Food For Friends Web Application Test Plan

Group Two

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# Introduction

Food For Friends Web Application Test Plan

As we looked to have a flawless product launch, it was evident that a well-planned test plan was pivotal to introduce our Food for Friends web application. To develop a solid functioning application, we executed a test plan using an Agile Model. Ambler stated the key to software development success is keep all project stakeholders engaged in two-way communication to strive to develop the simplest solution possible that meets all of your needs (2018). We at the KISS group, have coupled a product test plan to compliment the project plan. A simple test plan lays a road map for how we will test the Food For Friends successfully validates requirements criteria.

Two principle tenets and a few precepts where established to validate under this test plan as users navigate application. First principle tenet, the application should be tailored to create an avenue for an individual or group (Giver) with any excess food a central location to post the availability of their free food. Next principle tenet, the submitted food will be posted in a map-like environment, upon which personnel (Recipient) can navigate based on either availability, gastronomic preference, or location. Additionally, since the principle tenets were the keystones of the application, two precepts to include application security, and application integrity will be required to ensure the application is vested. Finally, the Giver and/or Recipient application flow path should be user friendly. Please refer to Figure 1 below of simplified flow path.

# High Level Cumulative Interaction

1. Kate (Giver) signs into the web application “Food For Friends”

2. Kate (Giver) selected Giver Mode

3. Kate (Giver) Selects Post Food Item

4. Kate (Giver) Enters the following information

a. Food Description: Meat Free Chili

b. Number of Servings Available: 5 (from drop down menu)

c. Food availability window: 3 hours (from drop down menu)

d. Radius of availability: 10 miles (from drop down menu)

5. Kate (Giver) clicks the post button

6. John (Recipient) signs into the application

7. John selects Receiver Mode

8. John (Recipient) sees Kate (Giver) nearby post as he is located 2 miles away.

9. John (Recipient) selects Kate (Giver) post via a pin on his local map.

10. John (Recipient) receives the location of Kate (Giver) offering and is able to input the location into a mapping application of his choice

11. Internally the application links John (Recipient) and Kate (Giver), allowing them to rate the interaction.

# Giver or Recipient Flow Path

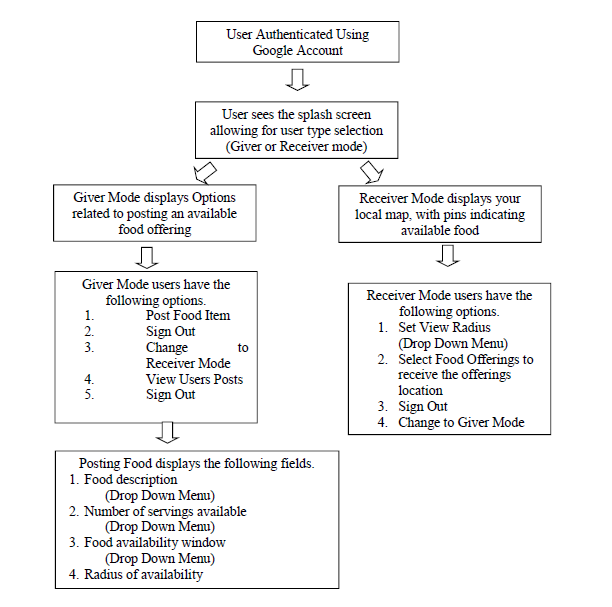


Figure 1. Giver or Recipient Flow Path

# Public Interaction 1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Scenario ID** | Public Interaction 1 | | | | **Test Case ID** | PI\_1.1 | |
| **Test Case Description** | Public Interaction - Positive Test Case | | | | **Test Priority** | Medium | |
| **Pre-Requisite** | Access to Computer with Internet Accessed Browser | | | | **Post-Requisite** | N/A | |
| **Test Execution Steps:** | | | | | | | |
| **Scenario Ordinal** | **Action** | **Inputs** | **Expected Outputs** | **Actual Outputs** | **Test Browser** | **Test Results** | **Test Comment** |
| PI\_1.1a | Initial user accesses the web application “Food For Friends” | Enters site Food For Friends URL | Food For Friends home page opens |  |  |  |  |
| PI\_1.1b | Home Page-- Initial user interfaces with the agnostic page-- Read-only content | Enters public-view mode in Food For Friends Home Page | Is content there:  Paginates through site public access content Page hyperlinked/viewable content: • About Page --> sees Mission Statement/  Executive Council • Tutorial Page --> sees User's Guide  • Help Page --> page displays help contact info  • Login Page -->   page login prompt viewable |  |  |  |  |
| PI\_1.1c | About Page -- Initial user interfaces with the agnostic page • Verify read-only access | Selects  About Page hyperlink | Can scroll though page  sees Mission Statement/  Executive Council |  |  |  |  |
| PI\_1.1a | Tutorial Page -- Initial user interfaces with the agnostic page • Verify read-only access | Selects  Tutorial Page hyperlink | Can scroll though page  sees User's Guide and/or YouTube links to help use this site |  |  |  |  |
| PI\_1.1a | Tutorial Page -- Initial user interfaces with the agnostic page • Verify no hidden content access | Selects  Tutorial Page hyperlink | Validate no residual build metadata leftover, short cuts, backdoor are left over |  |  |  |  |
| PI\_1.1d | Help Page -- Initial user interfaces with the agnostic page • Verify read-only access | Selects  Help Page hyperlink | Can scroll though page  sees contact information for both website administrator, feedback, comments, etc... |  |  |  |  |
| PI\_1.1e | Login Page -- Initial user interfaces with the agnostic page • Verify read-only access | Selects  Login Page hyperlink | Can see--> • User Login field • Password field • New account registration hyperlink • Password reset hyperlink |  |  |  |  |

