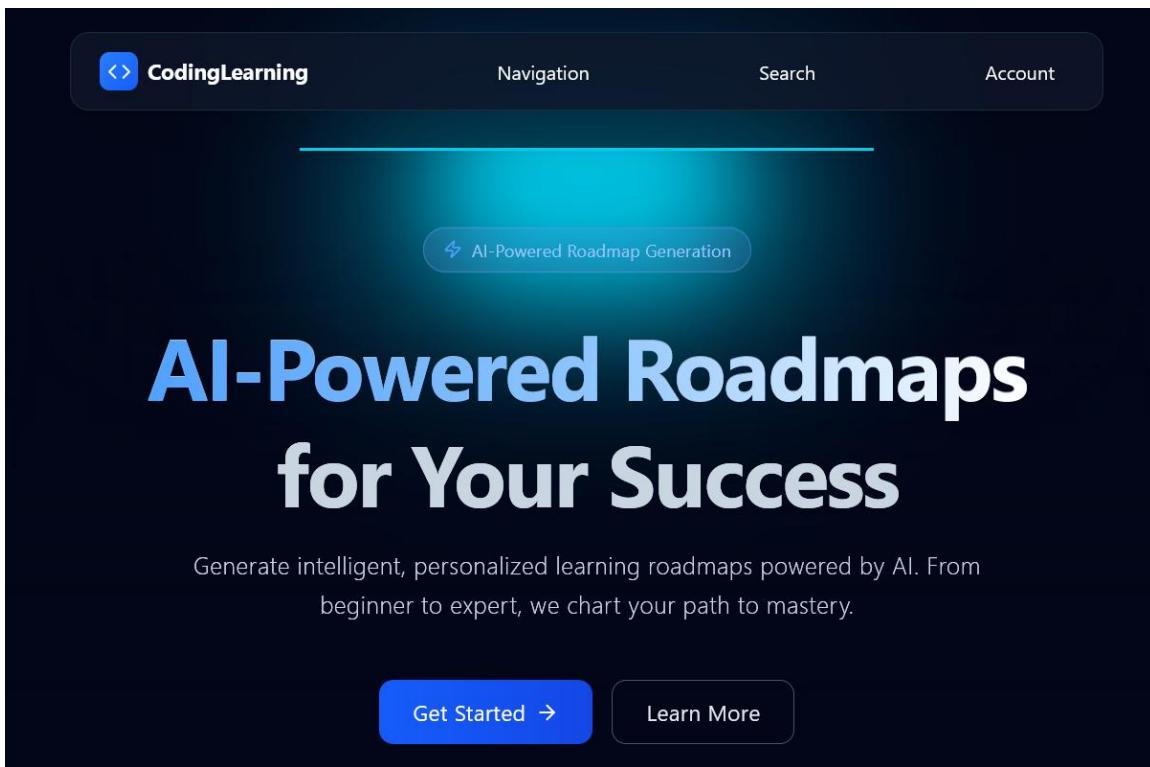


Selenium GUI Test Report

Automated GUI Testing using Selenium IDE
Coding Learning Platform

Introduction

The objective of this report is to document the results of automated Graphical User Interface (GUI) testing performed on the Coding Larning Platform using Selenium IDE. This report synthesizes findings across the Coding Learning Platform, covering the login page, registration page, forgot password flow, dashboard functionality, roadmap generation module, AI chat-bot feature and built-in IDE interactions.



Scope of Testing

The scope includes functional GUI validation, navigation behavior, user inputs, page responsiveness, and component visibility across major modules of the platform.

Test Environment

Tool Used	Selenium IDE
Test Type	Automated GUI Testing
Browser	Google Chrome / Firefox
Operating System	Windows 10/11

Modules Tested

- Sign Up (Email / OAuth)
- Sign In (Email / OAuth)
- Home Page UI
- NavBar Navigation & Search
- Roadmaps Page
- Roadmap Detail Page (Chat / IDE)
- Code Generator (Basic & Advanced)
- Contact Page UI
- About Page UI

The screenshot shows the Cypress Test Runner interface with the following details:

- Project:** SE_Code_learning*
- Status:** Paused in debugger
- Test List:** A sidebar on the left lists various test cases with status indicators (green checkmark) and names:
 - About*
 - HomePage
 - NavBar
 - NavBar_Search
 - NavBar_Account
 - RoadmapDisplay
 - RoadmapPage_Chat
 - RoadmapPage_IDE
 - Signup_using_OAuth
 - SignIn_Using_Email
 - SignIn_Using_OAuth
 - contact
 - generator_basic
- Test Run Control:** Top center features a play/pause button, a search bar with placeholder "Search tests...", and a recording indicator.
- Test Run Details:** The main area displays the current test run details for "About*". It includes sections for Command, Target, Value, and Description, each with input fields and associated icons.
- Log and Reference:** At the bottom, there are tabs for Log and Reference, and a status bar indicating "Paused" with a timestamp of 11:04:07.
- Bottom Status Bar:** Shows the current step number (3), a progress bar, and a timestamp of 11:04:08.

Area Tested	Scope	Status
Visual design	Colors, fonts, spacing, alignment	Passed
Functionality	Input field behaviour, button states, error message popup	Passed
Usability	Clarity of labels, ease of interaction	Passed
Responsiveness	Layout stability, loading time	Passed
User friendly	Easy navigation, smooth work flow	Passed

Defects Observed

During automated execution, the following usability and functional defects were observed:

Defect	Description
IDE Save Issue	Saved file cannot be stored; save actions do not execute.
Navbar Hover Failure	Navbar dropdown disappears if the cursor does not move quickly to the submenu.
Footer components unresponsive	When clicked on, the pricing button does not lead to any page

Conclusion

All primary GUI functionalities of the **Coding Learning Platform** performed reliably across the tested modules. Automated navigation and interaction testing validated consistent UI behavior. However, usability issues related to the IDE save feature and navbar hover mechanics require corrective action.

The system is suitable for further performance, stress, and scalability testing.