Team AA Assignment 9 Test Cases

**Must haves:**

Add new food using valid input (1 Add Food)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “add food “screen.

Steps: Enter a valid food name, calorie number, and number of servings then press the “Add” button.

Test Data: Food Name: “Chili Fries”, Calories: 800, Number of Servings: 1

Expected Result: The food has been added to the database and the app takes you back to the “home” screen.

Add new food using invalid input (1 Add Food)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “add food “screen.

Steps: Enter a invalid food name, calorie number, and number of servings then press the “Add” button.

Test Data: Food Name: “Ch!11y Fri\_3s\*\*”, Calories: 1000000.1, Number of Servings: 33.5

Expected Result: The food is not entered into the database and some sort of feedback saying that the input is invalid.

Add new food using missing input (1 Add Food)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “add food “screen.

Steps: Enter a valid food name and calorie number but leave out number of servings then press the “Add” button.

Test Data: Food Name: “Chili Fries”, Calories: 800, Number of Servings:

Expected Result: The food is not entered into the database and some sort of feedback saying that you are missing information.

View 14 day Report (2 View Report)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “Report“ screen. There is food data stored for the user.

Steps: Select 14 day range button.

Test Data: none

Expected Result: The report screen displays the correct calories consumed and calories difference for the past 14 days.

View 30 day Report (2 View Report)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “Report“ screen. There is food data stored for the user.

Steps: Select 30 day range button.

Test Data: none

Expected Result: The report screen displays the correct calories consumed and calories difference for the past 30 days.

View 60 day Report (2 View Report)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “Report“ screen. There is food data stored for the user.

Steps: Select 60 day range button.

Test Data: none

Expected Result: The report screen displays the correct calories consumed and calories difference for the 60 days.

Exit app from home (3 Exit at any time)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “home“ screen.

Steps: Press the big “X” in the corner of the screen.

Test Data: none

Expected Result: App exits correctly.

Exit app from add (3 Exit at any time)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “add“ screen.

Steps: Press the big “X” in the corner of the screen.

Test Data: none

Expected Result: App exits correctly.

Exit app from report dates (3 Exit at any time)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “Report Dates“ screen.

Steps: Press the big “X” in the corner of the screen.

Test Data: none

Expected Result: App exits correctly.

Exit app from report results (3 Exit at any time)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “Report Results“ screen.

Steps: Press the big “X” in the corner of the screen.

Test Data: none

Expected Result: App exits correctly.

Exit app from dashboard (3 Exit at any time)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “dashboard“ screen.

Steps: Press the big “X” in the corner of the screen.

Test Data: none

Expected Result: App exits correctly.

**Should haves:**

New user information valid input (1 Allow input information from a new user)

Initial state: The system is open, installed, and the unique key has not been set. Established connection to cloud storage and it’s on the “new user“ screen.

Steps: Fill out fields: first name, last name, gender, date of birth, weight, height, activity level, target weight

Test Data: First name: “Robert”, Last name: “Kempton”, Gender: “Male”, Date of birth: “09/10/78”, Weight: 340, height: “6’1””, activity level: “low”, target weight: 112

Expected Result: returns unique identifier and takes you to the dashboard.

New user information invalid input (1 Allow input information from a new user)

Initial state: The system is open, installed, and the unique key has not been set. Established connection to cloud storage and it’s on the “new user“ screen.

Steps: Fill out fields: first name, last name, gender, date of birth, weight, height, activity level, target weight.

Test Data: First name: “Robert”, Last name: “Kempton”, Gender: “Male”, Date of birth: “9-10/1978”, Weight: “I’m really fat”, height: “6’1””, activity level: “low”, target weight: “not be fat”

Expected Result: To stay on the same screen and get feedback saying you have invalid information.

New user information missing input (1 Allow input information from a new user)

Initial state: The system is open, installed, and the unique key has not been set. Established connection to cloud storage and it’s on the “new user“ screen.

Steps: Fill out fields: first name, last name, gender, date of birth, weight, and height then leave blank activity level and target weight.

Test Data: First name: “Robert”, Last name: “Kempton”, Gender: “Male”, Date of birth: “09/10/78”, Weight: 340, height: “6’1””, activity level: , target weight:

Expected Result: To stay on the same screen and get feedback saying you have missing information.

View dashboard screen (2 View Dashboard)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “dashboard“ screen.

Steps: Look at the dashboard information

Test Data: none

Expected Result: It displays the data correctly for: name, gender, age, weight, height, target weight, bmi, bmr, body fat percentage, today’s calories, and this week’s calories.

Exit app from home (3 Exit at any time)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “home“ screen.

Steps: Press the big “X” in the corner of the screen.

Test Data: none

Expected Result: App exits correctly.

Add new food using valid input (3.A View Add Food)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “add new food “screen.

Steps: Enter a valid food name, calorie number, sodium, protein, fat, and number of servings then press the “Add” button.

Test Data: Food Name: “Chili Fries”, Calories: 540, sodium: 1380, protein: 10, fat: 38, Number of Servings: 1

Expected Result: The food has been added to the database and the app takes you back to the “home” screen.

Add new food using invalid input (3.A View Add Food)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “add new food “screen.

Steps: Enter a invalid food name, calorie number, sodium, protein, fat, and number of servings then press the “Add” button.

Test Data: Food Name: “Ch!11y Fri\_3s\*\*”, Calories: 1000000.1, sodium: 1380, protein: “bulky”, fat: 38, Number of Servings: 33.5

Expected Result: The food is not entered into the database and some sort of feedback saying that the input is invalid.

Add new food using missing input (3.A View Add Food)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “add new food “screen.

Steps: Enter a valid food name, sodium, and calorie number but leave out protein, fat, and number of servings then press the “Add” button.

Test Data: Food Name: “Chili Fries”, Calories: 800, sodium: 1380, protein:, fat: , Number of Servings:

Expected Result: The food is not entered into the database and some sort of feedback saying that you are missing information.

Add new food using previous food (3.B View Add Food)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “add previous food“ screen. There is food data in the database from the user.

Steps: Select a previous food from the dropdown box and then enter the number of servings.

Test Data: Previous food: “Chili Fries”, number of servings: 2

Expected Result: The food has been added to the database and the app takes you back to the “add food home” screen.

Add new food using previous food invalid servings (3.B View Add Food)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “add previous food“ screen. There is food data in the database from the user.

Steps: Select a previous food from the dropdown box and then enter the number of servings.

Test Data: Previous food: “Chili Fries”, number of servings: -2

Expected Result: The food is not added and there is some sort of feedback saying the number of servings is invalid.

View Report valid (4 View Report)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “Report“ screen. There is food data stored for the user.

Steps: add from date and to date.

Test Data: from date: “01/20/13”, to date: “01/27/13”

Expected Result: The report screen displays the correct calories consumed and calories difference for the selected days.

View Report invalid (4 View Report)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “Report“ screen. There is food data stored for the user.

Steps: add from date and to date.

Test Data: from date: “1-20\1913”, to date: “feb\_29\_13”

Expected Result: The report screen displays feedback indicating the date range is incorrect.

View Report reverse dates (4 View Report)

Initial state: The system is open, installed, and the unique key has been set. Established connection to cloud storage and it’s on the “Report“ screen. There is food data stored for the user.

Steps: add from date and to date.

Test Data: from date: “01/27/13”, to date: “01/20/13”

Expected Result: The report screen displays the feedback indicating the date range is incorrect.