**TESTING DOCUMENTATION**

**STUDENT**

**Scenaries Set Up:**

|  |  |  |
| --- | --- | --- |
| **Name** | **Class** | **Scenary** |
| setUpScenary1 | Student | New Student |

**Test Cases Design:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Objective:** | | | | |
| **Class** | **Method** | **Scenary** | **Entry Values** | **Result** |
| Student | calculateBmi() | setUpScenary1 | 69.0, 1.60 | 26.95 |
| Student | calculateBmi() | setUpScenary1 | 53.3, 1.56 | 21.9 |
| Student | calculateClassification() | setUpScenary1 | 17.9 | 2 |
| Student | calculateClassification() | setUpScenary1 | 22.5 | 2 |
| Student | calculateClassification() | setUpScenary1 | 17.9 | 1 |
| Student | calculateClassification() | setUpScenary1 | 27.9 | 3 |
| Student | calculateClassification() | setUpScenary1 | 37.9 | 4 |
| Student | calculateClassification() | setUpScenary1 | 47.9 | 5 |

**NUTRITION MANAGEMENT**

**Scenaries Set Up:**

|  |  |  |
| --- | --- | --- |
| **Name** | **Class** | **Scenary** |
| setUpScenary1 | NutritionManagement | NutritionManagement with no students |
| setUpScenary2 | NutritionManagement | Null |
| setUpScenary3 | NutritionManagement | NutritionManagement with 1 student |
| setUpScenary4 | NutritionManagement | NutritionManagement with 2 low weight students |
| setUpScenary5 | NutritionManagement | NutritionManagement with 2 normal weight students |
| setUpScenary6 | NutritionManagement | NutritionManagement with 2 overweight students |
| setUpScenary7 | NutritionManagement | NutritionManagement with 2 obese students |
| setUpScenary8 | NutritionManagement | NutritionManagement with 2 morbid obesity students |

**Test Cases Design:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Objective:** | | | | |
| **Class** | **Method** | **Scenary** | **Entry Values** | **Result** |
| NutritionManagement | isEmpty() | setUpScenary1 | N/A | True |
| NutritionManagement | add() | setUpScenary2 | “A00398722”, “Maria”, “Alvarez”, 19, ‘f’, 1.56, 53.5, 1.56, 55 | 1 |
| NutritionManagement | add() | setUpScenary3 | “A00111111”, “Juan”, “Silva”, 20, ‘m’, 1.76, 73.5, 1.73, 68 | 2 |
| NutritionManagement | lowWeightStudentApr() | setUpScenary4 | N/A | 2 |
| NutritionManagement | lowWeightStudentSep() | setUpScenary4 | N/A | 2 |
| NutritionManagement | normalWeightStudentApr() | setUpScenary5 | N/A | 2 |
| NutritionManagement | normalWeightStudentSep() | setUpScenary5 | N/A | 2 |
| NutritionManagement | overWeightStudentApr() | setUpScenary6 | N/A | 2 |
| NutritionManagement | overWeightSep() | setUpScenary6 | N/A | 2 |
| NutritionManagement | obesityStudentApr() | setUpScenary7 | N/A | 2 |
| NutritionManagement | obesityStudentSep() | setUpScenary7 | N/A | 2 |
| NutritionManagement | morbidStudentApr() | setUpScenary8 | N/A | 2 |
| NutritionManagement | morbidStudentSep() | setUpScenary8 | N/A | 2 |