c. Understand what people need, by including people in the prototype development and design process.
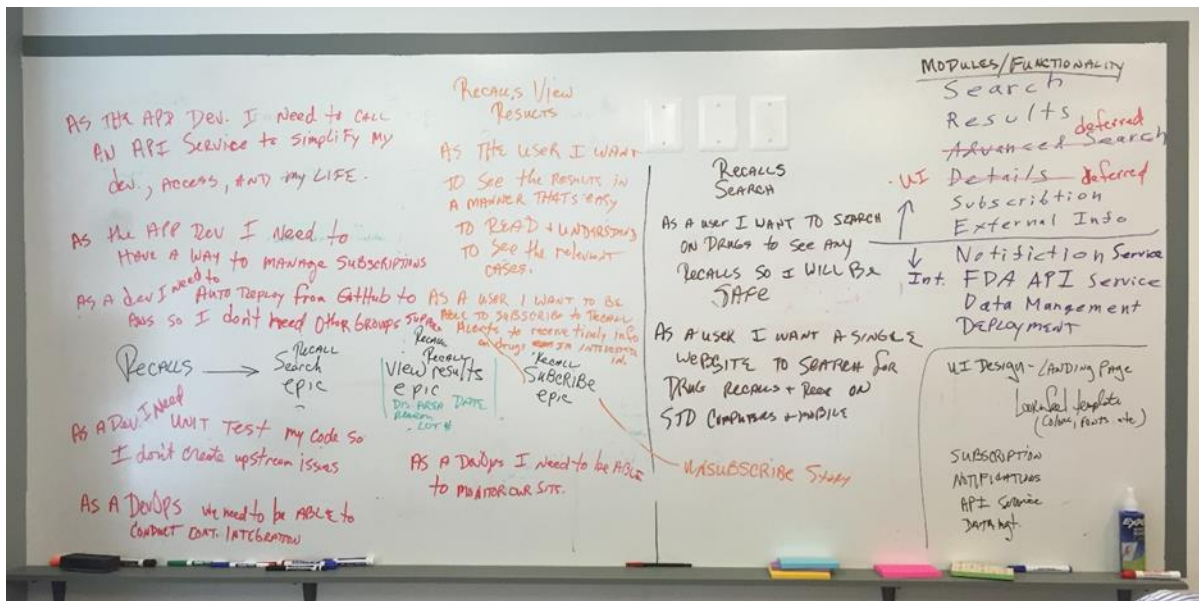
What People Need

BE focused on understanding what people need and immediately solicited support from industry experts and staff from around the company upon the RFQ's release. We engaged them early to understand the data set and its possible uses.

BE consulted corporate staff representing fictitious personas by the names of John Q. Public, Kate A. Citizen, Conner S. Consumer, and Sherri M. Caretaker. BE interviewed Dr. Frederick Williams, M.D., FACP (Board certified Internal Medicine) and our staff acting as John Q. Public, Kate A. Citizen, Conner S. Consumer, and Sherri M. Caretaker to identify both the potential user community and the target audience. The results of those interviews are captured in Appendix 1 and 2 below. We considered a product geared towards those in the medical field as well as the general public.

Based on Dr. Williams' feedback on the value of the OpenFDA data to clinical physicians, the team decided to build our website to meet the needs and wantsof John Q. Public, Kate A. Citizen, Conner S. Consumer, and Sherri M. Caretaker by creating a website that lets users look at drug labels, interactions, and recalls. We also looked at similar products such as Epocrates to ascertain gaps and opportunities to advance the distribution of this type of data.

After consultation, we determined that the general public-oriented product vision and use cases were more appropriate for the dataset, we had access to such stakeholders, and the datasets were not appropriate for clinical use as stated on the website. We leveraged the personas throughout the development process for identifying use cases (epics and user stories).

Figure 1. Evidence of Sprint 1 User Stories identified during Sprint Planning meeting.

1700 N Moore Street, Suite 2110
Arlington, VA 22209

BE also leveraged the personas of John Q. Public, Kate A. Citizen, Conner S. Consumer, and Sherri M. Caretaker, to provide feedback during usability testing and user acceptance testing. Minutes from the usability testing are included in Appendices 3 and 4. User Acceptance Test Cases are included in Appendices 5 and 6.

Approach Evidence D discusses our "Human-Centered Design," Approach Evidence F discusses our usability tests, and Approach Evidence G discusses our iterative approach where user feedback was considered for subsequent work on the prototype. Approach Evidence D, F, and G are further proof that BE took the time to understand what people need and included them in the prototype development and design process.

Appendix 1   Citizen and Healthcare Consumer Personas and Interview Results

John Q. Public is a 54 year-old male and Marine Corp veteran who lives in Wichita, KS with his wife and three kids. He works at the USPS making $58,000 a year to support his family. His wife is a stay at home mom. He takes a cocktail of asthma medications and worries that he may not be aware of all recalls on the market. He is an advocate for privacy and does not discuss his health with anyone but his wife and doctor.

- As a citizen and healthcare consumer, I take multiple medications for asthma. I want to be alerted if there are any recalls of the medications I am currently taking. I want to be able to be alerted if there is a dramatic change in adverse events related to my medications. Ideally, I want to be able to set my sensitivity level to such adverse events based on the volume of mortality and/or severity of reactions. I want to be anonymous-----I don't care if my searched/watched medications profile (sans identifying information) is stored to enable such warnings and alerts so long as nobody knows who I am or can track that data back to me.

Kate A. Citizen is a 20 year-old undergrad student at Clemson University with an interest in supply chain management and healthcare. She is in a work-study program with the women's tennis team. Her dream is to work at the Centers for Disease Control someday and plans to write her thesis on the supply chain and response to drug recalls. She does not want to be affiliated personally with the subjects or content that she researches in a professional context.

- As a citizen and healthcare consumer, I want to be able to see if there are any recalls of a specific medication or warnings of the combination of one or more medications. I want to be able to see recalls of a specific medication graphically along with the history of adverse events over time. I don't want any information stored about me or what medications I research.

Conner S. Consumer is a 78 year-old retired salesman in Philadelphia, PA who enjoys reading the local paper daily and writing letters to the editor. He is an early adopter of all things technology and often has the latest gadgets on the market. When online shopping, he takes the time to read and write reviews on sites like Amazon.com. He enjoys sharing his most recent health woes when asked, "How are you doing?" He recently mixed the wrong dosage of medication and had an adverse reaction that sent him to the hospital for 4 days.

- As a consumer of Pharmaceuticals I have had adverse reactions to medications. I would like to way to know if other people have experienced the same thing. I would also like to let the FDA know that I have experienced the same thing as someone else. I may or may not want the FDA to have my personal information and contact me.

Sherri M. Caretaker is a 39 year-old single mother of two whose son has been diagnosed with Leukemia. She balances her work as an Office Manager with hospital visits with trying to make a normal life for her kids. She is glued to her mobile devices, often working remotely while tending to her children's busy schedules. She uses Facebook and Twitter to stay up to date with friends and family as well as local and national support groups and to keep tabs on current events. She frequently posts her experiences and new articles to Facebook and Twitter.

- As a caretaker for a family member on a complex medication regimen, I want to be able to share relevant drug recalls and adverse reactions with my network that I find interesting or informative.

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Appendix 2   Clinical Physician Interview Results

Source: Dr. Frederick Williams, M.D., FACP (Board certified Internal Medicine)

- As a clinical physician caring for patients, the only time I would use the OpenFDA adverse event data would be in rare cases where a patient is suspected to be having a drug interaction that is not published through the normal tools. I could perhaps envision searching such data to see if one or more drugs were related to an adverse event similar to my patient's. Such a search might be in addition to or instead of a PubMed search to look at case history reports. However, this would happen rarely and clinicians such as myself rely on the data and tools that reflect the latest published findings on a drug. Also, I would not rely on it given the FDAs warning that it should not be used for clinical purposes. Applications such as Epocrates and others provide me with drug interactions, dosaging, side effects and other data that I currently rely on.

- As a physician, I look for possible drug interactions (included in structured product labeling?) when seeing a patient/reviewing their list of medications and before prescribing a new medication. I also look for common and serious side effects to advise the patient on what they might experience. I want to see the most common side effects first as reported via the published data, not every adverse event which might be of use to a researcher. I also want to see the most serious side effects. I must translate those side effects into a language laypeople can understand. To use the OpenFDA data, I would need to trust it for clinical use.

- As a physician, it would be an added feature if drug recall data could be compared to my Electronic Medical Records (EMR) for my patients to alert me to any recalls impacting my patients.

Answers to Discovery Questions

- *How would you use this type of information?* Possible use cases are listed above. What makes the usage limited for me includes the following: not for clinical use, don't have time to pour over lists of possible adverse events when the published literature and tools (mobile apps, etc.) can zero in on what is important. The structured product labeling appears to have the information (e.g. drug interactions, side effects) that I most use today, although I get it from existing commercial products and apps such as Epocrates. Recall data is certainly important, but not if I have to pour through the EMR every time a recall comes out.

- *What about this information is interesting in your line of work?* If the information can be prioritized and presented to me in an easily consumable way. If the information could be translated from medical jargon to something a layperson understood, it might be interesting to a non-medical person.

- *Is this most valuable to people in a specific industry or with specific skills and experience or does it also have value to the general public?* The data is probably useful to researchers. If the adverse events and drugs are described with both medical jargon and terms, then it is less useful to the general public. They would need their physician to translate.

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Appendix 3   Sprint 3 Usability Testing Minutes

Meeting Description:	BE 18F Usability Testing –Sprint 3	
Date: 6/24/2015	**Time:** 1:00 pm	**Location:** BE Corporate Office

Participants				* in attendance, # absent, + substitute, % via phone	
1	Lauren Turbeville	*	7		
2	Sarah Joseph	*	8		
3	Ben Ness	*	9		
4	Laura Gross	*	10		
5			11		
6					

Agenda		Presented By	
1	Identify usability testing objectives		Lauren Turbeville
2	Identify known usability issues and roadblocks to efficiency, effectiveness, satisfaction		Lauren Turbeville
3	Define the new features in development and planned for development		Lauren Turbeville
4	Ask pre-test questions and address tester questions		Lauren Turbeville
	Provide URL and execute test		Lauren Turbeville
	Ask test questions and address tester questions		Lauren Turbeville

Minutes

Lauren introduced concept of usability testing to testers, all of whom are uninvolved with design and development of BE Safe

1   Objective: To find out whether users could easily search for drug recalls or adverse reactions; filter search criteria based on the available advanced search options (time period, sex, age); and subscribe to a drug recall or adverse reaction email notifications in BE Safe.

