Test Document for US17

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| Test case ID | User story 17 calculate the calories | | | | |
| Test case Description | The system could automatically calculate the calories for a recipe according to its ingredients | | | | |
| Precondition | The user should add a recipe and its ingredients. | | | | |
| Assumption | The calorie of each ingredients is based on API usda.com by create a table for it | | | | |
| Test | Test Steps | Works well | | comments | |
| 1. Login in Fit mania | | yes | | Login by google account |
| (2)Open Add Recipe page | | yes | | Open the page successfully |
| (3)Add a recipe | | yes | | Can input the information successfully |
| (4)Click add recipe to add it into database | | yes | | Add the recipe successfully |
| (5)Show the message about the insert result | | yes | | Open the page successfully |
| Option1(6)Search the recipe user’s added in Homepage | | yes | | You can find it successfully |
| (7)Click the recipe and there automatically show the calculate calories result | | yes | | The calculation result in whole recipe and each ingredient could be showed successfully |
| Option2(6)Click my recipe in navigation bar | | yes | | Click successfully |
| (7) Show the recipes that user added | | yes | | Show the recipes successfully |
| (8)Click the recipe and there automatically show the calculate calories result | | yes | | The calculation result in whole recipe and each ingredient could be showed successfully |
| Expected Result | The test shows the correct calories of each recipe. | | | | |

**Test for the calories**

Match the whole calculation result by add each ingredient calories

Match each ingredient calories by comparing the API https://ndb.nal.usda.gov/ndb/search/list

**Works well?**

Not exactly

Reason

Because the definition of unit is different, but it doesn’t matter because there is little difference.