**Let’s Play Football**

**Project Number: 2**

**Test Plan**

**Version Date: 11/06/2016**

**Effective Date: 11/21/2016**

Instructor: Jerry Lebowitz

Scrum master and prepared by: Nhan Phan

Product owner: Austin Merando

# Purpose of the test plan:

### To find the defects and errors that were made during the development phases

### To make sure an the product of this project can be handled in any circumstances

### To satisfy the requirements and gain the reliability of the product owner.

# Scope of the test plan:

* The total distance of each trip
* The total spent of each trip
* The maintenance of the software
  + Administrator Access
  + Add new stadium
  + Add/Delete Souvenirs
  + Change the menu souvenirs’ price

# Test Environment: Travis CI

# Test technique: Continuous Integration Testing will be used however black box testing will also be perform on each agile story. Additionally, decision table testing will be used as one of the technique for Black Box Testing.

# Overall test strategy:

### Each member are free to choose what to be tested on each test case.

### The time to start testing will be at the beginning of each meeting, and can be at CS Lab or outside of the Lab

### There will be no limit on the number test cases

### The test case on a specific feature of the software will be postponed if the assignee(s), who are working on that feature, haven’t finished it.

### During each test cases, if bugs/errors are found, that test cases must be put on hold until the bugs/errors are fixed so that the test can be continued. This applies to all levels of bugs/errors which cause the defects of the software.

### There will be no hardware needed for the entire test plan.

### Software needed for the test: Qt, Eclipse

### Approval process: Will be based on the approval of all members in the team. The process is subject to change.

### Approval Process: when all tests case return the pass results, which means no error or bugs found during performing the test cases.

### There won’t be any necessary training for the testing

# Test cases:

### Test cases on displaying the list of stadiums:

* Scenario: A student wants to view the list of stadium that he/she that already stored in the software
* Description: Using the text file, which is linked to the project, to display the list
* Date of Testing: 11/30/2016
* Tester: Nhan
* Status: Approved
* Comment: This test was on hold during the meeting but problem was solved and the testing continued on the same day

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Condition*** | **Text file** | Missing | Invalid type | Invalid information | Valid |
| ***Action*** | **The list** | Invalid | Invalid | Invalid | Valid |

### Administrator Log-in Dialog:

* Scenario: A user tries to access the Administrator control
* Description: A password is needed to access the Admin control, no username needed
* Tester: Kayvon
* Date of Testing: 11/21/2016
* Status: Approved
* Comment: A bug was found during the test but was quickly fixed on the same day for this test
  + Details on the bug: After the error message pops out, the invalid input remains in the text box
  + Fixed version: The text box is clear along with the error message

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Condition*** | **Password input** | Blank | Invalid | Valid |
| ***Action*** | **Log-in** | FALSE | FALSE | TRUE |

### 3. Add Stadium

* Scenario: An administrator wants to add a restaurant
* Description: A new restaurant is successfully added with its name, the new number in order according to the database, along with the distance from that restaurant to Saddleback College and to other previously added restaurant.
* Tester: Sina
* Date of testing: 11/21/2016
* Status: Approved
* Comment: There is no suspension during this test case

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ***Condition*** | **Stadium Name** | Blank | Filled | Blank | Filled | Blank | Filled |
| **Team Name** | Existed | New | Invalid | Existed | New | Invalid |
| **Related Information** | Invalid | Valid | Invalid | Valid | Invalid | Valid |
| ***Action*** | **Stadium added** | FALSE | TRUE | FALSE | FALSE | FALSE | FALSE |

### 4. Add menu item

* + Scenario: An administrator wants to add menu item to a specific restaurant
  + Description: Upon restaurant being chosen, a menu item is successfully add with its name and its price
  + Tester: John
  + Date of Testing: 12/03/2016
  + Status: Approved
  + Comment: One bug was found during this test
    - Detail on the bug: a menu item with its name and/or price blank is accepted to the database
    - Fixed version: An error message will be given if the inputs are left blank
    - Date of Re-testing: 12/04/2016

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Condition*** | **Choosing Stadium** | FALSE | FALSE | TRUE | TRUE |
| **Item's name** | Filled | Filled | Blank | Blank |
| **Item's price** | Valid | Invalid | Invalid | Valid |
| ***Action*** | **Item Added** | FALSE | FALSE | FALSE | TRUE |

### 5. Delete menu item

* Scenario: An administrator wants to add menu item in a specific restaurant
* Description: Unless the desired menu item for deletion is not exist, the delete feature will always be successfully
* Date of Testing: 10/19/2016
* Tester: Nhan
* Status: Approved
* Comment: No suspension was found during the test

|  |  |  |  |
| --- | --- | --- | --- |
| ***Condition*** | **Chosen Item** | FALSE | TRUE |
| ***Action*** | **Deleted Item** | FALSE | TRUE |

### 6. Change the price of the menu item(s)

* + Scenario: An administrator wants to change menu item’s price
  + Description: A change in menu item is successful when valid the input number for changing is valid
  + Tester: Nhan
  + Date of Testing: 12/3/2016
  + Status: Approved
  + Comment: No suspension was found during the test

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Condition*** | **Input new price** | Blank | Invalid | Valid |
| ***Action*** | **Price changed** | FALSE | FALSE | TRUE |