	Lauren asked the group to vocalize their thoughts throughout the duration of the test, including what elements could be introduced for a better user experience.
2	Lauren described the BE Safe features currently in development to solicit feedback: sending email notifications, ability to unsubscribe from a specific email notification; and share searches via social media (Facebook and Twitter) based on the search results. Lauren asked group, 'What do you think about the new feature(s) we are developing? Laura, Sarah and Ben acknowledged and agreed it sounded consistent with the a subscription feature.
3	Lauren described the BE Safe features currently in design to solicit feedback: following an adverse reaction search, users have the opportunity to say, 'I had that reaction too' – a 'Me Too' button, if you will that will generate a pop-up for the user to submit feedback. Due to HIPAA concerns, BE Safe would not ask for any personally identifiable information. All information collected is voluntary, including email addresses and consent to contact the user via email. Lauren asked group, 'What do you think about the new feature(s) we plan to develop? Laura, Sarah and Ben really liked the concept, Laura would consider using that functionality and acknowledges there are a lot of complainers on social media who would make use of something like this.
4	Lauren collected Device information:

Category	Device	Operating System & Version	Browser	Browser Version
Laptop	ASUS SonicMaster	Windows 8	Internet Explorer	11.0.9600.17842
			Chrome	43.0.2357.130m
			Firefox	38.0.5
Laptop	Dell Latitude E550	Windows 8	Internet Explorer	11.0.9600.17842

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

			Chrome	43.0.2357.130m
			Firefox	38.0.5
Laptop	Apple MacBook Pro	OSX 10.9	Safari	7.0.6 (9537.78.2)
			Firefox	38.0.5
Tablet	Windows Surface	Windows 8	Internet Explorer	11.0.9600.17842
			Chrome	43.0.2357.130m
Tablet	Apple iPad 3	iOS 8.3	Safari	8.3 [per OS]
Tablet	ASUS Nexus 7	Android 5.1.1	Chrome	5.1.1 [per OS]
Smartphone	Apple iPhone5	iOS 8.3	Safari	8.3 [per OS]
Smartphone	Apple iPhone6	iOS 8.3	Safari	8.3 [per OS]
Smartphone	Samsung Galaxy S5	Android 5.0	Chrome	5.0 [per OS]

5	Lauren asked group for expectations of a search page. Their responses are below. • Sarah: bar with area to type in, magnifying glass • Laura: auto-fill • Ben: drop-down that guesses what you're typing, advanced options/filtering
6	Lauren asked group for thoughts on landing page. Their responses are below. • Sarah: loading delay; website is left-aligned in IE, ignored instruction text • Laura: instructions not where expected not intuitive as to which drug name to enter (drug name v. drug brand name), more interested in tagline than subheader, tagline in aqua looks like a broken link. All links should be the same color • Ben: simple layout makes sense, didn't notice instructions Questions that resulted: • Can you do a search of both drugs and recalls at same time for same drug? • Can you search for generic drug names? • Can you take a picture of a medication using smartphone to conduct search?

	Group consensus: • Adverse reactions advanced options should only display if adverse reactions is selected. Otherwise, confusing • Too much blue on page with blue and white cloud wallpaper and subheader
7	Lauren asked group for expectations of a search results page, subscribe button and clear form button. Their responses are below. Group consensus: • Search results page: list of results with short summary under header, Google-like view that takes you to a new view of the page • Subscribe button: populate email address and click submit • Clear form button: clears search
8	Lauren asked to execute searches on both recalls and adverse reactions, using filters and subscribe to alerts for both recalls and adverse reactions Lauren asked group for thoughts on search results page. Their responses are below. • Sarah: should capitalize headers on search table, recall details have boldface on text im not interested in – should be reversed; probably wouldn't use the clear feature; Samsung phone has 2 sets of navigation buttons • Laura: no auto-correct for misspelled medical terms – add, 'Do you mean…' spellcheck; include hover text to define medical terms; search on 'pataday' does not show males for 'both' filter, but they exist under 'male' filter; same with ages – not all inclusive; add search on reactions (coughing); hitting backspace while out of focus takes user to previous page in browser; taglines should not be blue; no change on subscribe pop-up if email address is incomplete; gateway error occurs; expect email confirming subscription initialized with option to unsubscribe; helpful for site to have FDA logo to show authority • Ben: does not associate share icon with share concept – thought share icon would take him to related articles; replace share icon with 3 social icons to reduce number of clicks; move 'all date range' to bottom of drop-down field and list most recent first; wants to see more options in the date range drop-down; would like to be able to change the filters on an adverse reaction search without having to hit search icon again - not clear that the user needs to clear the search –; cant see search button on iphone after search term entered

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Request for Quotation (RFQ) 4QTFHS150004
Approach Criteria Evidence

Questions that resulted:
- Does 'no results' message mean I spelled it wrong? Or there are no results?
- Does 'date' mean date posted, date reported or date occurred?
- What is OpenFDA?

	Action Items	Owner	Status	Due Date	Completion Date
1	Lauren to take feedback to team for analysis and prioritization. See JIRA for action items in task format	all	Open	6/24	6/25

BE | BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Appendix 4   Sprint 6 Usability Testing Minutes

Meeting Description:	BE 18F Usability Testing – Sprint 6	
Date: 7/3/2015	**Time:** 3:00 pm	**Location:** Meridian Hill Park, Washington DC

Participants		* in attendance, # absent, + substitute, % via phone		
1	Lauren Turbeville	*		
2	Christina Patterson	*		
3	Robert Adams	*		

Agenda		Presented By	
1	Identify usability testing objectives		Lauren Turbeville
2	Identify known usability issues and roadblocks to efficiency, effectiveness, satisfaction		Lauren Turbeville
3	Define the new features planned for development		Lauren Turbeville
4	Ask pre-test questions and address tester questions		Lauren Turbeville
	Provide URL and execute test		Lauren Turbeville
	Ask test questions and address tester questions		Lauren Turbeville

Minutes	
1	Lauren introduced concept of usability testing to testers, all of whom are uninvolved with design and development of BE Safe

Objective: To find out whether users could easily search for drug recalls or adverse reactions; filter search criteria based on the available advanced search options (time period, sex, age); and subscribe to a drug recall or adverse reaction email notifications in BE Safe and share BE Safe with others.

Lauren asked the group to vocalize their thoughts throughout the duration of the test, including what elements could be introduced for a better user experience. |

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

2	Lauren described the BE Safe features planned for development to solicit feedback: search for known drug interactions; graph search results; share search results via email and text message; search a drug for both Recalls and Adverse Reactions in 1 search query Lauren asked group, 'What do you think about the new feature(s) we plan to develop? Christina and Robert said the new features sound good.
3	Lauren collected Device information: (table below)
4	Lauren asked group for expectations of BE Safe Website. Their responses are below. • Christina: expects to feel safer about drugs prescribed • Robert: expects to be able to find drug information he needs;
5	Lauren asked group for thoughts on landing page. Their responses are below. • Christina: Looks good.

Category	Device	Operating System & Version	Browser	Browser Version
Laptop	ASUS SonicMaster	Windows 8	Internet Explorer	11.0.9600.17842
			Chrome	43.0.2357.130m
			Firefox	38.0.5
Laptop	Apple MacBook Pro	OSX 10.9	Safari	7.0.6 (9537.78.2)
			Firefox	38.0.5
Tablet	Nexus 7	Android 5.1.1	Chrome	5.1.1 [per OS]
Smartphone	Apple iPhone6 Plus	iOS 8.3	Safari	8.3 [per OS]
Smartphone	Apple iPhone6	iOS 8.3	Safari	8.3 [per OS]

	• Robert: Not enough information about the site's purpose. If I know why I'm using BE Safe, it's straight to the point Questions that resulted: • What is the purpose of this site?
6	Lauren asked group for expectations of a search results page. Their responses are below. • Christina: find information on the drug I search • Robert: The drug I search for will be in here
7	Lauren asked group to execute searches on both recalls and adverse reactions, using filters and subscribe to alerts for both recalls and adverse reactions. Their responses are below: • Christina: 'No Results for Search' – assume either (1) there are no recalls or (2) drug isn't in database (3) maybe I spelled it wrong -- Suggestion: "No recalls/adverse reactions for [drug] in [time period searched]; Medications are hard to spell. Add auto-correct in addition to auto-fill • Robert: Previous and Next buttons should be duplicated at bottom of 10 results b/c that's when user decides to move to next page; Typographic hierarchy would be nice on Recalls. Example. Search on 'aspirin' for recalls and get "Subpotent Drug: …" or "Incorrect/Undeclared Excipients:…" etc.; Email button leads me to believe I can email these search results to myself/others. Would not think "Email" = subscribe. Consider relabeling button to 'Subscribe' or 'Alert Me'; Searching for adverse reactions to 'aspirin' with filters on Male & Adult 26-39, I get 2500+ results. I don't want to page through results 10 at a time. Would be nice if I could sort the search results on symptoms for specific drug I've searched on. Example. I have had issues with dizziness for other asthma medications I've taken. Has anyone in search criteria reported 'dizziness?' Questions that resulted: • What am I subscribing to: alerts to recalls or adverse reactions (or both) of the drug? or alert me with updates on drug? Need to read instructions before I understand what I'm subscribing to.

BUCHANAN® & EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

8	Lauren asked group to share their searches and provide feedback for both recalls and adverse reactions. Their responses are below: Group consensus: • Do not expect to see Me Too button under Share icon. Think of Me Too as more of a 'contribute feature.' Questions that resulted: • Move Me Too icon under separate 'Contribute' section?
9	Lauren asked group to execute a search using the carousel and then modify those search results. Their responses are below: • Christina: Agreed with Robert's assessment • Robert: Carousel acts as I would expect (taking me to more information on the drug), but it's not intuitive as to why these random drugs are being showcased. Suggest adding a label to indicate they are the top 100 prescribed; 100 seems like a lot of drugs to feature; Would more interested in seeing drugs that are in the news in the carousel (i.e. major recalls instead of random drugs)
10	Lauren asked group to share their final thoughts on BE Safe, suggestions and thoughts on features in development/planned for development. Their responses are below: • Christina: Liked the graphing feature • Robert: Site is fast, results come up quickly. Suggestions peppered throughout.

