Zhiyuan Sun 1459462

Test Case and Two Extra Features

ISCG6421 – GUI Programming  
Semester 1, 2022

Assignment 1

**Task 1: Main Menu Case Test**

|  |  |  |  |
| --- | --- | --- | --- |
| **Requirement to test** | **Test Data Input** | **Expected Outcomes** | **Actual Outcomes** |
| 1.1. Main menu is displayed when the program is run | Run program | Main menu is displayed | Main menu is displayed |
| 1.2. Kai management form is displayed when the Kai button is clicked. | Click Kai button | Kai management form is displayed | Kai management form is displayed |
| 1.3. Event management form is displayed when the Event button is clicked. | Click Event button | Event management form is displayed | Event management form is displayed |
| 1.4. Whanau management form is displayed when the Whanau button is clicked. | Click Whanau button | Whanau management form is displayed | Whanau management form is displayed |
| 1.5. Location management form is displayed when the Location button is clicked. | Click Location button | Location management form is displayed | Location management form is displayed |
| 1.6. Registration management form is displayed when the Registration button is clicked | Click Registration button | Registration management form is displayed | Registration management form is displayed |
| 1.7. Report form is displayed when the Report button is clicked. | Click Report button | Report form is displayed | Report form is displayed |
| 1.8. The application exits when the Exit  button is clicked | Click Exit button | The application exits | The application exits |

**Task 2: Kai Maintenance**

|  |  |  |  |
| --- | --- | --- | --- |
| **Preparation Required** | **Test Data Input** | **Expected Outcomes** | **Actual Outcomes** |
| 2.1. Add a new kai record with valid data in all fields. | Lunch  Pop chicken  10 mins  1 serving | Kai save successfully | Kai save successfully |
| 2.2. Update an existing kai’s name with valid data. | Lunch  Pop chicken  8 mins  2 serving | Kai update successfully | Kai update successfully |
| 2.3. Delete an existing kai that has no event. | Onion beef  3 mins  1 serving | Kai delete successfully | Kai delete successfully |
| 2.4. Attempt to add a new kai with an invalid quantity but with valid data in all other fields. | Lunch  Pop chicken  8 mins  0 serving | error | "You must enter a valid Serving Quantity that is greater than 0 and less than 1000", "Error |
| 2.5. Attempt to update an existing record with a blank name | Lunch  Blank kai name  8 mins  1 serving | error | "You must enter a Kai name", "Error" |
| 2.6. Attempt to delete an existing arena that has events | Lunch  Pop chicken  8 mins  2 serving | error | "You may only delete kai that have no event relation", "Error" |

**Task 3: Event Maintenance**

|  |  |  |  |
| --- | --- | --- | --- |
| **Preparation Required** | **Test Data Input** | **Expected Outcomes** | **Actual Outcomes** |
| 3.1. Add a new event with valid data in all fields. | Company lunch  Pt Chevalier Beach  22/4/2022 | Event add successfully | Event add successfully |
| 3.2. Update an existing event date with valid data | Company lunch  Pt Chevalier Beach  23/4/2022 | Event update successfully | Event update successfully |
| 3.3. Update an existing event location with valid data. | Company lunch  Te Puna  23/4/2022 | Event update successfully | Event update successfully |
| 3.4. Delete an existing event that has no kai. | The long black café  23/4/2022 | Event delete successfully | Event delete successfully |
| 3.5. Attempt to delete an existing event that has at least one kai | Company lunch  Pt Chevalier Beach  22/4/2022 | error | "You may only delete an event that has no kai", "Error" |

