**SE 4485: Software Engineering Projects**

Spring 2024

**Test Plan**

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| --- | --- |
| Group Number | 10 |
| Project Title | Internet Research Assistant |
| Sponsoring Company | The Fellows Consulting Group |
| Sponsor | Jeff |
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ABSTRACT

* summary of the entire document

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INTRODUCTION

* introduction to the entire document
* purpose and scope of the document
* description of the structure of the document

REQUIREMENTS/SPECIFICATIONS-BASED SYSTEM LEVEL TEST CASES

TECHNIQUES FOR TEST GENERATION

* specify which techniques are used for test generation
* black box-based testing versus white-box based testing
* specify which criteria are used for measuring the quality of your tests

TRACEABILITY OF TEST CASES TO USE CASES

* provide a mapping between test cases and use cases
* clearly describe how each requirement in the *Requirements Documentation* is captured in testing

EVIDENCE THE TEST PLAN HAS BEEN PLACED UNDER CONFIGURATION MANAGEMENT

1. Name of the CM tool: GitHub
2. Version number of before:
3. Version number after:
4. Difference between the two:
5. Review of each change:
   1. Before: Added standards and references, added cover page, fixed document outline.
   2. After:
6. Other info:

ENGINEERING STANDARDS AND MULTIPLE CONSTRAINTS

* IEEE Std 829-1983: Software Testing
* ISO/IEC/IEEE Std 29119-1-(Revision-2022): Part 1 - Software Testing General Concepts
* ISO/IEC/IEEE Std 29119-2-(Revision-2021): Part 2 - Test Process
* ISO/IEC/IEEE Std 29119-3-(Revision-2021): Part 3 - Test Documentation
* ISO/IEC/IEEE Std 29119-4-(Revision-2021): Part 4 - Test Techniques
* IEEE Std 830-1998: Recommended Practice for Software Requirements Specification
* ISO/IEC 25010:2023: Systems and software engineering SQuaRE
* ISO/IEC 27001:2022- Information security, cybersecurity and privacy protection
* ISO 9241-210:2019- Ergonomics of human-system interaction – Part210: Human-centred design for interactive systems.

ADDITIONAL REFERENCES

* Jorgensen, P.C., 2013. Software Testing: A Craftsman's Approach. Auerbach Publications
* Mathur, A.P., 2013. Foundations of Software Testing, 2/e. Pearson Education