	Action Items	Owner	Status	Due Date	Completion Date
1	Lauren to take feedback to team for analysis and prioritization. See JIRA for action items in task format	Lauren	Open	7/3	7/3

13

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Appendix 5   User Acceptance Testing: Sprint 4

Appendix 5.1 Test Case 001 – View BE Safe Website

Appendix 5.1.1   Tester 1: Megan Saylor

Test Case ID: _____001_____Create/Update Date: _____6/25/2015_____

Author(s):_Lauren Turbeville_____

Test Case Name: _View BE Safe Website_____ Execution Date __6/25/2015_____

Executed By: _Megan Saylor_____ Devices: _(laptop) Dell Laptop, Windows 8, Internet Explorer (tablet) Nexus 7, Android 5.1.1, Chrome 5.1.1 (smartphone) Samsung S5, 5.0, Chrome 5.0_____

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-15 – Search and Display Recall and Adverse Reaction Information BEG-24 Subscribe for Email alerts BEG-26 - Compatible with Desktop and Mobile Devices BEG-27 – Filter FDA Recall and Adverse Reactions by Multiple Criteria BEG-42 – UI Design BEG-77 – Update UI based on Feedback from Sprint 1 Demo	Verify a single website works well on desktop browsers and mobile devices; logo headers and footers; displays search fields and filter parameters; includes fields to subscribe to email alerts	User has access to a laptop or desktop, tablet, smartphone and the internet	Prerequisite test cases: N/A Follow-up test cases: 002, 003, 004, 005	BE SharePoint site: /18F/Test Cases/1.0

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open a browser on a desktop computer and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website. The site displays a header, sub-header, content and footer.	Observed results as expected Content seems to be justified to the left	Desktop view defined as a 10" notebook or larger (≥ 1024 pixels)	P
2.	View the BE Safe header.	The header displays a BE Safe logo, a "Contact" link and "GitHub" link.	Contact link opens a new internet window to google. GitHub goes to a page not found site in new window.	GitHub link currently available to GitHub account holders only	F
3.	View the BE Safe sub-header.	The sub-header has a blue background with white text and reads, "Search • Subscribe • Stay Informed"	Observed as expected.		P

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Request for Quotation (RFQ) 4QTFHS150004
Approach Criteria Evidence

| 4. | View the BE Safe content (search parameters by drug brand name, gender and age). | The page content includes a search bar and a search icon. "Drug brand name" is displayed in the search bar as gray instruction text.

Below the search bar are 2 horizontally aligned option buttons: "Drug Recalls" and "Adverse Reactions". "Drug Recalls" is selected as the default view.

To the right of "Adverse Reactions" is a drop-down menu, "All date ranges". The drop-down menu includes 3 time periods:
• At any time
• Past 30 days
• Past 12 months

"All date ranges" is displayed as the default value.

Advanced Search Options are displayed on the row below the "Recalls" row but are disabled. The page displays option buttons for "Male, "Female," and "Both." "Both" is selected as the default view. | Drop down shows "All date ranges" rather then "At any time" | | F |

BUCHANAN® & EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Execution Steps	Expected Results	Observed Results	Notes	P/F
	To the right of "Both" is a drop-down menu, "All age groups". The drop-down menu includes 8 time periods: • For any age group • Infants and toddlers 0 to 4 • Children 5 to 12 • Teens 13 to 17 • Young adults 18 to 25 • Adults 26 to 39 • Mid-aged adults 40 to 55 • Older adults 56 to 69 • Adults 70 and older "All age groups" is displayed as the default value. An "Email Subscription" icon and link and a "Clear Form and Results" icon and link are displayed below the Advanced Options row. Instruction text is displayed below the search criteria filters, "Enter a drug name, such as *aspirin*, in the search area and select either drug	I am not able to click on the "All age groups" drop down menu. Arrow head turns to red circle with a line through it. Able to click this after selecting adverse reactions. Drop down information looks different : Children for		

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Request for Quotation (RFQ) 4QTFHS150004
Approach Criteria Evidence

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		recalls or adverse reactions. Press enter or click the search button. Selecting adverse reactions will display additional search options."	infants and toddlers, and Adults after teens		
		The words, "Drug recall and adverse reaction information directly from OpenFDA." are displayed below the instructions.	Able to click after selecting "Adverse Reactions"		
			I do not see an "Email Subscription" or a "Clear Form and Results"		
			All others – observed as expected		
5.	View the BE Safe footer.	The footer reads, "This data is sourced from the OpenFDA API and is not for clinical use. While the OpenFDA site makes	Observed as expected – links work to open additional tabs.		P

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		every effort to ensure that data is accurate, you should assume all results are unvalidated. Developed by Buchanan & Edwards for demonstration purposes only."			
6.	Click the Github link	The BE 18F Github website opens in a new tab (https://github.com/buchanan-edwards/RFQ-4QTFHS150004)	Opens in a new tab as page not found	GitHub link currently available to GitHub account holders only	F
7.	Click back to the tab open to the BE Safe website.	The BE Safe webpage appears as described in steps 1-5.	Observed as expected		P
8.	Click the Contact link.	A new email message opens in a new tab with the To: and Subject: fields pre-populated. **To:** gsabpa@buchanan-edwards.com **Subject:** RFQ-4QTFHS150004	Opens to a new tab with a search page for google – opens in Chrome browser		P
9.	Click back to the tab open to the BE Safe website.	The BE Safe webpage appears as described in steps 1-5.	Unable to click back		P
10.	Click the OpenFDA API link.	The OpenFDA API website opens in a new tab (https://open.fda.gov/)	Observed as expected		P
11.	Click back to the tab open to the BE Safe website.	The BE Safe webpage appears as described in steps 1-5.	Observed as expected		P

Buchanan & Edwards

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
12.	Click the Buchanan & Edwards link.	The Buchanan & Edwards website opens in a new tab (http://buchanan-edwards.com/).	Observed as expected		P
13.	Click back to the tab open to the BE Safe website.	The BE Safe webpage appears as described in steps 1-5.	Observed as expected		P
14.	In the search bar, type a non-brand-name drug or nonsense text (i.e. abcde, etc.) and click the search icon (or hit the Enter key). Search parameters are set to: • Drug Recalls • All date ranges	The text entered replaces the instruction text in the search bar. The instruction textbox and tagline are replaced with a table of the search results. The search results display the message, "There were no results for [search text]."	Observed as expected Yes – Now email subscriptions and clear form and results links pop up. Subscribe open a pop up window to input email address. Clear forms works correctly. Observed as expected.		P
15.	Click the BE Safe logo in the header.	The BE Safe webpage clears the search parameters and returns to the home page view.	Observed as expected		P

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
16.	Open a browser on a tablet and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website. The site displays a header, sub-header, content and footer, as described in steps 1-15 with 2 notable differences: 1. The link to GitHub is only available from a horizontal view 2. The footer text is shortened, "This data is sourced from the OpenFDA API and is not for clinical use. Developed by Buchanan & Edwards for demonstration purposes only."	Footer longer version – same as on laptop. Same issue with subscription link and clear form as with laptop. Contact and GitHib links work on tablet.	Tablet view defined as a 7"-9" notepad (533-800 pixels) Team in process of modifying footer text	F

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

| 17. | Open a browser on a smartphone and type in:

"**be-safe.azurewebsites.net**" | The browser opens to the BE Safe website.

The site displays a header, sub-header, content and footer, as described in steps 1-15 with 2 notable differences:

1. The option fields, "Drug Recalls," "Adverse Reactions" and the time period drop-down menu are aligned vertically above the "Clear Form and Results" link
2. The Advanced Options for "Adverse Reactions" are located below "Adverse Reactions"
3. The age group drop-down menu is located below the gender options
4. The header is fixed and scrolling is enabled below
5. The footer text is shortened to read, "This data is sourced from the OpenFDA API and is not for clinical use. Developed by | Do not show the "Clear Form and Results" link

Yes, except without the leading "This". Links work. | Smartphone view defined as a smart phone (≤ 414 pixels)

End of test case. | F |

Execution Steps	Expected Results	Observed Results	Notes	P/F
	Buchanan & Edwards for demonstration purposes only."	Everything else – observed as expected. Not able to rotate screen on phone. Contact links works – not GitHub shown.		

The following is optional (may be included in separate Test Report):

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

Appendix 5.1.2   Tester 2: Martin Hoang

Test Case ID: _____001_____Create/Update Date: _____6/25/2015_____

Author(s):_ Lauren Turbeville_____

Test Case Name: _View BE Safe_____ Execution Date __6/25/2015_____

Executed By: _Martin Hoang_____ Devices: _(laptop) Dell laptop Windows 8, Internet Explorer 11; (tablet) Apple iPad 3, iOS 8.3, Safari 8.3; (smartphone) Samsung S5, 5.0, Chrome 5.0

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Request for Quotation (RFQ) 4QTFHS150004
Approach Criteria Evidence

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-15 – Search and Display Recall and Adverse Reaction Information BEG-24 Subscribe for Email alerts BEG-26 - Compatible with Desktop and Mobile Devices BEG-27 – Filter FDA Recall and Adverse Reactions by Multiple Criteria BEG-42 – UI Design BEG-77 – Update UI based on Feedback from Sprint 1 Demo	Verify a single website works well on desktop browsers and mobile devices; logo headers and footers; displays search fields and filter parameters; includes fields to subscribe to email alerts	User has access to a laptop or desktop, tablet, smartphone and the internet	Prerequisite test cases: N/A Follow-up test cases: 002, 003, 004, 005	BE SharePoint site: /18F/Test Cases/1.0

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open a browser on a desktop computer and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website. The site displays a header, sub-header, content and footer.	**Same as expected**	Desktop view defined as a 10" notebook or larger (≥ 1024 pixels)	P
2.	View the BE Safe header.	The header displays a BE Safe logo, a "Contact" link and "GitHub" link.	**Same as expected**	GitHub link currently available to GitHub account holders only	P
3.	View the BE Safe sub-header.	The sub-header has a blue background with white text and reads, "Search • Subscribe • Stay Informed"	**Same as expected**		P

BUCHANAN & EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
4.	View the BE Safe content (search parameters by drug brand name, gender and age).	The page content includes a search bar and a search icon. "Drug brand name" is displayed in the search bar as gray instruction text. Below the search bar are 2 horizontally aligned option buttons: "Drug Recalls" and "Adverse Reactions". "Drug Recalls" is selected as the default view. To the right of "Adverse Reactions" is a drop-down menu, "All date ranges". The drop-down menu includes 3 time periods: • At any time • Past 30 days • Past 12 months "All date ranges" is displayed as the default value. Advanced Search Options are displayed on the row below the "Recalls" row but are disabled. The page displays option buttons for "Male,	The drop-down menu includes **4** time periods: "**At any time" need to be included** **Drop down box shows...** • **"Children 0 to 4" and should be changed to "Infants and toddlers 0 to 4"** • **"Adults 18 to 25" should be changed to "Young adults 18 to 25"** • **"Adults 40 to 55" should be changed to "Mid-aged adults 40 to 55"** • **"Adults 56 to 69" should be changed**		F

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		"Female," and "Both." "Both" is selected as the default view.	**to "Older adults 56 to 69"**		
		To the right of "Both" is a drop-down menu, "All age groups". The drop-down menu includes 8 time periods: • For any age group • Infants and toddlers 0 to 4 • Children 5 to 12 • Teens 13 to 17 • Young adults 18 to 25 • Adults 26 to 39 • Mid-aged adults 40 to 55 • Older adults 56 to 69 • Adults 70 and older "All age groups" is displayed as the default value. An "Email Subscription" icon and link and a "Clear Form and Results" icon and link are displayed below the Advanced Options row. Instruction text is displayed below the search criteria filters, "Enter a drug name,			

