



## **Agile Delivery Services BPA**

**RFQ ID: RFQ993471**

**Pool 2**

**Evidence Item: e**

**FoodRecall.us Test Plan**

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## Document Revision History:

Version Number	Implemented By	Revision Date	Description of Change
1.0	Parvez Aziz	22 Jun 2015	Initial Version
1.1	Sajeda Ali	24 Jun 2015	Updated

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## 1. Introduction for

This document serves as the plan for testing FoodRecall.us artifacts as well as the reporting of test results. This working development prototype takes the open.fda.gov data (API) and render this information as visuals for public consumption. The visuals will form the basis of conveying the datasets that is pulled through the API to the intended audience. The site as such should be interactive and include the following:

- API or DB to pull datasets from the FDA website
- Use the datasets to build the user interface graphs.
- Make the site interactive
- Use different open visualization tools for each display
  - Google Fusion tables for heat map
  - Google data tables for the search
  - PHP local database queries for cached data
  - Json feeds from the live API

## 2. Testing Deliverables

Test Deliverables are the artifacts, which are created during the software development lifecycle. Testing deliverables are include:

- Test Case Document
- Requirement Traceability Matrix (RTM)

## 3. Reference Material

Following are the list of all documents and other sources referenced in the Software Test Plan.

- Mockup Annotations
- Requirement Document
- JIRA Tickets

#### 4. Test Plan

Testing will be performed at several points in the life cycle as the FoodRecall.us is constructed. Testing is a very 'dependent' activity. As a result, test planning is a continuing activity performed throughout the system development life cycle.

GSA-32-Landing Page			
Test ID	Description	Expected Results	Actual Results
GSA-39	Site Banner	When you are in any location within the site, when you click on the Site Banner, it will take you to the top of the Homepage.	Bring user to the Homepage.
GSA-40	Homepage-Subscribe Button	When you click on the Subscribe button, it will redirect you to the "https://public.govdelivery.com/accounts/USHHSFS/subscribers/qualify?topic_id=USHHSFS_5&email=dajoali@dtest.com&commit=Submit"	Allows user to subscribe to new recalls by email.

Test ID	Description	Expected Results	Actual Results
GSA-41	Homepage-Navigation Carousel	Homepage displays four slides within the Navigation Carousel and when you click on the left/right arrow button, it will display the next/previous slide.  Every Slide must stay 5 seconds before move to the next slide.  a. Heat Map b. Word Cloud c. Timeline Date d. GeoMap	Arrows to quickly move through slider.
GSA-42	Carousel-TOTAL RECALLS TO DATE	All four slides within the carousel display the total recall to Date	Accurate up to date recall since 2012
GSA-43	Carousel Search Link	Each slider within the carousel contains a search link, when you click on the Search link, it takes you to the main search page	Redirect to the search page.

GSA-45	Homepage-Arrow Circle Down Button	There are three Arrow Circle Down button within the homepage, when you click on them it will take you to the next section.	Bring user to the next page
GSA-26 GSA-27	Homepage-Stay Connected with YouTube and Twitter	Stay Connected section of the Homepage displays Food Recall related YouTube video and trending twitter feeds.	Page shows embedded YouTube video about food safety from the FDA Active twitter feed with most recent recalls Includes a "follow" button allowing users to follow the feeds from their personal account Allows user to sign up and follow the Twitter alerts.
GSA-46	Homepage-Heat Map	A dynamic Heat Map displays within the homepage where visually displays the most recently released enforcement reports based on severity. This heatmap uses google fusion tables	Users can select the map to view the most recent enforcement report details. Map should have a date field in bottom corner showing the last time it was updated
GSA-56	Google Chart Under Heat Map	A table is displayed under the Heat Map to display the most recently released enforcement reports based on severity. This also uses google fusion tables Verify the results against:  <a href="https://api.fda.gov/food/enforcement.json?search=report_date:2015-05-27&amp;limit=25">https://api.fda.gov/food/enforcement.json?search=report_date:2015-05-27&amp;limit=25</a>	Result displays most recently released enforcement reports based on severity.