**Task 4: Whānau Maintenance**

|  |  |  |  |
| --- | --- | --- | --- |
| **Preparation Required** | **Test Data Input** | **Expected Outcomes** | **Actual Outcomes** |
| 4.1. Add a new record with valid data in all fields | John Smith  [jjq@abc.com](mailto:jjq@abc.com)  021998111  11 queen st, Auckland 0623 | Whānau add successfully | Whānau add successfully |
| 4.2. Update an existing record’s name with valid data. | John Smith  [jjq@abc.com](mailto:jjq@abc.com)  234578  11 queen st, Auckland 0623 | Whānau update successfully | Whānau update successfully |
| 4.3. Delete an existing record that has no entries. | John Smith  [jjq@abc.com](mailto:jjq@abc.com)  021998111  11 queen st, Auckland 0623 | Whānau delete successfully | Whānau delete successfully |
| 4.4. Attempt to add a new record with an invalid first name but with valid data in all other fields. | \* smith  [jjq@abc.com](mailto:jjq@abc.com)  021998111  11 queen st, Auckland 0623 | error | "You must enter a valid First name", "Error" |
| 4.5. Attempt to update an existing record with an invalid first name | \* smith  [jjq@abc.com](mailto:jjq@abc.com)  021998111  11 queen st, Auckland 0623 | error | "You must enter a valid First name", "Error" |
| 4.6. Attempt to delete an existing record that has registrations. | John Smith  [jjq@abc.com](mailto:jjq@abc.com)  021998111  11 queen st, Auckland 0623 | error | “You may only delete records that have no registrations”,” Error” |

**Task 5: Location Maintenance**

|  |  |  |  |
| --- | --- | --- | --- |
| **Preparation Required** | **Test Data Input** | **Expected Outcomes** | **Actual Outcomes** |
| 5.1. Add a new location with valid data in all fields. | Long bay café  123 long bay road, long bay, Auckland 0633 | Location adds successfully | Location adds successfully |
| 5.2. Update an existing location’s name with valid data. | Long bay café  3333 long bay road, long bay, Auckland 0633 | Location update successfully | Location update successfully |
| 5.3. Update an existing location’s address with valid data | Long bay cafe  3333 long bay road, long bay, Auckland 0633 | Location’s address update successfully | Location’s address update successfully |
| 5.4. Delete an existing location that has no events. | 123 long bay road, long bay, Auckland 0633 | error | "Location delete successfully" |
| 5.5. Attempt to add a new location with an invalid name but with valid data in all other fields | \*  Long bay road, long bay, Auckland 0633 | error | "Failed to add Location", "Error" |
| 5.6. Attempt to update an existing location with an invalid name. | \* Cafe  123 long bay road, long bay, Auckland 0633 | error | "Failed to update Location", "Error" |
| 5.7. Attempt to delete an existing location that has events | Long bay café  123 long bay road, long bay, Auckland 0633 | error | “You may only delete locations that have no events”, "Error" |

**Task 6: Register Whānau to Events**

|  |  |  |  |
| --- | --- | --- | --- |
| **Preparation Required** | **Test Data Input** | **Expected Outcomes** | **Actual Outcomes** |
| 6.1. Add a whanau to an event | Select event ID 2 from events table and select whanau ID 6 from whanau table and click add | Whanau add successfully | "Entry added successfully" |
| 6.2. Add a whanau to an event with kai preparation ticked | Select event ID 6 from events table and select whanau ID 16 from whanau table, tick kai preparation and click add | Whanau add successfully with Kai preparation ticked | "Entry added successfully" |
| 6.3. Remove a whanau from an event | Select registrations ID 10 | Whanau Remove  successfully | "Entry removed successfully" |
| 6.4. Attempt to add a whanau to an event they are already registered to | Select event ID 1 from events table and select whanau ID 1 from whanau table and click add | error | "Whanau can only be registered to an event once", "Error" |

Task 7: Registration Report

|  |  |  |  |
| --- | --- | --- | --- |
| **Preparation Required** | **Test Data Input** | **Expected Outcomes** | **Actual Outcomes** |
| 7.1. Produce the report with all requested fields present. | Click generate report button | Print successfully | Print successfully |

Task 8