26

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		such as *aspirin*, in the search area and select either drug recalls or adverse reactions. Press enter or click the search button. Selecting adverse reactions will display additional search options." The words, "Drug recall and adverse reaction information directly from OpenFDA." are displayed below the instructions.			
5.	View the BE Safe footer.	The footer reads, "This data is sourced from the OpenFDA API and is not for clinical use. While the OpenFDA site makes every effort to ensure that data is accurate, you should assume all results are unvalidated. Developed by Buchanan & Edwards for demonstration purposes only."	**Does not read "While the Open FDA site makes every effort to ensure that data is accurate, you should assume all results are unvalidated."**		F
6.	Click the Github link	The BE 18F Github website opens in a new tab (https://github.com/buchanan-edwards/RFQ-4QTFHS150004)	**Opens a "404 This is not the web page you are looking for."**	GitHub link currently available to GitHub account holders only	F
7.	Click back to the tab open to the BE Safe website.	The BE Safe webpage appears as described in steps 1-5.	**Same as expected**		P

	Execution Steps	Expected Results	Observed Results	Notes	P/F
8.	Click the Contact link.	A new email message opens in a new tab with the To: and Subject: fields pre-populated. **To:** gsabpa@buchanan-edwards.com **Subject:** RFQ-4QTFHS150004	**Opens up a dialogue box saying "Do you want to allow this website to open a program on your computer"** • **Program: Google Chrome** • **Address: mailto:gsabpa@buchanan-edwards.com?subject=RFQ-4QTFHS150004** • **Allow & Cancel buttons** • **Clicked on "allow" and it opens up Google Chrome to my homepage**		P
9.	Click back to the tab open to the BE Safe website.	The BE Safe webpage appears as described in steps 1-5.	**Same as expected**		P
10.	Click the OpenFDA API link.	The OpenFDA API website opens in a new tab (https://open.fda.gov/)	**Same as expected**		P
11.	Click back to the tab open to the BE Safe website.	The BE Safe webpage appears as described in steps 1-5.	**Same as expected**		P

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
12.	Click the Buchanan & Edwards link.	The Buchanan & Edwards website opens in a new tab (http://buchanan-edwards.com/).	**Same as expected**		P
13.	Click back to the tab open to the BE Safe website.	The BE Safe webpage appears as described in steps 1-5.	**Same as expected**		P
14.	In the search bar, type a non-brand-name drug or nonsense text (i.e. abcde, etc.) and click the search icon (or hit the Enter key). Search parameters are set to: • Drug Recalls • All date ranges	The text entered replaces the instruction text in the search bar. The instruction textbox and tagline are replaced with a table of the search results. The search results display the message, "There were no results for [search text]."	**Same as expected**		P
15.	Click the BE Safe logo in the header.	The BE Safe webpage clears the search parameters and returns to the home page view.	**Same as expected**		P
16.	Open a browser on a tablet and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website. The site displays a header, sub-header, content and footer, as described in steps 1-15 with 2 notable differences: 3. The link to GitHub is only available from a horizontal view	**The link to GitHub is available from the VERTICAL view as well.**	Tablet view defined as a 7"-9" notepad (533-800 pixels) Team in process of modifying footer text	F

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		4. The footer text is shortened, "This data is sourced from the OpenFDA API and is not for clinical use. Developed by Buchanan & Edwards for demonstration purposes only."			
17.	Open a browser on a smartphone and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website. The site displays a header, sub-header, content and footer, as described in steps 1-15 with 2 notable differences: 6. The option fields, "Drug Recalls," "Adverse Reactions" and the time period drop-down menu are aligned vertically above the "Clear Form and Results" link 7. The Advanced Options for "Adverse Reactions" are located below "Adverse Reactions" 8. The age group drop-down menu is located	**Same as expected**	Smartphone view defined as a smart phone (≤ 414 pixels) End of test case.	P

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Execution Steps	Expected Results	Observed Results	Notes	P/F
	below the gender options 9. The header is fixed and scrolling is enabled below 10. The footer text is shortened to read, "This data is sourced from the OpenFDA API and is not for clinical use. Developed by Buchanan & Edwards for demonstration purposes only."			

The following is optional (may be included in separate Test Report):

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

Appendix 5.1.3   Tester 3: Daniel Tran

Test Case ID: _____001_____Create/Update Date: _____6/25/2015_____

Author(s):_Lauren Turbeville_____

Test Case Name: _View BE Safe_____ Execution Date __6/25/2015_____

Executed By: _Danny Tran_____ Devices: _Dell laptop; Windows 8.1; Chrome 43.0.2357.130 m _____

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-15 – Search and Display Recall and Adverse Reaction Information BEG-24 Subscribe for Email alerts BEG-26 - Compatible with Desktop and Mobile Devices BEG-27 – Filter FDA Recall and Adverse Reactions by Multiple Criteria BEG-42 – UI Design BEG-77 – Update UI based on Feedback from Sprint 1 Demo	Verify a single website works well on desktop browsers and mobile devices; logo headers and footers; displays search fields and filter parameters; includes fields to subscribe to email alerts	User has access to a laptop or desktop, tablet, smartphone and the internet	Prerequisite test cases: N/A Follow-up test cases: 002, 003, 004, 005	BE SharePoint site: /18F/Test Cases/1.0

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open a browser on a desktop computer and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website. The site displays a header, sub-header, content and footer.	yes	Desktop view defined as a 10" notebook or larger (≥ 1024 pixels)	P
2.	View the BE Safe header.	The header displays a BE Safe logo, a "Contact" link and "GitHub" link.	yes	GitHub link currently available to GitHub account holders only	P
3.	View the BE Safe sub-header.	The sub-header has a blue background with white text	yes		P

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		and reads, "Search • Subscribe • Stay Informed"			
4.	View the BE Safe content (search parameters by drug brand name, gender and age).	The page content includes a search bar and a search icon. "Drug brand name" is displayed in the search bar as gray instruction text. Below the search bar are 2 horizontally aligned option buttons: "Drug Recalls" and "Adverse Reactions". "Drug Recalls" is selected as the default view. To the right of "Adverse Reactions" is a drop-down menu, "All date ranges". The drop-down menu includes 3 time periods: • At any time • Past 30 days • Past 12 months "All date ranges" is displayed as the default value. Advanced Search Options are displayed on the row below the "Recalls" row but are disabled. The page displays	The "Email Subscription" icon and a "Clear Form and Results" icons only show after I perform a search. I only see "Drug recall and adverse reaction information directly from OpenFDA." displayed below the instructions when I have cleared my search results.		F

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		option buttons for "Male, "Female," and "Both." "Both" is selected as the default view. To the right of "Both" is a drop-down menu, "All age groups". The drop-down menu includes 8 time periods: • For any age group • Infants and toddlers 0 to 4 • Children 5 to 12 • Teens 13 to 17 • Young adults 18 to 25 • Adults 26 to 39 • Mid-aged adults 40 to 55 • Older adults 56 to 69 • Adults 70 and older "All age groups" is displayed as the default value. An "Email Subscription" icon and link and a "Clear Form and Results" icon and link are displayed below the Advanced Options row. Instruction text is displayed below the search criteria			

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		filters, "Enter a drug name, such as *aspirin*, in the search area and select either drug recalls or adverse reactions. Press enter or click the search button. Selecting adverse reactions will display additional search options." The words, "Drug recall and adverse reaction information directly from OpenFDA." are displayed below the instructions.			
5.	View the BE Safe footer.	The footer reads, "This data is sourced from the OpenFDA API and is not for clinical use. While the OpenFDA site makes every effort to ensure that data is accurate, you should assume all results are unvalidated. Developed by Buchanan & Edwards for demonstration purposes only."	The footer I see reads: "Data sourced from the OpenFDA API and is not for clinical use. Developed by Buchanan & Edwards for demonstration only."		F
6.	Click the Github link	The BE 18F Github website opens in a new tab (https://github.com/buchanan-edwards/RFQ-4QTFHS150004)	The link goes to the same URL and opens in a new tab but the site is down. (404 this is not the web page you are looking for)	GitHub link currently available to GitHub account holders only	F
7.	Click back to the tab open to the BE Safe website.	The BE Safe webpage appears as described in steps 1-5.	yes		P

	Execution Steps	Expected Results	Observed Results	Notes	P/F
8.	Click the Contact link.	A new email message opens in a new tab with the To: and Subject: fields pre-populated. **To:** gsabpa@buchanan-edwards.com **Subject:** RFQ-4QTFHS150004	yes		P
9.	Click back to the tab open to the BE Safe website.	The BE Safe webpage appears as described in steps 1-5.	yes		P
10.	Click the OpenFDA API link.	The OpenFDA API website opens in a new tab (https://open.fda.gov/)	yes		P
11.	Click back to the tab open to the BE Safe website.	The BE Safe webpage appears as described in steps 1-5.	yes		P
12.	Click the Buchanan & Edwards link.	The Buchanan & Edwards website opens in a new tab (http://buchanan-edwards.com/).	yes		P
13.	Click back to the tab open to the BE Safe website.	The BE Safe webpage appears as described in steps 1-5.	yes		P
14.	In the search bar, type a non-brand-name drug or nonsense text (i.e. abcde, etc.) and click the search icon (or hit the Enter key). Search parameters are set to: • Drug Recalls • All date ranges	The text entered replaces the instruction text in the search bar. The instruction textbox and tagline are replaced with a table of the search results.	yes		P

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Request for Quotation (RFQ) 4QTFHS150004
Approach Criteria Evidence

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		The search results display the message, "There were no results for [search text]."			
15.	Click the BE Safe logo in the header.	The BE Safe webpage clears the search parameters and returns to the home page view.	yes		P
16.	Open a browser on a tablet and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website. The site displays a header, sub-header, content and footer, as described in steps 1-15 with 2 notable differences: 5. The link to GitHub is only available from a horizontal view 6. The footer text is shortened, "This data is sourced from the OpenFDA API and is not for clinical use. Developed by Buchanan & Edwards for demonstration purposes only."	n/a – did not test with tablet	Tablet view defined as a 7"-9" notepad (533-800 pixels) Team in process of modifying footer text	N/A
17.	Open a browser on a smartphone and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website.	n/a – did not test with phone	Smartphone view defined as a	N/A

BE BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Request for Quotation (RFQ) 4QTFHS150004
Approach Criteria Evidence

Execution Steps	Expected Results	Observed Results	Notes	P/F
	The site displays a header, sub-header, content and footer, as described in steps 1-15 with 2 notable differences: 11. The option fields, "Drug Recalls," "Adverse Reactions" and the time period drop-down menu are aligned vertically above the "Clear Form and Results" link 12. The Advanced Options for "Adverse Reactions" are located below "Adverse Reactions" 13. The age group drop-down menu is located below the gender options 14. The header is fixed and scrolling is enabled below 15. The footer text is shortened to read, "This data is sourced from the OpenFDA API and is not for clinical use. Developed by Buchanan & Edwards		smart phone (≤ 414 pixels) End of test case.	

