**Scrum Notes**

IBA used an iterative agile approach in the development of our Food Safety Alert prototype (Foodsafetyalert.ibacorp.us). We conducted multiple scrum sessions where all team members contributed to the design, development, testing, and implementation of the application. Each session followed up on the discussions and conclusions of the previous session to improve and enhance the prototype. The table on the next page shows a summary of daily scrum accomplishments and activities. The table is followed by detailed listing of each session’s proceedings. The accompanying document IBA\_7\_Agile Scrum Board shows the progression of stories through the sprint.

**IBA 9 day Sprint (7 working days) - Items Completed Each Day**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Thursday | Friday | Monday | Tuesday | Wednesday | Thursday | Friday |
| Establish Team - Roles | Configure Toolset on Server | UI JSON, HTML5, JQuery | Complete Site Buildout | RITE Testing v1 / Collaborative | Test EC2 DockerHub | RITE Testing v4 / Collaborative |
| Assign UI / Brand / Styles | GitHub collaboration | Data Services Determined | Frontend - Data Integration | Assign Tasks v2 | Incorporate Test Feedback | Final Build Deploy Document |
| Configure Cloud Server | URL assigned to Server | Jenkins / CodeDeploy | API Integration to openFDA | Jenkin Scripts | Build - Deploy to AWS v3 | Submission to GitHUB |
| Configure Repository / CM | NodeJS services | Description Write-ups | Capture Artifacts | Finish Site Design | RITE Testing v3 / Collaborative | 750 Word Description |
| Understand Data / API | Bootcamp Established | Toolsets Established | Setup RITE Test Method | Build - Deploy to AWS v2 | System Monitoring | Exhibits / Artifacts |
| Set Task List for Friday | CSS determined | Useability Test Cases | Build - Deploy to AWS v1 | Gather Artifacts from Team | Review of Artifacts | Deploy to AWS - Prod |
|  | Begin Build/Deploy/Container | Logo / Sitename | Started 750 word Description | Mocha Unit Tests Integrated | 750 word write-up |  |
|  |  |  | Started Attachment E | RITE Testing v2 / Collaborative | Build - Deploy to AWS v4 |  |
|  |  |  |  | Started pricing package |  |  |

**Discovery (brain storming) – Thursday 6/18/15 – All day**

**Led by:**

Agile Coach; Product Manager/Owner

**Attended By:**

Technical Architect; Interaction Designer/User Researcher/Usability Tester; Writer/Content Designer/Content Strategist; Visual Designer; Front End Web Developer; Back End Web Developer; DevOps Engineer; Security Engineer; Delivery Manager; Business Analyst; Digital Performance Analyst

**Discussions:**

My.uscis.gov

Outline

Goal of the product

Spreadsheet of labor categories and times spend

Venkat to look for the data

Jason – work on UI and search

Devon – build

Architect - Steve

Automated test scripts – code review -

Automated loads

What problem are we trying to solve?

Who will benefit from our product?

Is there more than one segment of the population (users) that will benefit? If so, can we identify most of them?

How do we identify the solution?

What information do we need?

Do we need to validate the information?

How do we present the information to the consumer (of the information)?

Who will validate the solution?

**Product Vision**

Potential Product names:

* Food Safety Alerts.com
* Food Shopper beware
* In case of food recall

Responsive design application (laptop and mobile device/web-based)

Simple and intuitive to use

Operating system and browser neutral

Keyword search capable

Location-based (Geo-location and Maps Integration)

Ensure that the prototype consumes, modifies, remixes, or displays the dataset provided

shopper beware of recalls – In case of recall – foodsafety.ibcorp.us

* 1. Location
  2. Food category
     1. Product type
     2. Lot number?
  3. Brand/Manufacturer
  4. Severity
  5. Reason for recall
     1. Contains allergens
     2. Contains prohibited substances
     3. Search – word parse; keywords, list selection; keyword
  6. Date/Time of recall

1. Tools
   1. NODEJS
   2. D3/~~Jekyll~~
   3. Bootstrap
   4. Jenkins
   5. Ubuntu
   6. GIT – version control software
   7. SonarCube – ask Cleveland/Steve
   8. JQuery
2. User
   1. Consumer Public
   2. Health/Food Safety Officials
3. Design
4. Development process

