A Web Testing Study for an EXP Company Project

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***Abstract*—This undergraduate thesis investigates a web-testing study associated with an EXP company project. A web sales service needs checks of user flows, API responses, and performance under defined test conditions. The thesis reviews Selenium, Postman, and Apache JMeter. Although its cover names an EXP company website, the practical testing chapter explicitly uses the Savani retail website as its test case and shows selected scenarios. The source reports a limited set of functional, API, and performance-testing exercises. Its conclusion recognizes that the Selenium work is a simulation of basic flows and has not been adopted as a full enterprise test framework. The difference between cover title and tested website matters for interpretation. No verified testing of an EXP production website, complete coverage, or general performance certification is established. The contribution is a documented student study or prototype whose stated scope can guide further testing.**

***Index Terms*—web testing, Selenium, Postman, JMeter**

I. Introduction

A web sales service needs checks of user flows, API responses, and performance under defined test conditions. This thesis investigates a web-testing study associated with an EXP company project. It begins from a practical engineering need and explains the technologies and workflow chosen for the case. The objective is to document a student implementation or comparative investigation, together with the evidence available in the manuscript. Broader operational or economic effects require separate measurements and are not assumed from the existence of a prototype [1]. Earlier ICTU student work on related designs is included here for context [2], [3], [4], [5], [6], [7], [8], [9], [10]. These contextual works were selected for this English summary; they are not asserted to appear in the original thesis bibliography.

II. Methods

The thesis reviews Selenium, Postman, and Apache JMeter. Although its cover names an EXP company website, the practical testing chapter explicitly uses the Savani retail website as its test case and shows selected scenarios. The source is summarized through its stated design, implementation material, examples, and conclusion. Features shown in the manuscript are distinguished from proposals for later development. This review does not add a new experiment, fill missing measurements with estimates, or treat a planned capability as an observed result. The source thesis remains the provenance for the reported work [1].

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III. Results

The source reports a limited set of functional, API, and performance-testing exercises. Its conclusion recognizes that the Selenium work is a simulation of basic flows and has not been adopted as a full enterprise test framework. The report's screens, configurations, examples, or measurements constitute the evidence for this summary. A capability described only as a design intention is not counted as a validated operational outcome. No additional performance, adoption, financial, or safety figure has been introduced here. The result is interpreted within the scope of the student's documented setup [1].

IV. Discussion

The difference between cover title and tested website matters for interpretation. No verified testing of an EXP production website, complete coverage, or general performance certification is established. A later study could align the title and target system, specify test data and expected results, and repeat the cases on the intended site. These limitations affect how the evidence should be read. The current manuscript can support understanding of the design and reported demonstration, while independent tests would be needed for stronger claims. Any later deployment should document its environment and separate observed outcomes from intended benefits [1].

V. Conclusion

The thesis documents a web-testing study associated with an EXP company project. The source reports a limited set of functional, API, and performance-testing exercises. Its conclusion recognizes that the Selenium work is a simulation of basic flows and has not been adopted as a full enterprise test framework. The difference between cover title and tested website matters for interpretation. No verified testing of an EXP production website, complete coverage, or general performance certification is established. A later study could align the title and target system, specify test data and expected results, and repeat the cases on the intended site. Accordingly, the present contribution is a source-grounded account of the student work and its tested or illustrated scope. Claims about broader effectiveness should be assessed in later work using explicit evaluation conditions [1].

References

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