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Execution Steps	Expected Results	Observed Results	Notes	P/F
	for demonstration purposes only."			

The following is optional (may be included in separate Test Report):

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

Appendix 5.2 Test Case 002 – Search BE Safe Website

Appendix 5.2.1   Tester 1: Megan Saylor

Test Case ID: _____002_____Create/Update Date: _____6/25/2015_____

Author(s):_ Lauren Turbeville_____

Test Case Name: __Search BE Safe_____ Execution Date _6/25/2015___

Executed By: _Megan Saylor_____ Devices: _(laptop) Dell Laptop, Windows 8, Internet Explorer (tablet) Nexus 7, Android 5.1.1, Chrome 5.1.1 (smartphone) Samsung S5, 5.0, Chrome 5.0_____

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-15 – Search and Display Recall and Adverse Reaction Information BEG-24 Subscribe for Email alerts BEG-26 - Compatible with Desktop and Mobile Devices BEG-27 – Filter FDA Recall and Adverse Reactions by Multiple Criteria BEG-42 – UI Design BEG-77 – Update UI based on Feedback from Sprint 1 Demo	Execute a search on BE Safe for recalls and adverse reactions; View search results	User has access to a laptop or desktop, tablet, smartphone and the internet	Prerequisite test cases: 001 Follow-up test cases: 002, 003, 004	BE SharePoint site: /18F/Test Cases/1.0

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open a browser on a desktop computer and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website.	Observed as expected – content left justified in browser.	Desktop view defined as a 10" notebook or larger (≥ 1024 pixels)	F
2.	In the search bar, type a brand-name drug (i.e. aspirin, one-a-day, etc.) and click the search icon (or hit the Enter key). Search parameters are set to: • Drug Recalls • All date ranges	The text entered replaces the instruction text in the search bar. The instruction textbox and the tagline are replaced with a table of the search results. The search results table has three columns: "Date", "Drug recalls for [search text]", "and Share"	Observed as expected. For the share – the red box does not seem to have a link	The search results are limited to 50 results	F

BUCHANAN & EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		A scrollbar appears to the right of the page, between the header and footer.	associated with it – other two links work correctly.		
3.	Click the **Clear Form and Results** button	The BE Safe webpage clears the search parameters and returns to the home page view.	Observed as expected	Search parameters may be changed without resetting the search page by proceeding to the next step.	P
4.	In the search bar, type a non-brand-name drug or nonsense text (i.e. abcde, etc.) and click the search icon (or hit the Enter key). Search parameters are set to: • Drug Recalls • All date ranges	The text entered replaces the instruction text in the search bar. The instruction textbox and the tagline are replaced with a table of the search results. The search results display the message, "There were no results for [search text]."	Observed as expected		P
5.	Click the **Clear Form and Results** button	The BE Safe webpage clears the search parameters and returns to the home page view.	Observed as expected	Search parameters may be changed without resetting the search page by proceeding to the next step.	P
6.	In the search bar, type a brand-name drug (i.e. aspirin, one-a-day, etc.), select the time parameter, "Past 30 Days" and click the search icon (or hit the Enter key). The Drug Recalls is selected by default.	If drug recalls exist in the past 30 days, the results will be the same as step 2, narrowed to time constraint.	Hitting "enter" does not work, but clicking on the search icon does.		P

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		If drug recalls do not exist in the past 30 days, the results will be the same as step 4.			
7.	Update the time parameter to "Past 12 months" and click the search icon (or hit the Enter key). The Drug Recalls is selected by default.	If drug recalls exist in the past 12 months, the results will be the same as step 2, narrowed to time constraint. If drug recalls do not exist in the past 12 months, the results will be the same as step 4.	Hitting "enter" does not work, but clicking on the search icon does.		P
8.	Click the **Clear Form and Results** button	The BE Safe webpage clears the search parameters and returns to the home page view.	Observed as expected	Search parameters may be changed without resetting the search page by proceeding to the next step.	P
9.	In the search bar, type a brand-name drug (i.e. aspirin, one-a-day, etc.), select the "Adverse Reactions" option and click the search icon (or hit the Enter key). Search parameters are set to: • Adverse Reactions • All date ranges* • Both* • All age ranges* *default selections	The text entered replaces the instruction text in the search bar. The instruction textbox and tagline are replaced with a table of the search results. The search results table has three columns: "Date", "Adverse reactions to [search text], and "Share." A scrollbar appears to the right of the page, between the header and footer.	Observed as expected – same issue with red box link not appearing to share	The search results are limited to 50 results	F

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
10.	Click the **Clear Form and Results** button	The BE Safe webpage clears the search parameters and returns to the home page view.	Observed as expected	Search parameters may be changed without resetting the search page by proceeding to the next step.	P
11.	In the search bar, type a non-brand-name drug or nonsense text (i.e. abcde, etc.), select the "Adverse Reactions" option and click the search icon (or hit the Enter key). Search parameters are set to: • Adverse Reactions • All date ranges* • Both* • All age groups* *default selections	The text entered replaces the instruction text in the search bar. The instruction textbox and tagline are replaced with a table of the search results. The search results display the message, "There were no results for [search text]."	Observed as expected		P
12.	Click the **Clear Form and Results** button	The BE Safe webpage clears the search parameters and returns to the home page view.	Observed as expected	Search parameters may be changed without resetting the search page by proceeding to the next step.	P

Execution Steps	Expected Results	Observed Results	Notes	P/F
13. In the search bar, type a brand-name drug (i.e. aspirin, one-a-day, etc.) and change the search parameters to: • Adverse Reactions • Past 30 days* • Both* • All age groups* Click the search icon (or hit the Enter key).	If adverse reactions exist in the past 30 days for the parameters specified, the results will be the same as step 9, narrowed to time constraint. If adverse reactions do not exist in the past 30 days for the parameters specified, the results will be the same as step 11.	Need to click on the search icon to search again – otherwise, observed as expected		P

Buchanan & Edwards

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
14.	Update the parameters for Adverse Reactions and click the search icon (or hit the Enter key). Possible parameter combinations may be any of the following: • Time • All date ranges • Past 30 days • Past 12 months • Gender • Male • Female • Both • Age • All age groups • Infants and toddlers 0 to 4 • Children 5 to 12 • Teens 13 to 17 • Young adults 18 to 25 • Adults 26 to 39 • Mid-aged adults 40 to 55 • Older adults 56 to 69 • Adults 70 and older •	If adverse reactions exist for the parameters selected, the results will be the same as step 9. If adverse reactions do not exist for the parameters selected, the results will be the same as step 11. Age options: Infants and toddlers = Children Adults rather then young adults, mid-aged, older adults	Age groups are listed different: Children for infants and toddlers, and then teens, Adults	Repeat Step 14 for all possible combinations.	P
15.	Click the **Clear Form and Results** button	**The BE Safe webpage clears the search parameters and returns to the home page view.**			

	Execution Steps	Expected Results	Observed Results	Notes	P/F
16.	Open a browser on a tablet and type in: **"be-safe.azurewebsites.net"**	7. The browser opens to the BE Safe website formatted for tablet view.	Observed as expected	Tablet view defined as a 7"-9" notepad (533-800 pixels) See Test Case 001 for details of page layout.	P
17.	Repeat Steps 1-15 using a tablet.	16. Same results as Steps 1-15.	Observed as expected		P
18.	Open a browser on a mobile phone and type in: **"be-safe.azurewebsites.net"**	17. The browser opens to the BE Safe website formatted for mobile view.	Observed as expected	Smartphone view defined as a smart phone (≤ 414 pixels) See Test Case 001 for details of page layout.	P
19.	Repeat Steps 1-15 using a tablet.	18. Same results as Steps 1-15.	Observed as expected Red box hare link not attached	End of Test Case.	P

The following is optional (may be included in separate Test Report):

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

Appendix 5.2.2   Tester 2: Martin Hoang

Test Case ID: _____002_____Create/Update Date: _____6/25/2015_____

Author(s):__Lauren Turbeville_____

Test Case Name: __Search BE Safe_____ Execution Date _6/25/2015

Executed By: _Martin Hoang_____ Devices: _(laptop) Dell laptop Windows 8, Internet Explorer 11; (tablet) Apple iPad 3, iOS 8.3, Safari 8.3; (smartphone) Samsung S5, 5.0, Chrome 5.0

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-15 – Search and Display Recall and Adverse Reaction Information BEG-24 Subscribe for Email alerts BEG-26 - Compatible with Desktop and Mobile Devices BEG-27 – Filter FDA Recall and Adverse Reactions by Multiple Criteria BEG-42 – UI Design BEG-77 – Update UI based on Feedback from Sprint 1 Demo	Execute a search on BE Safe for recalls and adverse reactions; View search results	User has access to a laptop or desktop, tablet, smartphone and the internet	Prerequisite test cases: 001 Follow-up test cases: 002, 003, 004	BE SharePoint site: /18F/Test Cases/1.0

47

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Request for Quotation (RFQ) 4QTFHS150004
Approach Criteria Evidence

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open a browser on a desktop computer and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website.	**Same as expected**	Desktop view defined as a 10" notebook or larger (≥ 1024 pixels)	P
2.	In the search bar, type a brand-name drug (i.e. aspirin, one-a-day, etc.) and click the search icon (or hit the Enter key). Search parameters are set to: • Drug Recalls • All date ranges	The text entered replaces the instruction text in the search bar. The instruction textbox and the tagline are replaced with a table of the search results. The search results table has three columns: "Date", "Drug recalls for [search text]", "and Share" A scrollbar appears to the right of the page, between the header and footer.	**Same as expected**	The search results are limited to 50 results	P
3.	Click the **Clear Form and Results** button	The BE Safe webpage clears the search parameters and returns to the home page view.	**Same as expected**	Search parameters may be changed without resetting the search page by proceeding to the next step.	P

