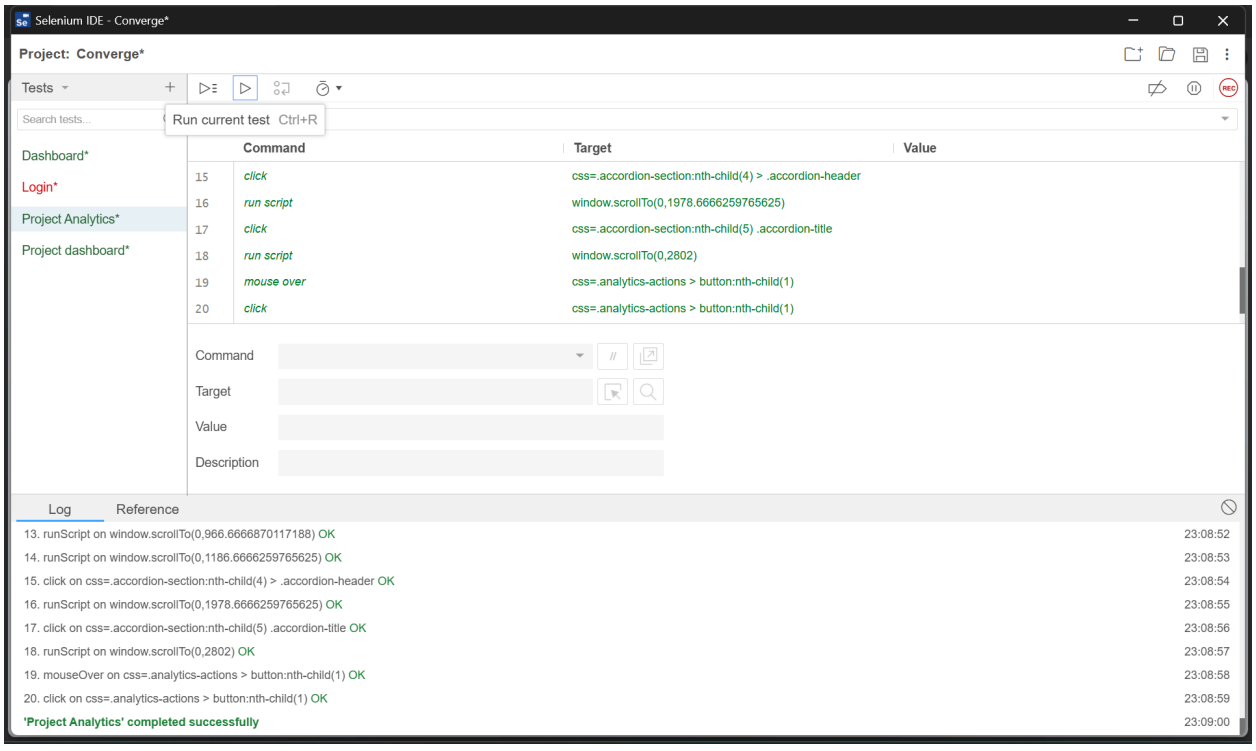
3. Dashboard

Element/Feature Tested	Result
Page Layout	All project cards, buttons, and the task panel are properly aligned.
Search Bar	Search bar is visible, clickable and working.
New Project Button	Button is clickable, and opens the project creation page.
Project Cards	Display correct information (name, date, members). No overlapping seen.
Buttons on Project Cards	"Analytics", "View Details", and "Chat" buttons are clickable and take the user to the correct page.
Team Leader Badge	Badge is visible and positioned correctly on each project card.
Tasks Panel (Right Side)	Shows active tasks and completed tasks.
Navigation Bar (Top Right)	Icons for settings, notifications, and profile are visible and working.
Logo	Visible and aligned properly at the top-left.
Scroll Behavior	Scrolling works smoothly when many projects are present.
Loading Speed	Dashboard loads quickly without lag.
Responsiveness	Layout adjusts properly when resizing the browser window.
Colors & Fonts	Colors and font sizes are consistent and easy to read.


