Test Plan

for

Brew Day!

Version 1.0 approved

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Atanasoff

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Revision History

Name	Date	Reason For Changes	Version
Guo Rui, Chen Mingxuan, Ji Jia, Xie Qizhou	May 13, 2019	First version.	First version

1. Objectives

1.1 Modules under test

The module under testing is Recommend. When user jump into the recommend page. He will need to input amount that he wants to brew. Then the system will check all the ingredients in the storage. Then, for any recipe that can be implemented, it will be shown to user.

1.2 References

SRS_Atanasoff_v1.7.docx

2. Testing levels and methods

2.1 Testing levels

Since recommend will have to check whether there are enough ingredients in the storage. This will need to make use of other functions in other modules. At this moment, we are focusing on whether errors will occur when transmitting data. Thus, it is an integration testing.

2.2 Testing methods

Equivalent class testing:

1. Valid input
    a. Enough ingredient
    b. No enough ingredient
2. Invalid input

First the user should input a batch size, it is the quantity that he wants to brew. Then the system should judge whether the batch size is a valid input. Next, the system will also have to detect whether there are enough ingredients inside the storage. For each class, it needs to do testing.

3. Test cases

Test ID	*Test case description*	*Expected result*
D1_1	“batch_size” is invalid, “Ingredient” is not enough	Give error message about the batch size
D1_2	“batch_size” is invalid, “Ingredient” is enough	Give error message about the batch size
D2_1	“batch_size” is valid, “Ingredient” is not enough	Give error message about the ingredient size
D2_2	“batch_size” is valid, “Ingredient” is enough	Give recommend details