	Execution Steps	Expected Results	Observed Results	Notes	P/F
4.	In the search bar, type a non-brand-name drug or nonsense text (i.e. abcde, etc.) and click the search icon (or hit the Enter key). Search parameters are set to: • Drug Recalls • All date ranges	The text entered replaces the instruction text in the search bar. The instruction textbox and the tagline are replaced with a table of the search results. The search results display the message, "There were no results for [search text]."	**Same as expected**		P
5.	Click the **Clear Form and Results** button	The BE Safe webpage clears the search parameters and returns to the home page view.	**Same as expected**	Search parameters may be changed without resetting the search page by proceeding to the next step.	P
6.	In the search bar, type a brand-name drug (i.e. aspirin, one-a-day, etc.), select the time parameter, "Past 30 Days" and click the search icon (or hit the Enter key). The Drug Recalls is selected by default.	If drug recalls exist in the past 30 days, the results will be the same as step 2, narrowed to time constraint. If drug recalls do not exist in the past 30 days, the results will be the same as step 4.	**Same as expected**		P
7.	Update the time parameter to "Past 12 months" and click the search icon (or hit the Enter key). The Drug Recalls is selected by default.	If drug recalls exist in the past 12 months, the results will be the same as step 2, narrowed to time constraint. If drug recalls do not exist in the past 12 months, the results will be the same as step 4.	**Same as expected**		P

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
8.	Click the **Clear Form and Results** button	The BE Safe webpage clears the search parameters and returns to the home page view.	**Same as expected**	Search parameters may be changed without resetting the search page by proceeding to the next step.	P
9.	In the search bar, type a brand-name drug (i.e. aspirin, one-a-day, etc.), select the "Adverse Reactions" option and click the search icon (or hit the Enter key). Search parameters are set to: • Adverse Reactions • All date ranges* • Both* • All age ranges* *default selections	The text entered replaces the instruction text in the search bar. The instruction textbox and tagline are replaced with a table of the search results. The search results table has three columns: "Date", "Adverse reactions to [search text], and "Share." A scrollbar appears to the right of the page, between the header and footer.	**Same as expected**	The search results are limited to 50 results	P
10.	Click the **Clear Form and Results** button	The BE Safe webpage clears the search parameters and returns to the home page view.	**Same as expected**	Search parameters may be changed without resetting the search page by proceeding to the next step.	P
11.	In the search bar, type a non-brand-name drug or nonsense text (i.e. abcde, etc.),	The text entered replaces the instruction text in the search bar.	**Same as expected**		P

	Execution Steps	Expected Results	Observed Results	Notes	P/F
	select the "Adverse Reactions" option and click the search icon (or hit the Enter key). Search parameters are set to: • Adverse Reactions • All date ranges* • Both* • All age groups* *default selections	The instruction textbox and tagline are replaced with a table of the search results. The search results display the message, "There were no results for [search text]."			
12.	Click the **Clear Form and Results** button	The BE Safe webpage clears the search parameters and returns to the home page view.	**Same as expected**	Search parameters may be changed without resetting the search page by proceeding to the next step.	P
13.	In the search bar, type a brand-name drug (i.e. aspirin, one-a-day, etc.) and change the search parameters to: • Adverse Reactions • Past 30 days* • Both* • All age groups* Click the search icon (or hit the Enter key).	If adverse reactions exist in the past 30 days for the parameters specified, the results will be the same as step 9, narrowed to time constraint. If adverse reactions do not exist in the past 30 days for the parameters specified, the results will be the same as step 11.	**Same as expected**		P

	Execution Steps	Expected Results	Observed Results	Notes	P/F

14.	Update the parameters for Adverse Reactions and click the search icon (or hit the Enter key).
	
	Possible parameter combinations may be any of the following:
	• Time
	  • All date ranges
	  • Past 30 days
	  • Past 12 months
	• Gender
	  • Male
	  • Female
	  • Both
	• Age
	  • All age groups
	  • Infants and toddlers 0 to 4
	  • Children 5 to 12
	  • Teens 13 to 17
	  • Young adults 18 to 25
	  • Adults 26 to 39
	  • Mid-aged adults 40 to 55
	  • Older adults 56 to 69
	  • Adults 70 and older
	
	•
		If adverse reactions exist for the parameters selected, the results will be the same as step 9.
		If adverse reactions do not exist for the parameters selected, the results will be the same as step 11.
		
		Age options:
		
		Infants and toddlers = Children
		
		Adults rather then young adults, mid-aged, older adults
			Same as expected	Repeat Step 14 for all possible combinations.	P

15.	Click the **Clear Form and Results** button	**The BE Safe webpage clears the search parameters and returns to the home page view.**	**Same as expected**		P

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
16.	Open a browser on a tablet and type in: "**be-safe.azurewebsites.net**"	8. The browser opens to the BE Safe website formatted for tablet view.	**Same as expected**	Tablet view defined as a 7"-9" notepad (533-800 pixels) See Test Case 001 for details of page layout.	P
17.	Repeat Steps 1-15 using a tablet.	19. Same results as Steps 1-15.	**Same as expected**		P
18.	Open a browser on a mobile phone and type in: "**be-safe.azurewebsites.net**"	20. The browser opens to the BE Safe website formatted for mobile view.	**Same as expected**	Smartphone view defined as a smart phone (≤ 414 pixels) See Test Case 001 for details of page layout.	P
19.	Repeat Steps 1-15 using a tablet.	21. Same results as Steps 1-15.	**Same as expected**	End of Test Case.	P

The following is optional (may be included in separate Test Report):

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

Appendix 5.2.3   Tester 3: Daniel Tran

Test Case ID: _____002_____Create/Update Date: _____6/25/2015_____

Author(s):_ Lauren Turbeville_____

Test Case Name: ___Search BE Safe_____ Execution Date _6/25/2015

Executed By: _Danny Tran_____ Devices: _(laptop) Dell laptop; Windows 8.1; Chrome 43.0.2357.130 m; (smartphone) Apple iPhone 6, Chrome _____

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-15 – Search and Display Recall and Adverse Reaction Information BEG-24 Subscribe for Email alerts BEG-26 - Compatible with Desktop and Mobile Devices BEG-27 – Filter FDA Recall and Adverse Reactions by Multiple Criteria BEG-42 – UI Design BEG-77 – Update UI based on Feedback from Sprint 1 Demo	Execute a search on BE Safe for recalls and adverse reactions; View search results	User has access to a laptop or desktop, tablet, smartphone and the internet	Prerequisite test cases: 001 Follow-up test cases: 002, 003, 004	BE SharePoint site: /18F/Test Cases/1.0

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open a browser on a desktop computer and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website.	yes	Desktop view defined as a 10" notebook or larger (≥ 1024 pixels)	P

54

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
2.	In the search bar, type a brand-name drug (i.e. aspirin, one-a-day, etc.) and click the search icon (or hit the Enter key). Search parameters are set to: • Drug Recalls • All date ranges	The text entered replaces the instruction text in the search bar. The instruction textbox and the tagline are replaced with a table of the search results. The search results table has three columns: "Date", "Drug recalls for [search text]", "and Share" A scrollbar appears to the right of the page, between the header and footer.	yes	The search results are limited to 50 results	P
3.	Click the **Clear Form and Results** button	The BE Safe webpage clears the search parameters and returns to the home page view.	yes	Search parameters may be changed without resetting the search page by proceeding to the next step.	P
4.	In the search bar, type a non-brand-name drug or nonsense text (i.e. abcde, etc.) and click the search icon (or hit the Enter key). Search parameters are set to: • Drug Recalls • All date ranges	The text entered replaces the instruction text in the search bar. The instruction textbox and the tagline are replaced with a table of the search results. The search results display the message, "There were no results for [search text]."	yes		P
5.	Click the **Clear Form and Results** button	The BE Safe webpage clears the search parameters and	yes	Search parameters may be changed	P

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		returns to the home page view.		without resetting the search page by proceeding to the next step.	
6.	In the search bar, type a brand-name drug (i.e. aspirin, one-a-day, etc.), select the time parameter, "Past 30 Days" and click the search icon (or hit the Enter key). The Drug Recalls is selected by default.	If drug recalls exist in the past 30 days, the results will be the same as step 2, narrowed to time constraint. If drug recalls do not exist in the past 30 days, the results will be the same as step 4.	yes		P
7.	Update the time parameter to "Past 12 months" and click the search icon (or hit the Enter key). The Drug Recalls is selected by default.	If drug recalls exist in the past 12 months, the results will be the same as step 2, narrowed to time constraint. If drug recalls do not exist in the past 12 months, the results will be the same as step 4.	yes		P
8.	Click the **Clear Form and Results** button	The BE Safe webpage clears the search parameters and returns to the home page view.	yes	Search parameters may be changed without resetting the search page by proceeding to the next step.	P
9.	In the search bar, type a brand-name drug (i.e. aspirin, one-a-day, etc.), select the	The text entered replaces the instruction text in the search bar.	I see "all age groups" instead of "all age ranges," but all age groups was defaulted.	The search results are limited to 50 results	F

	Execution Steps	Expected Results	Observed Results	Notes	P/F
	"Adverse Reactions" option and click the search icon (or hit the Enter key). Search parameters are set to: • Adverse Reactions • All date ranges* • Both* • All age ranges* *default selections	The instruction textbox and tagline are replaced with a table of the search results. The search results table has three columns: "Date", "Adverse reactions to [search text], and "Share." A scrollbar appears to the right of the page, between the header and footer.			
10.	Click the **Clear Form and Results** button	The BE Safe webpage clears the search parameters and returns to the home page view.	yes	Search parameters may be changed without resetting the search page by proceeding to the next step.	P
11.	In the search bar, type a non-brand-name drug or nonsense text (i.e. abcde, etc.), select the "Adverse Reactions" option and click the search icon (or hit the Enter key). Search parameters are set to: • Adverse Reactions • All date ranges* • Both* • All age groups* *default selections	The text entered replaces the instruction text in the search bar. The instruction textbox and tagline are replaced with a table of the search results. The search results display the message, "There were no results for [search text]."	yes		P
12.	Click the **Clear Form and Results** button	The BE Safe webpage clears the search parameters and	yes	Search parameters may be changed	P

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		returns to the home page view.		without resetting the search page by proceeding to the next step.	
13.	In the search bar, type a brand-name drug (i.e. aspirin, one-a-day, etc.) and change the search parameters to: • Adverse Reactions • Past 30 days* • Both* • All age groups* Click the search icon (or hit the Enter key).	If adverse reactions exist in the past 30 days for the parameters specified, the results will be the same as step 9, narrowed to time constraint. If adverse reactions do not exist in the past 30 days for the parameters specified, the results will be the same as step 11.	yes		P

	Execution Steps	Expected Results	Observed Results	Notes	P/F

14.	Update the parameters for Adverse Reactions and click the search icon (or hit the Enter key).
	
	Possible parameter combinations may be any of the following:
	• Time
	  • All date ranges
	  • Past 30 days
	  • Past 12 months
	• Gender
	  • Male
	  • Female
	  • Both
	• Age
	  • All age groups
	  • Infants and toddlers 0 to 4
	  • Children 5 to 12
	  • Teens 13 to 17
	  • Young adults 18 to 25
	  • Adults 26 to 39
	  • Mid-aged adults 40 to 55
	  • Older adults 56 to 69
	  • Adults 70 and older
	
	•
		If adverse reactions exist for the parameters selected, the results will be the same as step 9.
		If adverse reactions do not exist for the parameters selected, the results will be the same as step 11.
		
