Milestone 01: Problem Definition & System Design

Software testing is a critical phase of the software development lifecycle. Manual creation of test cases is time-consuming and error-prone.

This milestone focuses on identifying the problem and designing a high-level architecture for an AI-based automated test case generation system.

The proposed system accepts natural language instructions and converts them into automated Playwright test scripts.

A modular architecture is designed consisting of UI, NLP parser, test generator, executor, and report generator.