

1. Project Overview

Project Name: Website Testing Automation Tool

Start Date: Feb 24 2025

End Date: Apr 11, 2025

2. Objectives

Develop a tool to automate functional, performance, and security testing of websites.

Integrate the tool with CI/CD pipelines for seamless testing.

3. Milestones

Milestone 1: Requirements Gathering Completion - Feb 24, 2025

Milestone 2: Development Phase Completion – Apr 10, 2025

Milestone 3: Final Presentation and Testing – Apr 11, 2025

4. Deliverables

Functional website testing automation tool.

User documentation and setup guide.

Sample test cases and reports.

5. Timeline (Gantt Chart)

Phase 1: Requirements Gathering (Feb 24)

Stakeholder meetings

User stories and use cases

Phase 2: Design (March 01 – March 15, 2025)

System architecture design

UI/UX design

Phase 3: Development (March 15 – Mar 30, 2025)

Tool development

Integration with CI/CD

Phase 4: Testing (March 30 – Apr 10, 2025)

Functional testing

Performance testing

Security testing

Phase 5: Final Presentation (Apr 11, 2025)

6. Resource Allocation

Team Members:

[Team Member 1] - Role: Developer

[Team Member 2] - Role: Tester

[Team Member 3] - Role: Project Manager

Tools and Technologies:

Selenium, JUnit, Jenkins, GitHub

7. Risk Assessment

Risk 1: Delays in requirements gathering

Mitigation: Schedule regular check-ins with stakeholders.

Risk 2: Technical challenges during development

Mitigation: Allocate time for research and prototyping.

8. Key Performance Indicators (KPIs)

Number of test cases automated.

Reduction in testing time compared to manual testing.

User satisfaction rating of the tool.

9. Conclusion

This project plan outlines the roadmap for developing the Website Testing Automation Tool, ensuring timely delivery and alignment with project objectives.