		Age options:
		
		Infants and toddlers = Children
		
		Adults rather then young adults, mid-aged, older adults
			yes	Repeat Step 14 for all possible combinations.	P

15.	Click the **Clear Form and Results** button	**The BE Safe webpage clears the search parameters and returns to the home page view.**	yes		

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
16.	Open a browser on a tablet and type in: **"be-safe.azurewebsites.net"**	9. The browser opens to the BE Safe website formatted for tablet view.		Tablet view defined as a 7"-9" notepad (533-800 pixels) See Test Case 001 for details of page layout.	N/A
17.	Repeat Steps 1-15 using a tablet.	22. Same results as Steps 1-15.			N/A
18.	Open a browser on a mobile phone and type in: **"be-safe.azurewebsites.net"**	23. The browser opens to the BE Safe website formatted for mobile view.	Yes	Smartphone view defined as a smart phone (≤ 414 pixels) See Test Case 001 for details of page layout.	P
19.	Repeat Steps 1-15 using a tablet.	24. Same results as Steps 1-15.	yes	End of Test Case.	P

The following is optional (may be included in separate Test Report):

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

B E | B U C H A N A N ®
& E D W A R D S

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Appendix 5.3 Test Case 003 – Subscribe to BE Safe Alerts

Appendix 5.3.1   Tester 1: Megan Saylor

Test Case ID: _____003_____Create/Update Date: _____6/25/2015_____

Author(s):_Lauren Turbeville_____

Test Case Name: __Subscribe to BE Safe Alerts_____Execution Date __6/25/2015____

Executed By: _Megan Saylor_____ Devices: _(laptop) Dell Laptop, Windows 8, Internet Explorer (tablet) Nexus 7, Android 5.1.1, Chrome 5.1.1 (smartphone) Samsung S5, 5.0, Chrome 5.0_____

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-24 Subscribe for Email alerts BEG-26 - Compatible with Desktop and Mobile Devices	Subscribe to BE Safe alerts	User has access to a laptop or desktop, tablet, smartphone and the internet	Prerequisite test cases: 001,002 Follow-up test cases: 004, 005	BE SharePoint site: /18F/Test Cases/1.0

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open a browser on a desktop computer and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website.	Observed as expected http://be-safe.elasticbeanstalk.com/#/?type=recalls&date=any&gender=both&age=any	Desktop view defined as a 10" notebook or larger (≥ 1024 pixels)	P

	Execution Steps	Expected Results	Observed Results	Notes	P/F
2.	In the search bar, type a brand-name drug (i.e. aspirin, one-a-day, etc.) and click the search icon (or hit the Enter key). Search parameters are set to: • Drug Recalls • All date ranges	The text entered replaces the instruction text in the search bar. The instruction textbox and the tagline are replaced with a table of the search results. The search results table has three columns: "Date", "Drug recalls for [search text]", "and Share" A scrollbar appears to the right of the page, between the header and footer.	Observed as expected. If you click between drug recalls and adverse reactions the middle column updates before you hit search again.	The search results are limited to 50 results	F
3.	Click the **Email Subscription** link	A pop-up window opens with instruction text, an email address field, and Subscribe and Cancel buttons.	Observed as expected		P
4.	Enter only part of your email address and click **Subscribe.**	A validation error appears.	No validation message appears, but the subscribe box is not clickable.		F
5.	Enter your complete email address and click **Subscribe**.	A pop-up appears, "You will now receive email notifications from BE Safe" confirming your subscription to the alert.	Observed as expected		P
6.	Click OK to close the confirmation	The pop-up confirmation and subscription pop-up close. The search results page is visible.	Observed as expected		P

BUCHANAN® & EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
7.	Open a browser on a tablet and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website formatted for tablet view.	Observed as expected	Tablet view defined as a 7"-9" notepad (533-800 pixels) See Test Case 001 for details of page layout.	P
8.	Repeat Steps 1-6 using a tablet.	Same results as Steps 1-6.	Observed as expected		P
9.	Open a browser on a mobile phone and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website formatted for mobile view.	Observed as expected	Smartphone view defined as a smart phone (≤ 414 pixels) See Test Case 001 for details of page layout.	P
10.	Repeat Steps 1-6 using a tablet.	Same results as Steps 1-6.	Observed as expected	End of Test Case	P

The following is optional (may be included in separate Test Report):

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

Appendix 5.3.2   Tester 2: Martin Hoang

Test Case ID: _____003_____Create/Update Date: _____6/25/2015_____

Author(s):_Lauren Turbeville_____

Test Case Name: ___Subscribe to BE Safe Alerts_____Execution Date __6/25/2015_____

Executed By: _Martin Hoang_____ Devices: _(laptop) Dell laptop Windows 8, Internet Explorer 11; (tablet) Apple iPad 3, iOS 8.3, Safari 8.3; (smartphone) Samsung S5, 5.0, Chrome 5.0

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-24 Subscribe for Email alerts BEG-26 - Compatible with Desktop and Mobile Devices	Subscribe to BE Safe alerts	User has access to a laptop or desktop, tablet, smartphone and the internet	Prerequisite test cases: 001,002 Follow-up test cases: 004, 005	BE SharePoint site: /18F/Test Cases/1.0

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open a browser on a desktop computer and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website.	**Same as expected**	Desktop view defined as a 10" notebook or larger (≥ 1024 pixels)	P

	Execution Steps	Expected Results	Observed Results	Notes	P/F
2.	In the search bar, type a brand-name drug (i.e. aspirin, one-a-day, etc.) and click the search icon (or hit the Enter key). Search parameters are set to: • Drug Recalls • All date ranges	The text entered replaces the instruction text in the search bar. The instruction textbox and the tagline are replaced with a table of the search results. The search results table has three columns: "Date", "Drug recalls for [search text]", "and Share" A scrollbar appears to the right of the page, between the header and footer.	**Same as expected**	The search results are limited to 50 results	P
3.	Click the **Email Subscription** link	A pop-up window opens with instruction text, an email address field, and Subscribe and Cancel buttons.	**Same as expected**		P
4.	Enter only part of your email address and click **Subscribe.**	A validation error appears.	**When I hit "Subscribe" using an invalid email no validation error pops up. It just allows me to continuously hit the subscribe button** **One minute later a message pops up saying "Message from webpage"** **"There was an error requesting the subscription. GATEWAY_TIMEOUT**		F

	Execution Steps	Expected Results	Observed Results	Notes	P/F
5.	Enter your complete email address and click **Subscribe**.	A pop-up appears, "You will now receive email notifications from BE Safe" confirming your subscription to the alert.	**Same as expected**		P
6.	Click OK to close the confirmation	The pop-up confirmation and subscription pop-up close. The search results page is visible.	**Same as expected**		P
7.	Open a browser on a tablet and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website formatted for tablet view.	**Same as expected**	Tablet view defined as a 7"-9" notepad (533-800 pixels) See Test Case 001 for details of page layout.	P
8.	Repeat Steps 1-6 using a tablet.	Same results as Steps 1-6.	**Same as expected**		P
9.	Open a browser on a mobile phone and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website formatted for mobile view.	**Same as expected**	Smartphone view defined as a smart phone (≤ 414 pixels) See Test Case 001 for details of page layout.	P
10.	Repeat Steps 1-6 using a tablet.	Same results as Steps 1-6.	**Same as expected**	End of Test Case	P

BE | BUCHANAN® & EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

The following is optional (may be included in separate Test Report):

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

Appendix 5.3.3   Tester 3: Daniel Tran

Test Case ID: _____003_____Create/Update Date: _____6/25/2015_____

Author(s):_Lauren Turbeville_____

Test Case Name: __Subscribe to BE Safe Alerts_____Execution Date __6/25/2015____

Executed By: _Danny Tran_____ Devices: _(laptop) Dell laptop; Windows 8.1; Chrome 43.0.2357.130 m; (smartphone) Apple iPhone 6, Chrome _____

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-24 Subscribe for Email alerts BEG-26 - Compatible with Desktop and Mobile Devices	Subscribe to BE Safe alerts	User has access to a laptop or desktop, tablet, smartphone and the internet	Prerequisite test cases: 001,002 Follow-up test cases: 004, 005	BE SharePoint site: /18F/Test Cases/1.0

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open a browser on a desktop computer and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website.	yes	Desktop view defined as a 10" notebook or larger (≥ 1024 pixels)	P
2.	In the search bar, type a brand-name drug (i.e. aspirin, one-a-day, etc.) and click the search icon (or hit the Enter key). Search parameters are set to: • Drug Recalls • All date ranges	The text entered replaces the instruction text in the search bar. The instruction textbox and the tagline are replaced with a table of the search results. The search results table has three columns: "Date", "Drug recalls for [search text]", "and Share" A scrollbar appears to the right of the page, between the header and footer.	yes	The search results are limited to 50 results	F
3.	Click the **Email Subscription** link	A pop-up window opens with instruction text, an email address field, and Subscribe and Cancel buttons.	yes		P
4.	Enter only part of your email address and click **Subscribe.**	A validation error appears.	I don't receive any errors, I click subscribe nut nothing happens		F
5.	Enter your complete email address and click **Subscribe**.	A pop-up appears, "You will now receive email notifications from BE Safe" confirming your subscription to the alert.	Yes, I received the confirmation email		P

BUCHANAN &
EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Request for Quotation (RFQ) 4QTFHS150004
Approach Criteria Evidence

	Execution Steps	Expected Results	Observed Results	Notes	P/F
6.	Click OK to close the confirmation	The pop-up confirmation and subscription pop-up close. The search results page is visible.	yes		P
7.	Open a browser on a tablet and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website formatted for tablet view.		Tablet view defined as a 7"-9" notepad (533-800 pixels) See Test Case 001 for details of page layout.	N/A
8.	Repeat Steps 1-6 using a tablet.	Same results as Steps 1-6.			N/A
9.	Open a browser on a mobile phone and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website formatted for mobile view.	yes	Smartphone view defined as a smart phone (≤ 414 pixels) See Test Case 001 for details of page layout.	P
10.	Repeat Steps 1-6 using a tablet.	Same results as Steps 1-6.	yes	End of Test Case	P

The following is optional (may be included in separate Test Report):

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

Appendix 5.4 Test Case 004 – View BE Safe Alert Emails

Appendix 5.4.1   Tester 1: Megan Saylor

Test Case ID: _____004_____Create/Update Date: _____6/25/2015_____

Author(s):__Lauren Turbeville_____

Test Case Name: __View BE Safe Alert Emails_____ Execution Date 6/25/2015_____

Executed By: _Megan Saylor_____ Devices: _(laptop) Dell Laptop, Windows 8, Internet Explorer (tablet) Nexus 7, Android 5.1.1, Chrome 5.1.1 (smartphone) Samsung S5, 5.0, Chrome 5.0_____