Selenium IDE - Converge*
Project: Converge*
Tests
Search tests...
Run current test Ctrl+R
Dashboard*
Untitled
Command
Target
Value
31 mouse over css=.accordion-section:nth-child(4) > .accordion-header
32 mouse out css=.accordion-section:nth-child(4) > .accordion-header
33 click css=.accordion-section:nth-child(5) .accordion-title
34 run script window.scrollTo(0,205.3333282470703)
35 click css=.accordion-section:nth-child(5) .accordion-title
36 click css=.analytics-actions > button:nth-child(1)
37 click css=.search-bar
38 type css=.search-bar project1
Command
Target
Value
Description
Log
Reference
34. runScript on window.scrollTo(0,205.3333282470703) OK 22:13:51
35. click on css=.accordion-section:nth-child(5) .accordion-title OK 22:13:52
36. click on css=.analytics-actions > button:nth-child(1) OK 22:13:53
37. click on css=.search-bar OK 22:13:54
38. type on css=.search-bar with value project1 OK 22:13:55
'Dashboard' completed successfully 22:13:56

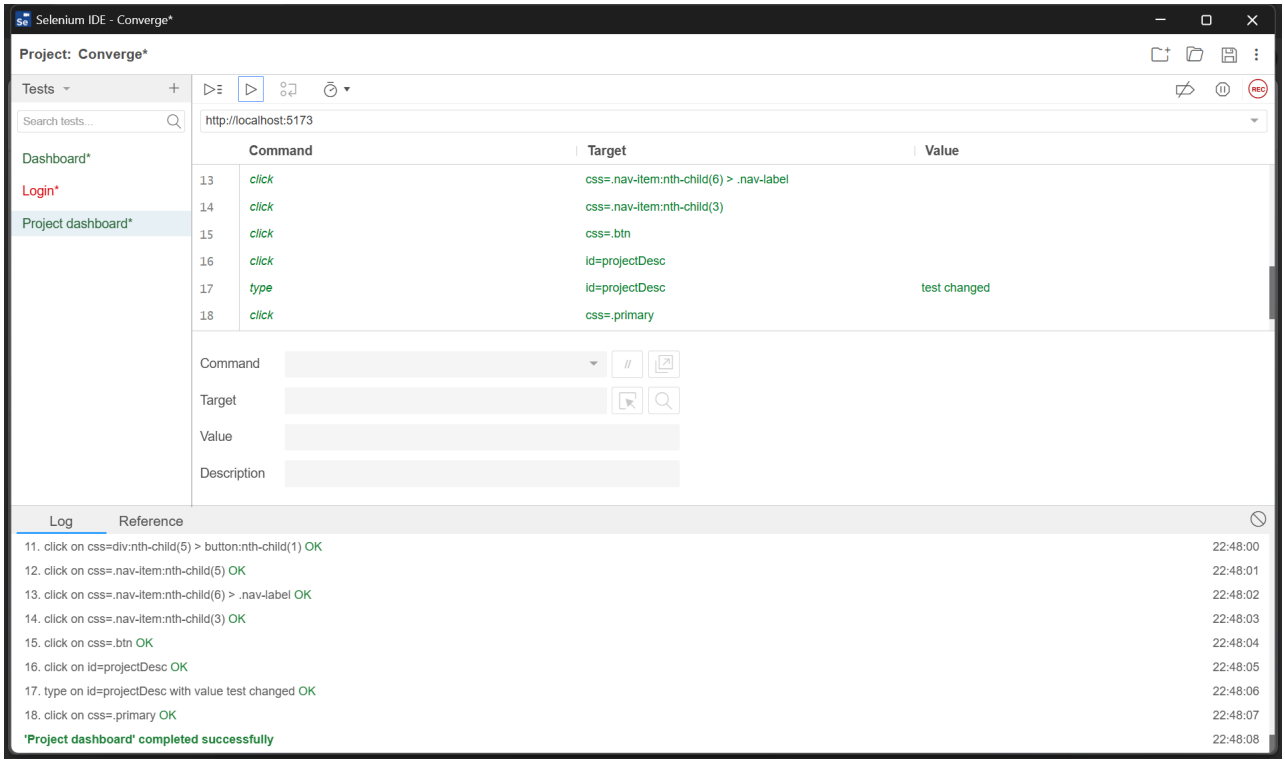
4. Project Analytics

Element/Feature Tested	Result
Buttons	Back and Refresh buttons work properly.
Analytics Section	Buttons like “Project Overview”, "Task Workflow Dashboard", “Team Activity Dashboard”, and “File Activity Dashboard” working.
Charts	All charts load properly and display task status, workload, dependencies, and priorities.
Color Coding in Charts	All charts are color-coded well.
Scrolling	Scroll works smoothly to view full analytics content.
Hover	Hover on marked points on charts give proper details.
Loading Time	Page loads within acceptable time.
Navigation Between Sections	Switching between different analytics blocks works smoothly.



