*Florida International University*

*School of Computing and Information Sciences*

Software Engineering Focus

Feature Document

User Story ID <679 Measurement Conversion>

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**Project: Snackability 1.0**

**Product Owner(s)**: Dr. Cristina Palacios

**Mentor(s)**:

**Instructor**: Masoud Sadjadi

**User Story Name:** 679 Measurement Conversion

### Description:

* As a User I would like to enter different food measurements so that the system should be able to deal with the conversion.

### Acceptance Criteria:

1. User enter a snack with a measurement (cup, tbsp., gram, ounce)

In order to deal with the measurements conversions we follow the following rules:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Cup** | **Millimeters** | **Tablespoon** | **Ounces** | **Grams** |
| 1/16 cup | 15 ml | 1 | ½ oz | 15 g |
| ⅛ cup | 30 ml | 3 | 1 oz | 29 g |
| ¼ cup | 59 ml | 4 | 2 oz | 57 g |
| ⅓ cup | 79 ml | 5.5 | 2.5 oz | 72.5 g |
| ⅜ cup | 90 ml | 6 | 3 oz | 85 g |
| ½ cup | 118 ml | 8 | 4 oz | 113 g |
| ⅔ cup | 158 ml | 11 | 5 oz | 141 g |
| ¾ cup | 177 ml | 12 | 6 oz | 170 g |
| 1 cup | 240 ml | 16 | 8 oz | 227 g |
| 2 cup | 480 ml | 32 | 16 oz | 453 g |

**Unit Test**

* Test case ID: mesurement\_conversion\_1\_ID
* Description/Summary of Test: Given a snack name/description and portion size when the user request information the app obtain the nutrients based on the portion size requested
* Pre-condition: Establish connection with the USDA database, enter a portion size
* Expected Results: USDA database returns the correct list of nutrient based on the portion size requested
* Actual Result: The correct list of nutrient based on the portion size returned
* Status (Fail/Pass): Pass

**Integration Test**

**Visual User Guide** <like one or two screenshots of the feature. For the hardware project, a photo of device is required>