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| --- | --- | --- | --- | --- | --- |
| **Test Case** | **Data** | **Test Data** | **Expected Result** | **Test Result** | **Pass/Fail** |
| **Test Case 1:**  Checking functions with valid constraints | 1 | "1", "Pizza slice", "Large Slice of Pepperoni Pizza", 5, 400, "Italian" | The food was added successfully | Successful | Pass |
| **Test Case 1** | 2 | "2", "Kebab", "Lamb Kebab with the lot", 10, 1000, "Turkish" | The food was added successfully | Successful | Pass |
| **Test Case 1** | 3 | "3", "Spaghetti", "Homemade Spaghetti Bolognese with special sauce", 15, 400, "Italian" | The food was added successfully | Successful | Pass |
| **Test Case 1** | 4 | "4", "Ice Cream", "Delicious and creamy Chocolate Ice Cream" | The food was added successfully | Successful | Pass |
| **Test Case 2:** Checking functions with invalid food name | 1 | "5", "Chip", "Red Rock Deli Potato Chips", 5, 400, "Snacks" | The food name must be between 5 and 30 characters | Unsuccessful | Fail |
| Test Case 3:  Checking functions with invalid food description | 1 | "6", "Chips", "", 5, 400, "Snacks" | The food description must be between 5 and 30 words. | Unsuccessful | Fail |
| Test Case 4: Checking functions with invalid caloric amount | 1 | "7", "Steak", "Porterhouse steak with sides", 50, 2000, "Mains" | The food calories cannot exceed 1500 calories. | Unsuccessful | Fail |
| Test Case 5: Checking functions with invalid price | 1 | "8", "Tomato Sauce", "Master Foods Tomato Sauce Sachet", 0.5, 100, "Sauce" | The food price must be between $5 and $1000. | Unsuccessful | Fail |

**Test Cases**

**User Story and Acceptance Criteria**

**User Story 1:** As a customer, I want to be able to review the foods that I order so that I can provide meaningful feedback.

**User Story 2:** As a restaurant, I want to be able to see which menu items are least purchased so I can make improvements or replace them.

**Acceptance Criteria for User Story 1:**

**Acceptance Criteria 1:** The system should show existing reviews for food items.

**Acceptance Criteria 2:** Reviews given on food items should be rated on a scale of 1-5.

**Acceptance Criteria 3:** The system should allow users to add a description for every review to provide an in-depth review.

**Acceptance Criteria for User Story 2:**

**Acceptance Criteria 1:** The system should keep track of which items are ordered the most and least.

**Acceptance Criteria 2:** The restaurant should be able to sort their menu items from most bought too least bought.

**Acceptance Criteria 3:** Least purchased menu items should be highlighted red for the restaurant to see,