**TEST PLAN**

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# **Introduction**

Coffee Maker is intended to keep track of coffee recipes and the machine’s inventory. The software further allows for coffee to be ordered, and then dispensed.

## Objectives

Coffee Maker is intended to keep track of coffee recipes and the machine’s inventory. The software further allows for coffee to be ordered, and then dispensed.

## Team Members

|  |  |
| --- | --- |
| **Resource Name** | **Role** |
|  |  |
|  |  |
|  |  |

# Scope

The scope will cover the verification of the main functionality of each individual module. Therefore, the respective components should be tested in terms of both their core functionality and also to verify the absence of any possible out-of-boundary cases,

such as user input data validation Create a automation test with as many steps as necessary.

Test will be done for both class recipe, recipe book, and Inventory.

The class recipe consists of recipes for the coffeemaker, Setamtchocolate , SetamtSugar, SetamtMilk, SetamtCoffe,SetName, SetPrice and equal to object togather

The class recipeBook consists array of recipes for the coffeemaker, how to add delete and edit Recipe.

The class Inventory that creats a coffeemaker Inventory, return the units of each item in it, how to add item, Removes the ingredients used to make the specified recipe,checked that there are enough ingredients to make.

a tester must be able to:

1. Create a automated test with as many steps as necessary

2. Save it

3. Retrieve it and have the ability to view it when running the test

4. Enter results and appropriate comments

5. View results

# 3 Assumptions / Risks

## Assumptions

This section lists assumptions that are made specific to this project.

1. Delivery of the product is in format that the test team can check it into CVS.

## Risks

The team acknowledges the potential risks of not having access to the hardware, in order to test the software in that regard and also not having a complete requirements specification document.

# Test Approach

## Test Automation

Automated unit tests are part of the development process, JUnit has become a recommended standard for testing the projects written in Java language and Iam using it in this Project.

I have created a package for the Test Bag, and each method in its class has its own Test Bag with all the possibilities being mechanized

# Test Environment

Eclipse

Junit4 Testing Framework.

Excel

# Milestones / Deliverables

## Test Schedule

The initial test schedule follows……….

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task Name** | **Start** | **Finish** | **Effort** | **Comments** |
| Test Planning |  |  |  |  |
| Review Requirements documents |  |  | 2 d |  |
| Create initial test for AmtChocalet |  |  | 1 d |  |
| Create initial test for AmtMilk |  |  |  |  |
| Create initial test for AmtSugar |  |  |  |  |
| Create initial test for AmtCoffee |  |  |  |  |
| Create initial test for AmtChocalet |  |  |  |  |
| Create initial test for price |  |  |  |  |
| Create initial test for name |  |  |  |  |
| Create initial test for toString |  |  |  |  |
| Create initial test for Equals |  |  |  |  |
| Create initial test for getRecipe[] |  |  |  |  |
| Create initial test for addRecipe |  |  |  |  |
| Create initial test for editRecipe |  |  |  |  |
| Create initial test for deleteRecipe |  |  |  |  |
| Create initial test for setChocalet |  |  |  |  |
| Create initial test for setMilk |  |  |  |  |
| Create initial test for setSugar |  |  |  |  |
| Create initial test for setCoffee |  |  |  |  |
| Create initial test for addChocalet |  |  |  |  |
| Create initial test for addMilk |  |  |  |  |
| Create initial test for addSugar |  |  |  |  |
| Create initial test for addCoffee |  |  |  |  |
| Create initial test for useIngridiant |  |  |  |  |
| Create initial test for enoughIngridiant |  |  |  |  |
| Staff and train new test resources |  |  |  |  |
| System testing |  |  |  |  |
| Regression testing |  |  |  |  |
| Resolution of final defects and final build testing |  |  |  |  |

## Deliverables

|  |  |  |
| --- | --- | --- |
| **Deliverable** | **For** | **Date / Milestone** |
| Test Plan | Project Manager; QA Director; Test Team |  |
| Test cases | Project Manager; QA Director |  |
| Test report/results |  |  |
| Unit test suite | Project Manager |  |
|  |  |  |