Software Test Plan

Cooking Companion Web Application

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Team GCC

Computer Science Dept/CSUN

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1. INTRODUCTION

Our product is a cooking website where users can discover new recipes to cook. Users will enter their pantry which our software will then give the user back recipes they can create using their pantry ingredients.

2. OBJECTIVES & TASKS

2.1 Objectives

The objective of the software test plan is to provide an organized method and an outline for testing our product when complete.

2.2 Tasks

The tasks will be to test all the features of our website spelled out in our Software Requirements Specification document

3. SCOPE

The features spelled out in our Software Requirements Specification document are the one to be tested.

4. TESTING STRATEGY

4.1. Unit Testing

Unit testing is not applicable for our project because the project is a website which has many parts that work in contribution with each other and produce visual results. Because of this we will test the project via demonstration instead of unit testing.

4.2 System and Integration Testing

Definition:

System and Integration Testing encompasses testing the system of the software and how that system is integrated into the software.

Participants:

Edgar Kilamyan, Leo Asadourian, Artin Simonian, Arthur Hakobyan, Edrik Zohrabi

Methodology:

Tests will be conducted in a timely manner which will allow programmers enough time to sort out any issues found during testing.

4.3 Performances and Stress Testing

Definition:

Stress testing is the process of pushing the software to its limit to check performance. For the purpose of our project we will be limiting the number of active users to one user since our api will not be able to handle more users.

Participants:

N/A

Methodology:

N/A

5. ENVIRONMENT REQUIREMENTS

Tests will be conducted on any device with internet access. It is also assumed that it will use a browser equipped with HTML 5.

- Chrome 8 +
- Firefox 4+
- Safari 5.1 +
- Edge
- IE 11
- Opera 12.1 +

6. TEST SCHEDULE

SRS Req. ID	Verification Method	Date
ID: FR_1	Demonstration	04/01/2023
ID: FR_2	Demonstration	04/01/2023
ID: FR_3	Demonstration	04/01/2023
ID: FR_4	Demonstration	04/01/2023
ID: FR_5	Demonstration	04/01/2023

SRS Req. ID	Verification Method	Date
ID: FR_6	Demonstration	04/01/2023
ID: FR_7	Demonstration	04/01/2023
ID: FR_8	Demonstration	04/01/2023
ID: FR_9	Demonstration	04/01/2023
ID: FR_10	Demonstration	04/01/2023
ID: UIR_1	Demonstration	03/15/2023
ID: UIR_2	Demonstration	03/15/2023
ID: UIR_3	Demonstration	03/15/2023
ID: SIR_1	Test	TBD
ID: SIR_2	Test	TBD
ID: SEC_1	Test	TBD
ID: SEC_2	Demonstration	TBD
ID: CAP_1	Demonstration	TBD

SRS Req. ID	Verification Method	Date
ID: COMP_1	Demonstration	TBD
ID: SCA_1	Demonstration	TBD
ID: USA_1	Demonstration	TBD

7. CONTROL PROCEDURES

Problem Reporting

Problems during testing will be reported using Appendix I attached to this document.

Change Requests

Any and all changes will be discussed among the team and approved by the team lead.

8. RESOURCES/ROLES & RESPONSIBILITIES

Tests may be conducted through a computer (desktop or laptop) that has access to the internet. When the time comes to test the requirements, previously written out in the Software Requirements Specification document, the team will test the requirements together and fix issues together.

9. RISKS/ASSUMPTIONS

In case a requirement is not being met on time, all team members will work together to fix any issues to make sure the issue is resolved as soon as possible.

Appendix I: Problem Reporting Table

SRS Req. ID	Issue Description	Date