Next version

* + Subscriptions Twilio - Subscribe to a particular type of recall and get a text message when one happens
  + includes active graphs and charts (actionable), filter, sort
  + Push Notifications

|  |
| --- |
| Product Manager/Owner |
| Technical Architect |
| Interaction Designer/User Researcher/Usability Tester |
| Writer/Content Designer/Content Strategist |
| Visual Designer |
| Front End Web Developer |
| Back End Web Developer |
| DevOps Engineer |
| Security Engineer |
| Delivery Manager |
| Agile Coach |
| Business Analyst |
| Digital Performance Analyst |

**Friday, 6/19/15 - 3:30 p.m.**

**Led by:**

Agile Coach; Product Manager/Owner

**Attended By:**

Technical Architect; Interaction Designer/User Researcher/Usability Tester; Writer/Content Designer/Content Strategist; Visual Designer; Front End Web Developer; Back End Web Developer; DevOps Engineer; Security Engineer; Delivery Manager; Business Analyst; Digital Performance Analyst

Work locally; commit to github; Jenkins gets from github and publish to prod.

Server and default welcome page established – Steve

Setup Dev, test, prod environments (github)

Each member sets their own github user account once Steve/Jason setup the environment

Development of infrastructure and Repository in progress

Branch – SSH keys for collaborators

Priorities:

* Repositories
* Test environment
* UI
* Backend

Venkat will provide the modified “structured file” of data to the UI developers once the set ups are completed.

Fields available:

* recall number
* reason for recall
* status
* distribution pattern
* product quantity
* recall initiation date
* state
* event id
* product type
* product description
* country
* city
* recalling firm
* report date
* @epoch
* voluntary mandated
* classification
* code info = all lots and expiration dates, UPC code 095548003859,
* @id
* Open FDA
* initial firm notification

**Monday, 6/22/15 – 10:00 a.m.**

**Led by:**

Agile Coach; Product Manager/Owner

**Attended By:**

Technical Architect; Interaction Designer/User Researcher/Usability Tester; Writer/Content Designer/Content Strategist; Visual Designer; Front End Web Developer; Back End Web Developer; DevOps Engineer; Security Engineer; Delivery Manager; Business Analyst; Digital Performance Analyst

Reviewed requirements of the RFQ to validate our understanding as we make progress and continue to stay within the objectives

Reviewed progress by team members:

* UI – mock-ups of pages completed; graphics for home page under development
* Repository in place (Infrastructure) – site available for testing
* Backend – data structures continue to be defined and refined and will be provided to the UI developers today.
* Search function under construction

John works on user test cases (scenarios)

**Monday, 6/22/15 – 4:15 p.m.**

**Led by:**

Agile Coach; Product Manager/Owner

**Attended By:**

Technical Architect; Interaction Designer/User Researcher/Usability Tester; Writer/Content Designer/Content Strategist; Visual Designer; Front End Web Developer; Back End Web Developer; DevOps Engineer; Security Engineer; Delivery Manager; Business Analyst; Digital Performance Analyst

* Made progress in writing the project description in answer to the RFQ
* Submitted questions to GSA
* Bootstrap up and running
* The UI form has been created, will be peer-reviewed later today or tomorrow
* The form and all other artifacts for UI have been loaded onto githup
* Back End Web Developer has accessed the github artifacts and is working on them
* The development team (UI and back-end) will work together tomorrow to finalize version 1
* Usability use cases have been developed in draft form – will be completed in time for testing by Wednesday
* Development of code to move code to another environment (Containerizing) is ongoing

Additional notes:

It would be helpful to see the entire result request first before determining how to best alter it to suit our needs.

The form page (form.htm) has the input fields we are requesting from the user (after the user allows the browser access to location or picks from the map).

A results page would handle the JSON response back from the data query.

The latest code is in the master branch. I’ve started another branch to implement the logo and style up the form page. But need to log off for the evening.

First thing in the morning, I will get that finished and merged into main.