Test ID	Description	Expected Results	Actual Results
GSA-47	Homepage-Data Search Section	<p>There are two sections within the search page:</p> <ul style="list-style-type: none"> <li>a. Historical Data search</li> <li>b. Full data search</li> </ul> <p>Historical data will display three widgets, when you click on them, it will display the historical data in a pop up window based on the data criteria.</p> <p>Full data search will have four search fields with a search button which will display a table dataset.</p>	<ol style="list-style-type: none"> <li>1. Product Type, e.g. ice cream, peanut butter, Tyson's: Type field - Autofill</li> <li>2. Date Range: MM/DD/YYYY - MM/DD/YYYY</li> <li>3. State: Autofill, multi select</li> <li>4. Classification: Drop down w/ Multi-Selection; "?" hover will show users the definitions of each class type               <ul style="list-style-type: none"> <li>a. Class I: Dangerous or defective products that predictably could cause serious health problems or death.</li> <li>b. Class II: Products that might cause a temporary health problem, or pose only a slight threat of a serious nature.</li> <li>c. Class III: Products that are unlikely to cause any adverse health reaction, but that violate FDA labeling or manufacturing laws.</li> </ul> </li> <li>5. Search type of recall, e.g. Salmonella, Listeria, Nuts, etc.; Type field - Autofill</li> <li>6. User selects "Search" to populate enforcement report table below</li> <li>7. Fields in the enforcement report table can be filtered via a carrot next to each category</li> </ol>
GSA-48	Site-508 Compliance	Entire site must be functional through the tab and Enter button and all images and Links must have Alt Text.	Tab through the site and alt text for all images and links should display.
GSA-49	Site-Footer	Footer should be present at the bottom of the page with the INCATech logo.	The bottom footer should be standard with the INCATech logo- potentially "Powered by INCATech"

<b>GSA-28-Search</b>			
<b>Test ID</b>	<b>Description</b>	<b>Expected Results</b>	<b>Actual Results</b>
GSA-50	Product Filed	Verify when you start typing, autocomplete option is functional.	Product Type, e.g. ice cream, peanut butter, Tyson's: Type field - Autofill
GSA-51	Reason for Recall Filed	Verify when you start typing, autocomplete option is functional.	Search type of recall, e.g. Salmonella, Listeria, Nuts, etc.; Type field - Autofill
GSA-52	Severity Field	Verify there is a dropdown menu with three selections.	<p>Classification: Drop down w/ Multi-Selection; "?" hover will show users the definitions of each class type</p> <p>a. Class I: Dangerous or defective products that predictably could cause serious health problems or death.</p> <p>b. Class II: Products that might cause a temporary health problem, or pose only a slight threat of a serious nature.</p> <p>c. Class III: Products that are unlikely to cause any adverse health reaction, but that violate FDA labeling or manufacturing laws.</p>
GSA-53	State Filed	Verify there is a dropdown menu with Fifty States.	State: Autofill, multi select

<b>GSA-33-Responsive</b>			
<b>Test ID</b>	<b>Description</b>	<b>Expected Results</b>	<b>Actual Results</b>
GSA-54	Cross Browser Compliance	Perform testing on cross browser platform	Visuals are rendered accordingly
GSA-55	Multiple Device Performance	Testing on various devices or using Emulator.	Website works on a wide range of screen sizes.

## 5. Where

- Test ID is a unique identifier for the test case. The unique identifier should relate back to the particular requirement the test case is verifying. For example, if your naming scheme for requirements is numbers, test cases for requirement 3 could have test IDs 3.1, 3.2, etc. Acceptance test cases must end the Test ID with a \*.
- Description should clearly document the steps that need to be done in order to run the test case. Write the description specifically, such that any team member can run the test case, even if the author of the test case is not present.
- Expected results is a statement of what should happen when the test case is run.
- Actual results are an indication of whether the test case is currently passing or failing when it is run. The actual results could be recorded simply as “Pass” or “Fail.” However, it is also helpful to describe what happened in cases where a test case fails.

## 6. Environmental Requirements

### Backend:

We have been using PHP/MySQL for the platform for the backend. This is to pull the data into a Database that would be usable on the front-end. All data queries that involve the full data set are ran against the AWS hosted db. This was a design consideration given that there is a limit to 120k requests per day with 100 record return limit. All data interactions against the current report are pulled directly from the open.fda site..

### Frontend:

The front-end consists of jQuery (charts), Json (data extraction) to render maps, charts, tables etc. The work is in progress and the tools for backend/frontend may change.

### Testing:

Front-end visuals:

Graphic layout, cross-browser issues

Responsive Web Design – Emulation