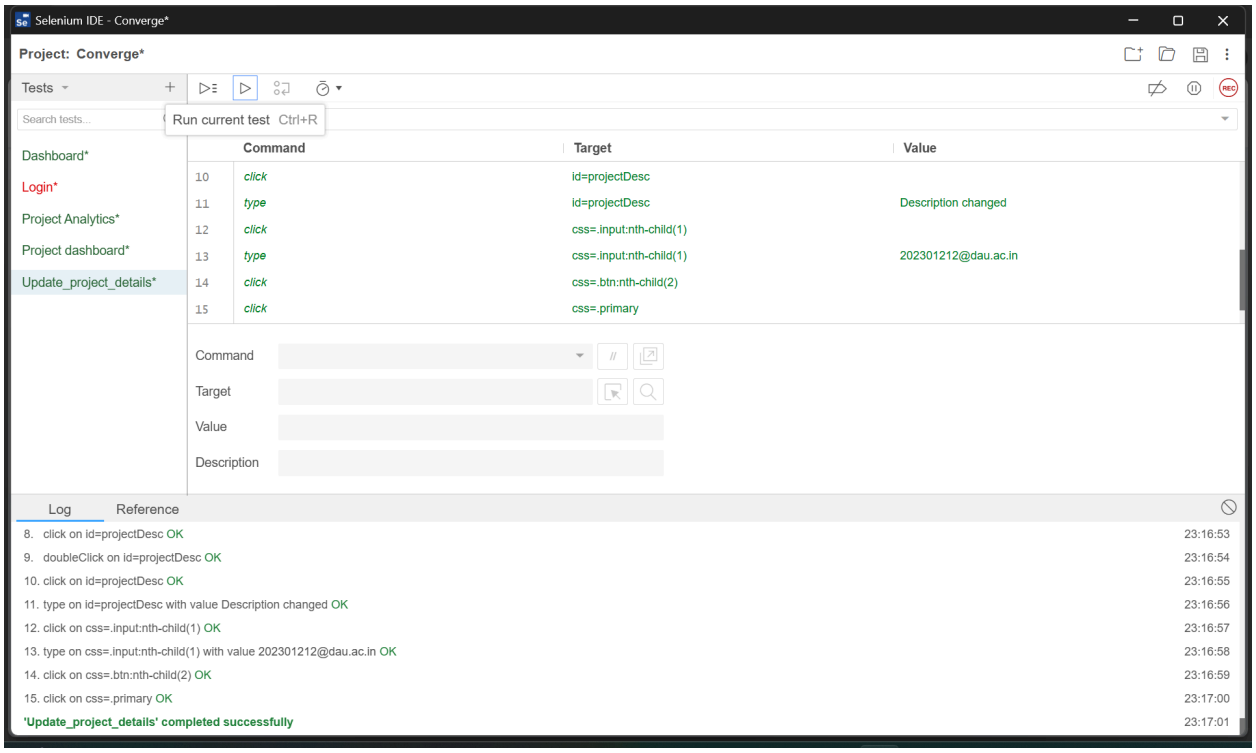
5. Project Dashboard

Element/Feature Tested	Result
Page Layout	(sidebar + content area) are well arranged. No overlapping components.
Project Title & Manager Info	Clearly visible at the top. Text is readable and properly aligned.
Sidebar Menu	Menu items (Overview, Tasks, Files, Calendar) are clickable and working. Highlighting on selection works.
Back Button	Works and redirects to the dashboard.
Update Details Button	Clickable and opens the update project menu correctly.
Summary	Description, tasks count, files count, and member count are displayed correctly.
Description Text	Clearly visible and easy to read.
Tasks View	Properly enables to create task and add dependencies .
Files View	Files displayed and uploaded properly.



