Test Plan

Shopping List Software App, Group 2

12/08/16

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# Version History

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| **Date** | **Author** | **Description** |
| 2016/12/01 | Spencer Haggard & Marissa Staller | Test Plan Creation |
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# Introduction

The purpose of the planning phase is to:

* **Define the scope:** The scope of work for the Shopping List Project includes all planning, execution, implementation, and testing for a new Shopping List website for Eleven Fifty Academy.
* **Identify objectives and risks:**
* **Objectives:** This project was intended to give us real-life experience working within a team, as well as experience with roles such as technical lead, project manager, and tester.
* **Risks**: This was the first time experiencing technical teamwork for most apprentices. Many students differed widely in technical expertise, which had the potential to cause difficulties as time spent(effort) was not always reflected in the product that was produced and some apprentices taking over more duties than others, which had the potential to cause conflict within teams. This was also the first time using Jira for most apprentices.

**The input of the planning phase is:**

* Any existing project documentation (SOW, TDD, requirements, mock-ups, relevant customer meeting notes). Please see the test plan input table on last page for supporting documentation, as well as links to the files.

**The output of the planning phase is:**

* A Formal Test Plan document
  + In general, the test plan document will serve to inform PM, testers, developers and customers (internal and external) about the project’s testing strategy including:
    - **Objectives:** Using skills built in class (Java, Spring, HTML, CSS, etc, build a web app that can keep track of a user’s shopping lists).
    - This is the first testing of the beta program before deployment.
    - **Methods:** Spring MVC model, HTML, CSS, Heroku deployment
    - **Milestones** (from Statement of Work):
      * Bronze stage
      * Silver stage
      * Gold stage
    - **Required Resources:** Working knowledge of Java, Spring, Thymeleaf, Hibernate, and relational databases (SQL), HTML.

# Test Plan Scope

(From Stack Overflow: <http://stackoverflow.com/questions/402161/black-box-vs-white-box-testing>)

**Black box testing**

* takes an external perspective of the test object to derive test cases. These tests can be functional or non-functional, though usually functional. The test designer selects valid and invalid input and determines the correct output. There is no knowledge of the test object's internal structure.

## Test Pass 1:

* Objective
  + This is the first and only pass on Team 2’s shopping application list.
* Scope
  + Features to Test
    - Please see document ReleaseNotes.docx
  + Environments to Test
    - Please use a Chrome browser and a desktop or laptop computer.
* Milestones
  + Bronze level feature sets are completed. Some features of the silver feature set and some features of the gold feature set have been completed. See ReleaseNotes.docx for more details.

# Test Plan Input

|  |  |  |
| --- | --- | --- |
| **Document Title** | **Document Filename & File Link** | **Description** |
| Statement of Work <SOW> | SOW.ShoppingListApp.doc  <https://docs.google.com/document/d/1HUpqcbsZmAgIckQOt0_J3OJ_l8R9MffHq9IHMCKyZas/edit?usp=sharing> | Document outlining the description of the project, the scope of work, the phases of work, acceptance criteria, as well as criteria to meet “bronze”, “silver”, and “gold” feature sets. |
| Technical Design Document <TDD> | Technical Design Document.doc  <https://docs.google.com/document/d/188N9kp0b4xSlIe1DLP0AhrLyTRk4O3ty3ISmAC_JvXw/edit?usp=sharing> | Provided a brief explanation of the MVC model for unfamiliar readers to outline the technological architecture of the project, data models to be used for each bean, as well as Balsalmiq wire frames for different page views. |
| ShoppingListTestCase | Shopping\_List\_Test\_Case.xls  <https://drive.google.com/file/d/0B6qnBZLb45t_cTVVOUFoNEItNjA/view?usp=sharing> | Test Case writer for Team 5’s tester to test our Heroku application. |
| Release Notes | ReleaseNotes.docx  <https://drive.google.com/file/d/0B6qnBZLb45t_NHpkUE1mb3lCTG8/view?usp=sharing> | Release notes for this 0.0 version release. |
| <JIRA> | <Link to JIRA Project>  <http://1150apprentices.com/jira/secure/RapidBoard.jspa?rapidView=26&projectKey=SHJ2> | Jira link |
| <Link to app under test> | <http://shoppinglist-java2.herokuapp.com/login> | Shopping List web link |
|  |  |  |
| **Internal documents:** |  |  |
| Project Plan | Project Plan.xls  <https://docs.google.com/spreadsheets/d/1CJbsv53wTrEzDHyFju8N3Zal3az0kWtEj3eXttr8qmU/edit?usp=sharing> | Broke project into small workable steps so that tasks could be assigned and file structure could be understood as parts of a whole. |
| Endpoints | Endpoints.xls  <https://docs.google.com/spreadsheets/d/1Jk6G3udvwU2sOePGKsTia39AbRPik4xQIEHVVG86VzM/edit?usp=sharing> | Shows purposes of request types as well as URL Endpoints to help us work together as a team and better plan the project. |

**Google Link to access all documents below:** <https://drive.google.com/drive/folders/0B6qnBZLb45t_SUhPSEd1dm1sMGc?usp=sharing>