# Public Interaction 2

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Scenario ID** | Public Interaction 2 | | | | **Test Case ID** | PI\_2.1 | |
| **Test Case Description** | Public Interaction - Negative Test Case | | | | **Test Priority** | High | |
| **Pre-Requisite** | Access to Computer with Internet Accessed Browser | | | | **Post-Requisite** | N/A | |
| **Test Execution Steps:** | | | | | | | |
| **Scenario Ordinal** | **Action** | **Inputs** | **Expected Outputs** | **Actual Outputs** | **Test Browser** | **Test Results** | **Test Comment** |
| PI\_2.1a | Initial user accesses the web application “Food For Friends” | Enters site Food For Friends URL in browser | Food For Friends home page does not open |  |  |  |  |
| PI\_2.1b | About Page -- Initial user interfaces with the agnostic page • Verify no hidden content access | Selects  About Page hyperlink | Validate no residual build metadata leftover, short cuts, backdoor are left over |  |  |  |  |
| PI\_2.1c | Tutorial Page -- Initial user interfaces with the agnostic page • Verify no hidden content access | Selects  Tutorial Page hyperlink | Validate no residual build metadata leftover, short cuts, backdoor are left over |  |  |  |  |
| PI\_2.1d | Help Page -- Initial user interfaces with the agnostic page • Verify no hidden content access | Selects  Help Page hyperlink | Validate no residual build metadata leftover, short cuts, backdoor are left over |  |  |  |  |
| PI\_2.1e | Login Page -- Initial user interfaces with the agnostic page • Verify read-only access | Selects  Login Page hyperlink | Can see--> • User Login field can be bypassed • Password field displays password • New account registration hyperlink not working • Password reset hyperlink not working |  |  |  |  |

# Sign Up Interaction 1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Scenario ID** | Sign Up Interaction 1 | | | | **Test Case ID** | SU\_1.1 | |
| **Test Case Description** | Sign Up - Positive Test Case | | | | **Test Priority** | Medium | |
| **Pre-Requisite** | Access to Computer with Internet Accessed Browser | | | | **Post-Requisite** | N/A | |
| **Test Execution Steps:** | | | | | | | |
| **Scenario Ordinal** | **Action** | **Inputs** | **Expected Outputs** | **Actual Outputs** | **Test Browser** | **Test Results** | **Test Comment** |
| SU\_1.1a | Initial user interfaces with the New Account Registration page | Selects  New Account registration hyperlink | Can see-->  • New account registration hyperlink  bring up new account personal fields |  |  |  |  |
| SU\_2.1b | New page opens to access new account registration | Views new user fields | Is content there:  Sees site content: • User Name label and field • User First Name label and field • User Last Name label and field • User Address label and field • User Phone label and field • User email label and field • Site Rules label, hyperlink and acknowledgement check box |  |  |  |  |

# Sign Up Interaction 2

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Scenario ID** | Sign Up Interaction 2 | | | | **Test Case ID** | SU\_2.1 | |
| **Test Case Description** | Sign Up - Negative Test Case | | | | **Test Priority** | High | |
| **Pre-Requisite** | Access to Computer with Internet Accessed Browser | | | | **Post-Requisite** | N/A | |
| **Test Execution Steps:** | | | | | | | |
| **Scenario Ordinal** | **Action** | **Inputs** | **Expected Outputs** | **Actual Outputs** | **Test Browser** | **Test Results** | **Test Comment** |
| SU\_2.1a | Initial user interfaces with the New Account Registration page | Selects  New Account registration hyperlink | Can see-->  • New account registration hyperlink fails to open |  |  |  |  |
| SU\_2.1b | New page opens to access new account registration | Views new user fields | Is content there:  Does not see site content or fields will not populate : • User Name label and field • User First Name label and field • User Last Name label and field • User Address label and field • User Phone label and field • User email label and field • Site Rules label, hyperlink and acknowledgement check box |  |  |  |  |