**Progress notes for Tuesday, 6/23/15**

* successfully built a project from Github using Jenkins (continuous integration tool)
* successfully deployed a project to an AWS EC2 instance using CodeDeploy
* next step will be to integrate Jenkins and CodeDeploy to build and deploy with a push to Github
* working on Docker and making progress
* will try to have the integration completed by Wednesday morning
* Use case for testing is complete

**Scrum Tuesday, 6/23/15 – 3:45 p.m.**

**Led by:**

Agile Coach; Product Manager/Owner

**Attended By:**

Technical Architect; Interaction Designer/User Researcher/Usability Tester; Writer/Content Designer/Content Strategist; Visual Designer; Front End Web Developer; Back End Web Developer; DevOps Engineer; Security Engineer; Delivery Manager; Business Analyst; Digital Performance Analyst

* Reviewed Scrum Board with the team to bring everyone up-to-date
* Need to finalize coordination of folder structures between git and Docker
* Infrastructure team is waiting for specific information from the development team to finalize implementation of Docker
* May need MPM (package manager)
* Need to complete a working site by tonight for preliminary testing by team members
* US map and query functionality for submission to the back-end have been completed - once this is done and merged into the master branch, that should serve as the Version 1.0 of the site.
* The icon and inclusion of the name are close to completion.

**Scrum Wednesday, 6/24/15 – 10:00 a.m.**

**Led by:**

Agile Coach; Product Manager/Owner

**Attended By:**

Technical Architect; Interaction Designer/User Researcher/Usability Tester; Writer/Content Designer/Content Strategist; Visual Designer; Front End Web Developer; Back End Web Developer; DevOps Engineer; Security Engineer; Delivery Manager; Business Analyst; Digital Performance Analyst

* Version 1 of the app is stood-up and working
* Version 1 of the app will be reviewed/tested by the team
* A number of issues, (14), are being addressed as a result of last night’s unit tests, pre-deployment discussion and evaluation by the development team
  + Many of them have already been resolved locally awaiting migration to the server
* Work on standardizing directory structure
* Stand-up a new instance on the server for continuing dev/test
* Work on automating build/deploy process (Jenkins, Docker)
* Work on documenting the repeatable/automated process of migration. Provide detailed information, required tools, and instructions that will be needed by GSA to deploy the site (Jenkins, Docker, etc.)
* Pursuant to the fixes for the 14 issues, deploy version 1.1 for testing – by 1:00 p.m. today
* Code freeze Thursday at 10:00 a.m.
* Deadline for completion of the project/proposal is Friday 10:00 a.m.
* Look into creating a secondary search to narrow results further – depending on available time
* Change from geographic search criterion from “State” to “Distribution pattern”

**VERSION 2.0 RITE Test results– 6/24/15 – 4:00 p.m.**

**Participants:**

Users not involved with the project and indicative of our end-user use case

Testing was conducted on Safari, Chrome and IE browsers as well as Smartphones

* New Footer on page – non-responsive and covers up the Mobile Phone page ..
* Show definition of seriousness classifications
* Clicking on Home, About, Contact, and header (Food Recall Safety) returns to the form page
* Show a message that there are 0 results when there are none
* Highlight the search terms in the search results
* Allow returning to the map page after the first selection and acceptance of the “sharing” of location – add a button to ask and allow change
* Allow multiple search terms in one search – put this on backlog list
* Only show the recalls that took place in current calendar year

**Scrum Thursday, 6/25/15 – 10:15 a.m.**

**Led by:**

Agile Coach; Product Manager/Owner

**Attended By:**

Technical Architect; Interaction Designer/User Researcher/Usability Tester; Writer/Content Designer/Content Strategist; Visual Designer; Front End Web Developer; Back End Web Developer; DevOps Engineer; Security Engineer; Delivery Manager; Business Analyst; Digital Performance Analyst

* Complete updates to the application from the user test feedbacks (from V1 and V2)
* Complete Version 3 by 3:00 p.m. today – this to include implementation and testing of Docker, npm, and Jenkins
* Today’s release will be containerized
* Deploy the container in AWS
* Complete the information on the tool list and return to writer
* “Attachment E Approach Criteria Evidence Template”
  + Will be completed by the writer
  + Will be reviewed by the team for completeness and accuracy and inclusion of physical evidence
  + Will be finalized
* ReadMe file will be reviewed by the writer
* Will complete graphical presentation of the system architecture