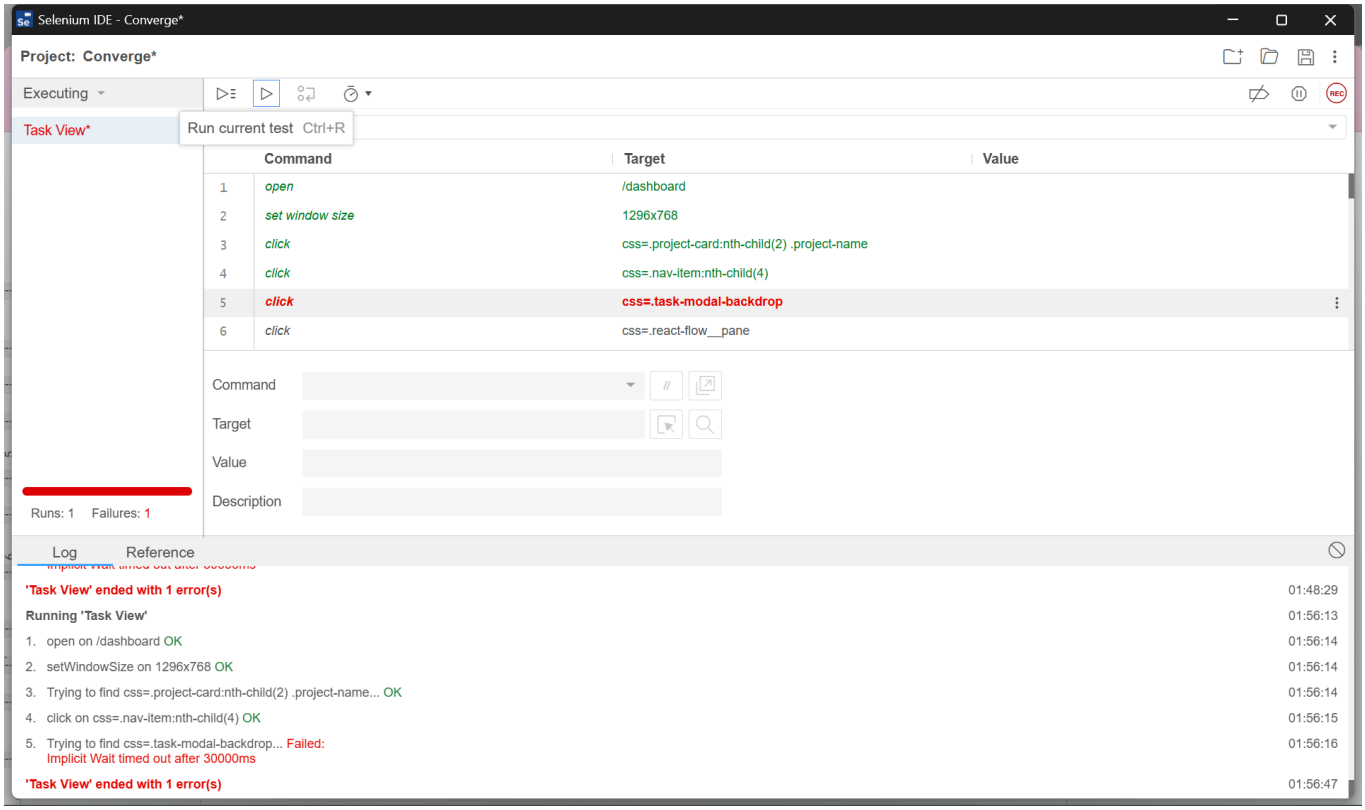
6. Update Project Details

Element/Feature Tested	Result
Input Text Fields	Accept values correctly. Existing project details load inside the fields properly.
Update Button	“Update” button is clickable and saves changes successfully.
Error Handling	Shows error if required fields are left empty.
Loading Speed	Page loads quickly and displays current project details without delay.
Keyboard Support	Tab key moves smoothly between all input fields.
Invite Members	Shows error if entered username not in database.