# Giver Interaction 1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Scenario ID** | Giver Interaction 1 | | | | **Test Case ID** | GI\_1.1 | |
| **Test Case Description** | Giver Interaction - Positive Test Case | | | | **Test Priority** | Low | |
| **Pre-Requisite** | • Access to Computer with Internet Accessed Browser • User account created previously | | | | **Post-Requisite** | N/A | |
| **Test Execution Steps:** | | | | | | | |
| **Scenario Ordinal** | **Action** | **Inputs** | **Expected Outputs** | **Actual Outputs** | **Test Browser** | **Test Results** | **Test Comment** |
| GI\_1.1a | Login Page -- user interfaces with it | Selects  Login Page hyperlink | Successfully enters account into --> • User Login field • Password field |  |  |  |  |
| GI\_1.1b | Mode selection page -- fork in path to one of two modes | Selects Giver mode button | Giver mode properties enabled |  |  |  |  |
| GI\_1.1c | Giver Mode selection page -- Posting Food | Selects Post Food Item mode button | Selects Post Food Item fields enabled and ready to go |  |  |  |  |
| GI\_1.1d | Mode selection page -- Sample Food Entry | Giver enters the following information: a. Food Description: Meat Free Chili b. Number of Servings Available: 5  c. Food availability window: 3 hours  d. Radius of availability: 10 miles | Giver selects the following information:  a. Food Description: Meat Free Chili (manual input)  b. Number of Servings Available: 5 (from drop down menu)  c. Food availability window: 3 hours (from drop down menu)  d. Radius of availability: 10 miles (from drop down menu) |  |  |  |  |
| GI\_1.1e | Giver Mode selection page -- Posting Food | After selecting food above, Selects Post Food Item button | Selects Post Food Item now posted on map grid |  |  |  |  |
| GI\_1.1f | Giver and Recipient transaction | Giver Mode selection page -- Giver and Recipient transaction selectable | Giver Mode selection page -- Giver and Recipient transaction ensues |  |  |  |  |
| GI\_1.1g | Post Giver and Recipient transaction | Post Giver and Recipient transaction a feedback message appears | Post Giver and Recipient transaction a feedback message appears and can be completed |  |  |  |  |

# Giver Interaction 2

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Scenario ID** | Giver Interaction 2 | | | | **Test Case ID** | GI\_2.1 | |
| **Test Case Description** | Giver Interaction - Negative Test Case | | | | **Test Priority** | Low | |
| **Pre-Requisite** | • Access to Computer with Internet Accessed Browser • User account created previously | | | | **Post-Requisite** | N/A | |
| **Test Execution Steps:** | | | | | | | |
| **Scenario Ordinal** | **Action** | **Inputs** | **Expected Outputs** | **Actual Outputs** | **Test Browser** | **Test Results** | **Test Comment** |
| GI\_2.1a | Login Page -- user interfaces with it | Selects  Login Page hyperlink | Entering your account info fails at:  • User Login field • Password field |  |  |  |  |
| GI\_2.1b | Mode selection page -- fork in path to one of two modes | Selects Giver mode button | Giver mode properties Not enabled and/or wrong mode resulted |  |  |  |  |
| GI\_2.1c | Giver Mode selection page -- Posting Food | Selects Post Food Item mode button | Selects Food Item fields disabled or SQL injection vulnerable |  |  |  |  |
| GI\_2.1d | Mode selection page -- Sample Food Entry | Giver enters the following information: a. Food Description: !@#$%^ b. Number of Servings Available: 5 c. Food availability window: 3 hours  d. Radius of availability: 10 miles | Giver can't select the following information:  a. Food Description: !@#$%^  (manual input)  b. Number of Servings Available: 5 (manual input)  c. Food availability window: 3 hours (manual input)  d. Radius of availability: 10 miles (manual input) |  |  |  |  |
| GI\_2.1e | Giver Mode selection page -- Posting Food | After selecting food above, Selects Post Food Item button | Selects Post Food Item now does not display on map grid |  |  |  |  |
| GI\_2.1f | Giver and Recipient transaction | Giver Mode selection page -- Giver and Recipient transaction selectable | Giver Mode selection page -- Giver and Recipient transaction can't connect if out of desired range |  |  |  |  |
| GI\_2.1g | Post Giver and Recipient transaction | Post Giver and Recipient transaction a feedback message appears | Post Giver and Recipient transaction a feedback message never appears |  |  |  |  |