**Results of Review Session - Thursday, 6/25/15 – 3:00 p.m.**

**Led by:**

Agile Coach; Product Manager/Owner

**Attended By:**

Technical Architect; Interaction Designer/User Researcher/Usability Tester; Writer/Content Designer/Content Strategist; Visual Designer; Front End Web Developer; Back End Web Developer; DevOps Engineer; Security Engineer; Delivery Manager; Business Analyst; Digital Performance Analyst

MUST HAVE to be DONE

* Sort Order Newest to Oldest is incorrect
* Show another option for sorting the results (Severity/Classification)
* Show the number of returned results on the result page
* Add paging capability to show results that number beyond 10
* On the selection form, when “Food” and “Brand” are selected, change the focus to that entry field instead of having the user clicking on it to enter text
* Results Page – Date should be User Friend June 6, 2015 …versus UTC
* Put in About Page content

508 ITEMS

* No alt for "Food Recall Safety" and "Powered by IBA" pictures.  Get message 2 image without alt attributes.
* Should say "Food Safety Recall - Results". It currently says "Food Safety Recall".
* Cannot tab thru "food", "brand" and "all".

NICE TO HAVE

* Highlight the search terms in the search results
* Place the Selection Criteria in the Page Title …Food Safety Alert Recall for \_\_\_
* Provide active links in the description of the recall on the results page that will present the entire record for the particular result
* Allow Multiple Search Terms in Food
* In Results – could put in the Line showing the Distribution States affected by the recall…so they can see both VA or MD without having to re-run the search

508 NICE TO HAVE

Color contrast ratio 4.5:1

* "Food Recall Safety" has a color contrast of 4.49:1.
* "Home", "About" and "Contact" links have a color contrast of 4.49:1.
* "food",  "brand" and "North Dakota" and "all" links have a color contrast of 4.01:1.
* There is no method to skip repetitive content
* No Local anchors found.

**Scrum/Review Session - Friday, 6/26/15 – 1:30 p.m.**

**Led by:**

Agile Coach; Product Manager/Owner

**Attended By:**

Technical Architect; Interaction Designer/User Researcher/Usability Tester; Writer/Content Designer/Content Strategist; Visual Designer; Front End Web Developer; Back End Web Developer; DevOps Engineer; Security Engineer; Delivery Manager; Business Analyst; Digital Performance Analyst

* Reviewed the scrum board – making good progress
* Docker has been configured and works as intended for creation of container
* Reviewed the prototype
  + Provide a mechanism (and/or directions) to go back to the map from the selection page
  + Add text “Click on Red items to change selection”
* Identify and implement a monitoring tool that will work with the Docker container
* Conduct additional testing of Jenkins
* Show the Search Criteria used in the Results Title
* Add another Sort feature – by Severity
* Show DC on the map
* Add Container Monitoring Svc

**Kanban/Review Session - Monday, 6/29/15 – 10:30 a.m.**

**Led by:**

Agile Coach; Product Manager/Owner

**Attended By:**

Technical Architect; Interaction Designer/User Researcher/Usability Tester; Writer/Content Designer/Content Strategist; Visual Designer; Front End Web Developer; Back End Web Developer; DevOps Engineer; Security Engineer; Delivery Manager; Business Analyst; Digital Performance Analyst

1. Add a Pop help hint to identify why some words are red
2. Allow for a Multiple Food or Brand search
3. Show the number of results returned
4. Add longer lists or multiple pages of 10 each
5. When going back to the Search page – maintain Search items previously entered
6. Fix up Responsive Design. Search field popup green window locations
7. Finish the critical 508 items identified from testing against version 3
8. Highlighting search query result keywords in Results

**Kanban/Review Session - Tuesday, 6/30/15 – 10:00 a.m.**

1: Fixed Safari location request

2: Fixed browser deficiencies

3: Search queries are now persistent

4: Fix Denial of Service Tests run by DavidH and Highlighting Terms issue identified

6: Dynamic Load screen added before map and while searching indicating activity

7: Form input more intuitive

Clicking on the form field moves cursor into field

Clearing a past search query changed to be intuitive

8: Add Zoom on map feature to find D.C

9. More Responsive Design touchup for Popup Search screens