7. Task View

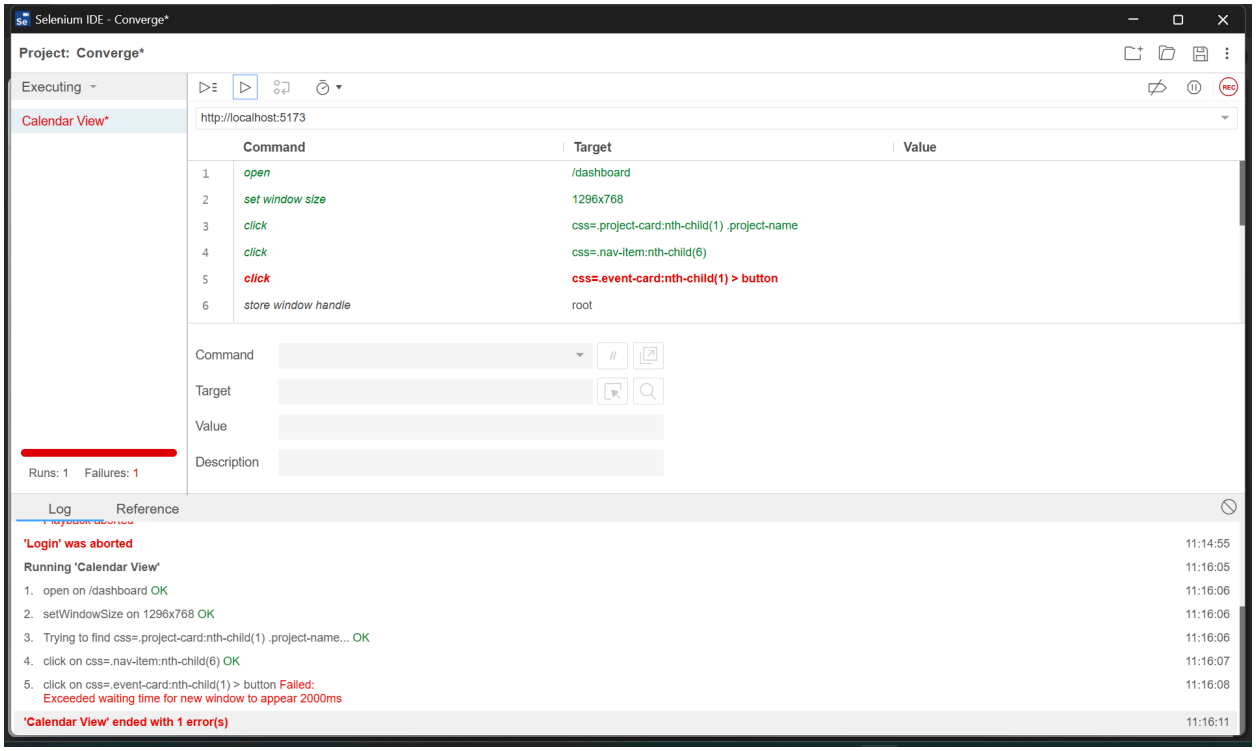
Element/Feature Tested	Result
Main content Layout	Task nodes, sidebar, buttons, and labels are properly aligned. Background has a working canvas where tasks are managed.
Task Nodes	Nodes are clear, readable, and show correct task name and due date.
Task Status Colors	Colors for task status (Completed, In Progress, Pending) are displayed correctly in the legend.
Create Task Button	Visible, clickable, and opens the task creation modal successfully.
Add Dependency Button	Clickable and allows linking two tasks.
Task Node Interaction	Nodes can be clicked, hovered, and show proper connector points.
Edges / Arrows	Dependency lines between tasks are visible and correctly connected.
Zoom Controls	Zoom in and zoom out buttons work properly.
Sidebar Navigation	Switching between Overview, Tasks, Files, and Calendar works correctly.
Back Button	Works properly and returns to the previous page.
Update Details Button	Visible and clickable; redirects to update project page.
Task Modal	Modal opens, but Selenium couldn't detect the backdrop due to timing; works fine manually.
Scroll Behavior	Page scrolls smoothly when diagram is large.
Responsiveness	Adjusts properly when resizing the browser window.
Data Accuracy	Task names, statuses, and due dates shown correctly for each task node.
Loading Speed	Task diagram loads within acceptable time.



The above error is because when a task dependency is added, it needs to be saved. So, saving the task dependency takes time.

8. Calendar View

Element/Feature Tested	Result
Sync Meetings from Google Button	Clickable and fetches updated events successfully.
Event Cards Layout	Neatly displayed. No misalignment.
Event Title & Description	Event name and description are clearly visible and readable.
Event Date/Time	Date and time are displayed correctly in readable format.
View in Google Calendar	Button works and opens the Google Calendar.
Scrolling	Smooth scrolling when many events are listed.
Responsiveness	Page adjusts normally when resizing the browser window.
Loading Speed	Loads quickly without noticeable delay.



The error is because takes some time to load the google calender when clicked on the 'View in google calendar' button.

