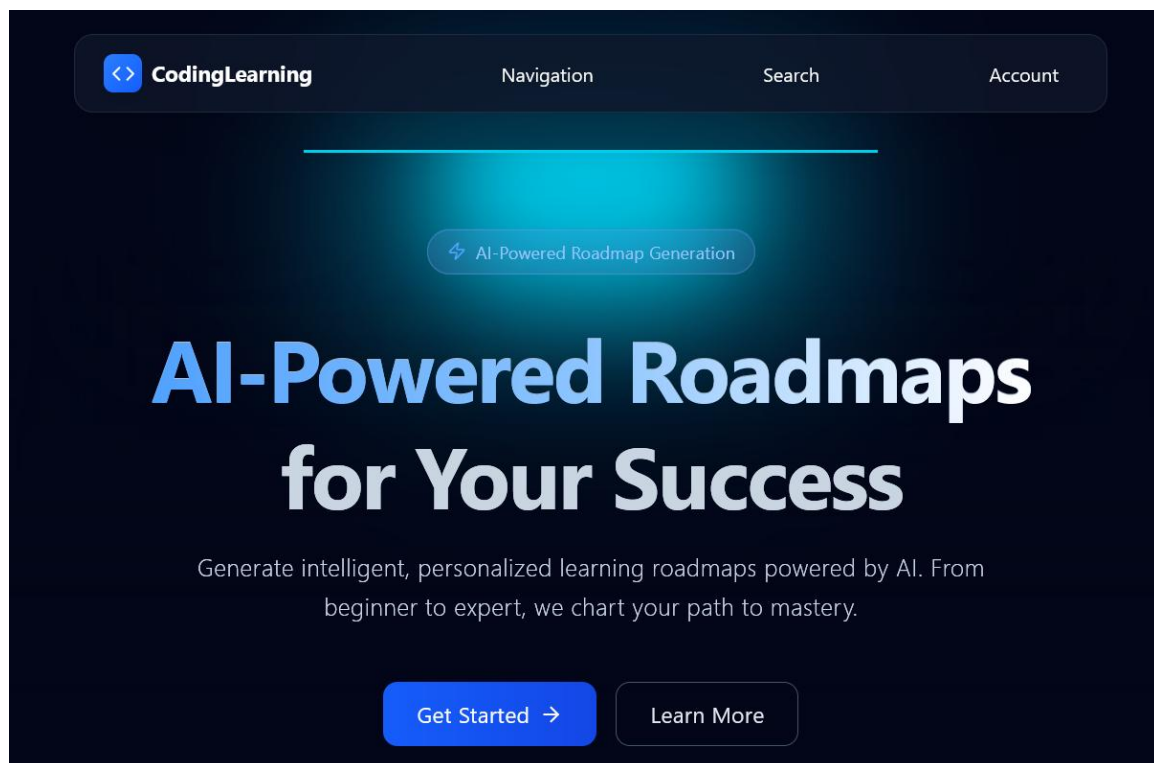


# Selenium GUI Test Report

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 Learning 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



## 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.