

Milestone 3

Team Sriram

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Changes (based off Git commits)

Date Time	Description
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1 Executive Summary

TODO: [Richard]

2 Introduction

TODO: [Richard]

3 Project Background

4 Usability Requirements

- User should be able to familiarize himself or herself with the software within one hour
- Ask Tim about task times for use cases
- The client will judge the usability of the program
- Ask Tim about the existence of an online help system/documentation
- Ask Tim about what usability standards we will adhere to

5 Performance Requirements

- Searches should take no longer than 5 seconds
- Ask Tim about Throughput and Capacity
- Ask Tim what should happen, if anything, when the system has been degraded (degradation modes)

6 Reliability Requirements

- Availability
- Mean time between failures
- Mean time to repair
- Accuracy
- Maximum bugs/defect rate
- Bugs per type
- Cyclomatic complexity

7 Supportability Requirements

- Should be able to be supported by open source community and the client
- Ask Tim about the effort required to add a function to the software
- Ask Tim about how API should tie into supportability
- Ask Tim how easy it should be to repair the software

8 Hardware and Software Interfaces

- Ask Tim if there are any hardware interfaces (how much do we need to worry about UPC scanners)
- The product will be designed for compatibility with Chrome and Firefox browsers
- The product will utilize SQLite

9 Documentation, Installation, Legal, and Licensing Requirements

- Ask Tim about what open source license to use
- Ask Tim about what level of documentation is required
- Installation should only require installing the necessary packages and putting the code in the web server directory
- Ask Tim about his standards on commenting in the code

10 Design Constraints

- The project must be open source
- The project must be completed within five months
- The project must be completed without funding from the client
- The project must utilize REST, not SOAP
- Develop in Ruby utilizing Sinatra for web framework
- Accessible via the web.

11 User Interfaces

12 Index and Glossary

13 References