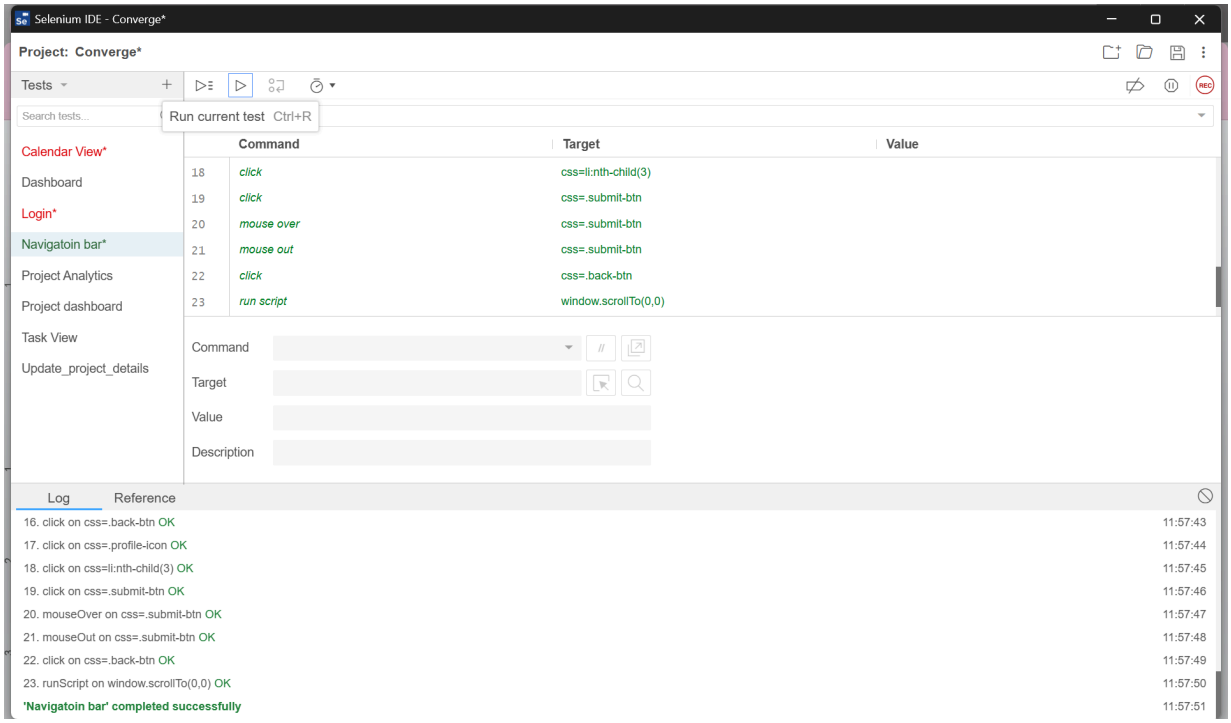
9. Chat feature

(Tested manually)

Element/Feature Tested	Result
Page Layout	Chat sidebar, chat window, header, and input box are properly aligned. No overlapping components.
Team Members List	Member names are clickable, and selecting a member opens the correct chat.
Group Chat Button	Works correctly; switches to group chat mode.
AI Chat Button	Clickable and opens the AI chat section properly.
Summarize Button	Works and opens chat summary pop-up.
Search Bar	Accepts text and filters messages smoothly. Placeholder text is visible.
Chat Messages Display	Messages clearly visible, with proper spacing and time stamps.
Reply Option	Reply button visible and clickable for each message.
Message Input Box	Accepts text normally and displays placeholder.
Send Button	Send button is clickable and sends messages successfully.
Attachment Icon	Works well for file uploads.
Scroll Behavior	Scrolling works smoothly for long chat history.
Online / Offline Indicator	Shows user status correctly.
Back Navigation	Back arrow works properly and returns to the dashboard.
Loading Speed	Chat loads quickly without lag.
Icons	Icons for send, attach, reply, search enhance user interface.

10. Navigation bar of dashboard page

Element/Feature Tested	Result
Logo Display	Visible and properly aligned on the left.
Search Bar	Works, accepts text, and has proper placeholder.
Settings Icon	Clickable and opens the Settings page correctly. Allows to change password ans save changes.
Notifications Icon	Visible with a red badge count; clicking opens notifications page properly.
Profile Icon	Visible and clickable. Opens a dropdown menu.
View Profile (under profile menu)	Works correctly and redirects to the profile page. User profile visible and well aligned.
Settings (under profile menu)	Works and opens the settings section.
Hover Effects	Icons highlight slightly on hover; works properly.
Alignment	All icons and search bar are aligned correctly horizontally.



Conclusion

The above GUI tests show that most features of Converge worked correctly.
– Pages load properly
– Buttons are working and responded as expected
– All main functionalities such as creating project, viewing tasks, updating project details, chatting worked without major issues.
– Small delays were observed due to API response time.
– Overall interface is clean, responsive, and user-friendly.