# Recipient Interaction 1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Scenario ID** | Recipient Interaction 1 | | | | **Test Case ID** | RI\_1.1 | |
| **Test Case Description** | Recipient Interaction - Positive Test Case | | | | **Test Priority** | Low | |
| **Pre-Requisite** | • Access to Computer with Internet Accessed Browser • User account created previously | | | | **Post-Requisite** | N/A | |
| **Test Execution Steps:** | | | | | | | |
| **Scenario Ordinal** | **Action** | **Inputs** | **Expected Outputs** | **Actual Outputs** | **Test Browser** | **Test Results** | **Test Comment** |
| RI\_1.1a | Login Page -- user interfaces with it | Selects  Login Page hyperlink | Successfully enters account into --> • User Login field • Password field |  |  |  |  |
| RI\_1.1b | Mode selection page -- fork in path to one of two modes | Selects Recipient mode button | Recipient mode properties enabled |  |  |  |  |
| RI\_1.1c | Recipient Mode selection page -- Posting Food | Selects Post Food Item mode button | Selects Post Food Item fields enabled and ready to go |  |  |  |  |
| RI\_1.1d | Mode selection page -- Sample Food Entry | Recipient enters the following information: a. Food Description: Meat Free Chili b. Number of Servings Available: 5  c. Food availability window: 3 hours  d. Radius of availability: 10 miles | Recipient selects the following information:  a. Food Description: Meat Free Chili (manual input)  b. Number of Servings Available: 5 (from drop down menu)  c. Food availability window: 3 hours (from drop down menu)  d. Radius of availability: 10 miles (from drop down menu) |  |  |  |  |
| RI\_1.1e | Recipient Mode selection page -- Posting Food | After selecting food above, Selects Post Food Item button | Selects Post Food Item now posted on map grid |  |  |  |  |
| RI\_1.1f | Recipient and Giver transaction | Recipient Mode selection page -- Recipient and Giver transaction selectable | Recipient Mode selection page -- Recipient and Giver transaction ensues |  |  |  |  |
| RI\_1.1g | Post Recipient and Giver transaction | Post Recipient and Giver transaction a feedback message appears | Post Recipient and Giver transaction a feedback message appears and can be completed |  |  |  |  |

# Recipient Interaction 2

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Scenario ID** | Recipient Interaction 2 | | | | **Test Case ID** | RI\_2.1 | |
| **Test Case Description** | Recipient Interaction - Negative Test Case | | | | **Test Priority** | Low | |
| **Pre-Requisite** | • Access to Computer with Internet Accessed Browser • User account created previously | | | | **Post-Requisite** | N/A | |
| **Test Execution Steps:** | | | | | | | |
| **Scenario Ordinal** | **Action** | **Inputs** | **Expected Outputs** | **Actual Outputs** | **Test Browser** | **Test Results** | **Test Comment** |
| RI\_2.1a | Login Page -- user interfaces with it | Selects  Login Page hyperlink | Entering your account info fails at:  • User Login field • Password field |  |  |  |  |
| RI\_2.1b | Mode selection page -- fork in path to one of two modes | Selects Recipient mode button | Recipient mode properties Not enabled and/or wrong mode resulted |  |  |  |  |
| RI\_2.1c | Recipient Mode selection page -- Posting Food | Selects Post Food Item mode button | Selects Food Item fields disabled or SQL injection vulnerable |  |  |  |  |
| RI\_2.1d | Mode selection page -- Sample Food Entry | Recipient enters the following information: a. Food Description: !@#$%^ b. Number of Servings Available: 5 c. Food availability window: 3 hours  d. Radius of availability: 10 miles | Recipient can't select the following information:  a. Food Description: !@#$%^  (manual input)  b. Number of Servings Available: 5 (manual input)  c. Food availability window: 3 hours (manual input)  d. Radius of availability: 10 miles (manual input) |  |  |  |  |
| RI\_2.1e | Recipient Mode selection page -- Posting Food | After selecting food above, Selects Post Food Item button | Selects Post Food Item now does not display on map grid |  |  |  |  |
| RI\_2.1f | Recipient and Giver transaction | Recipient Mode selection page -- Recipient and Giver transaction selectable | Recipient Mode selection page -- Recipient and Giver transaction can't connect if out of desired range |  |  |  |  |
| RI\_2.1g | Post Recipient and Giver transaction | Post Recipient and Giver transaction a feedback message appears | Post Recipient and Giver transaction a feedback message never appears |  |  |  |  |

# Security Testing

//Ill add in some security test info here…..

# References:

Ambler, S. W. (2018). An Introduction to Agile Modeling. Retrieved from

http://www.agilemodeling.com/essays/introductionToAM.htm.