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-24 Subscribe for Email alerts	Verify alert subscription	User has access to a laptop or desktop, tablet, smartphone and the internet	Prerequisite test cases: 001, 002, 003

Follow-up test cases: 005 | BE SharePoint site: /18F/Test Cases/1.0 |

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open your email account used to subscribe to BE Safe in Test Case 003.	Your email opens.	Observed as expected	Desktop view defined as a 10" notebook or larger (≥ 1024 pixels)	P
2.	Navigate to your inbox and open the email with the subject line, "You've been subscribed to a BE Safe recalls Alert!"	For a Recall alert, the email text reads, "Dear Valued Consumer, You have been subscribed to a recalls Alert. This means you will get regular updates about the Drug recalls. You should get your first summary shortly. *You are getting this email because you subscribed to an alert on the BE Safe system. Click here to unsubscribe from this alert.*	Observed as expected		P
3.		Dear Valued Consumer, Here is your BE Safe email of the day: **ibuprofen** Subpotent Drug: This lot is being recalled because of out-of-specification test results for Diphenhydramine citrate. First Aid Only, Inc is recalling Smart Tab First Aid ezRefill System Ibuprofen boxes and First Aid Cabinets containing	Similar email received for a different drug		P

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		these Ibuprofen boxes. Ibuprofen boxes (FAE 7014) were accidentally used to package aspirin packs (10 packs of 2 / 235mg tablets). Penicillin Cross Contamination: All lots of all products repackaged and distributed between 01/05/12 and 02/12/15 are being recalled because they were repackaged in a facility with penicillin products without adequate separation which could introduce the potential for cross contamination with penicillin. *You are getting this email because you subscribed to an alert on the BE Safe system. Click here to unsubscribe from this alert.*			
4.	Navigate to your inbox and open the email with the subject line, "You've been subscribed to a BE Safe adverse reactions Alert!"	For a Reaction alert, the email text reads, "Dear Valued Consumer Here is your BE Safe email of the day. [drug name].	Did not receive this email. Searched under Adverse Reactions and hit the subscribe link – got another email titled "You've been subscribed to a BE Safe recalls Alert!". In the email it		F

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		[Adverse reaction(s)] *You are getting this email because you subscribed to an alert on the BE Safe system. Click here to unsubscribe from this alert.*	has "You are getting…" portion twice. Also received BE Safe events Summary again – however looks like this one is for adverse reason as shown to the left.		
5.	Repeat Steps 1-4 using a tablet.	Same results as Steps 1-4.	Observed as expected	Tablet view defined as a 7"-9" notepad (533-800 pixels) See Test Case 001 for details of page layout.	P
6.	Repeat Steps 1-4 using a smartphone.	Same results as Steps 1-4.	Observed as expected	Smartphone view defined as a smart phone (≤ 414 pixels) See Test Case 001 for details of page layout. End of Test Case.	P

The following is optional (may be included in separate Test Report):

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

BUCHANAN
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

Appendix 5.4.2   Tester 2: Martin Hoang

Test Case ID: _____004_____Create/Update Date: _____6/25/2015_____

Author(s):_ Lauren Turbeville_____

Test Case Name: __View BE Safe Alert Emails_____ Execution Date 6/25/2015_____

Executed By: _Martin Hoang_____ Devices: _(laptop) Dell laptop Windows 8, Internet Explorer 11; (tablet) Apple iPad 3, iOS 8.3, Safari 8.3; (smartphone) Samsung S5, 5.0, Chrome 5.0

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-24 Subscribe for Email alerts	Verify alert subscription	User has access to a laptop or desktop, tablet, smartphone and the internet	Prerequisite test cases: 001, 002, 003 Follow-up test cases: 005	BE SharePoint site: /18F/Test Cases/1.0

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open your email account used to subscribe to BE Safe in Test Case 003.	Your email opens.	Same as expected	Desktop view defined as a 10" notebook or	P

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
				larger (≥ 1024 pixels)	
2.	Navigate to your inbox and open the email with the subject line, "You've been subscribed to a BE Safe recalls Alert!"	For a Recall alert, the email text reads, "Dear Valued Consumer, You have been subscribed to a recalls Alert. This means you will get regular updates about the Drug recalls. You should get your first summary shortly. *You are getting this email because you subscribed to an alert on the BE Safe system. Click here to unsubscribe from this alert.*	**Same as expected**		P
3.		Dear Valued Consumer, Here is your BE Safe email of the day: **ibuprofen** Subpotent Drug: This lot is being recalled because of out-of-specification test results for Diphenhydramine citrate. First Aid Only, Inc is recalling Smart Tab First Aid ezRefill System Ibuprofen boxes and First Aid Cabinets containing these Ibuprofen boxes. Ibuprofen boxes (FAE 7014) were accidentally used to	**Same as expected**		P

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Request for Quotation (RFQ) 4QTFHS150004
Approach Criteria Evidence

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		package aspirin packs (10 packs of 2 / 235mg tablets). Penicillin Cross Contamination: All lots of all products repackaged and distributed between 01/05/12 and 02/12/15 are being recalled because they were repackaged in a facility with penicillin products without adequate separation which could introduce the potential for cross contamination with penicillin. *You are getting this email because you subscribed to an alert on the BE Safe system. Click here to unsubscribe from this alert.*			
4.	Navigate to your inbox and open the email with the subject line, "You've been subscribed to a BE Safe adverse reactions Alert!"	For a Reaction alert, the email text reads, "Dear Valued Consumer Here is your BE Safe email of the day. [drug name]. [Adverse reaction(s)] *You are getting this email because you subscribed to an*	**Same as expected**		P

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		alert on the BE Safe system. Click here to unsubscribe from this alert.			
5.	Repeat Steps 1-4 using a tablet.	Same results as Steps 1-4.	**Same as expected**	Tablet view defined as a 7"-9" notepad (533-800 pixels) See Test Case 001 for details of page layout.	P
6.	Repeat Steps 1-4 using a smartphone.	Same results as Steps 1-4.	**Same as expected**	Smartphone view defined as a smart phone (≤ 414 pixels) See Test Case 001 for details of page layout. End of Test Case.	P

The following is optional (may be included in separate Test Report):

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Appendix 5.4.3   **Tester 3: Daniel Tran**

Test Case ID: _____004_____Create/Update Date: _____6/25/2015_____

Author(s):_Lauren Turbeville_____

Test Case Name: __View BE Safe Alert Emails_____ Execution Date 6/25/2015_____

Executed By: _Danny Tran_____ Devices: _(laptop) Dell laptop; Windows 8.1; Chrome 43.0.2357.130 m; (smartphone) Apple iPhone 6, Chrome _____

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-24 Subscribe for Email alerts	Verify alert subscription	User has access to a laptop or desktop, tablet, smartphone and the internet	Prerequisite test cases: 001, 002, 003 Follow-up test cases: 005	BE SharePoint site: /18F/Test Cases/1.0

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open your email account used to subscribe to BE Safe in Test Case 003.	Your email opens.	yes	Desktop view defined as a 10" notebook or larger (≥ 1024 pixels)	P
2.	Navigate to your inbox and open the email with the subject line, "You've been subscribed to a BE Safe recalls Alert!"	For a Recall alert, the email text reads, "Dear Valued Consumer, You have been subscribed to a	yes		P

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		recalls Alert. This means you will get regular updates about the Drug recalls. You should get your first summary shortly. *You are getting this email because you subscribed to an alert on the BE Safe system. Click* here *to unsubscribe from this alert.*			
3.		Dear Valued Consumer, Here is your BE Safe email of the day: **ibuprofen** Subpotent Drug: This lot is being recalled because of out-of-specification test results for Diphenhydramine citrate. First Aid Only, Inc is recalling Smart Tab First Aid ezRefill System Ibuprofen boxes and First Aid Cabinets containing these Ibuprofen boxes. Ibuprofen boxes (FAE 7014) were accidentally used to package aspirin packs (10 packs of 2 / 235mg tablets). Penicillin Cross Contamination: All lots of all products repackaged and distributed between 01/05/12	yes		P

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		and 02/12/15 are being recalled because they were repackaged in a facility with penicillin products without adequate separation which could introduce the potential for cross contamination with penicillin. *You are getting this email because you subscribed to an alert on the BE Safe system. Click here to unsubscribe from this alert.*			
4.	Navigate to your inbox and open the email with the subject line, "You've been subscribed to a BE Safe adverse reactions Alert!"	For a Reaction alert, the email text reads, "Dear Valued Consumer Here is your BE Safe email of the day. [drug name]. [Adverse reaction(s)] *You are getting this email because you subscribed to an alert on the BE Safe system. Click here to unsubscribe from this alert.*	I do not have en email for "You've been subscribed to a BE Safe adverse reactions Alert!"		F
5.	Repeat Steps 1-4 using a tablet.	Same results as Steps 1-4.		Tablet view defined as a 7"-9"	N/A

80

	Execution Steps	Expected Results	Observed Results	Notes	P/F
				notepad (533-800 pixels) See Test Case 001 for details of page layout.	
6.	Repeat Steps 1-4 using a smartphone.	Same results as Steps 1-4.	yes	Smartphone view defined as a smart phone (≤ 414 pixels) See Test Case 001 for details of page layout. End of Test Case.	P

The following is optional (may be included in separate Test Report):

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

Appendix 5.5 Test Case 005 – Unsubscribe from BE Safe Alerts

Appendix 5.5.1   Tester 1: Megan Saylor

Test Case ID: _____005_____Create/Update Date: _____6/25/2015_____

Author(s):_Lauren Turbeville_____

B E | B U C H A N A N®
& E D W A R D S

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Test Case Name: __Unsubscribe from BE Safe Alerts_____ Execution Date 6/25/2015_____

Executed By: _Megan Saylor_____ Devices: _(laptop) Dell Laptop, Windows 8, Internet Explorer (tablet) Nexus 7, Android 5.1.1, Chrome 5.1.1 (smartphone) Samsung S5, 5.0, Chrome 5.0_____

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-24 Subscribe for Email alerts BEG-26 - Compatible with Desktop and Mobile Devices	Unsubscribe from email alerts	User has access to a laptop or desktop, tablet, smartphone and the internet	Prerequisite test cases: 001, 002, 003, 004 Follow-up test cases: N/A	BE SharePoint site: /18F/Test Cases/1.0

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open your email account used to subscribe to BE Safe in Test Case 003.	Your email opens.	Observed as expected	Desktop view defined as a 10" notebook or larger (≥ 1024 pixels)	P
2.	Navigate to your inbox and open the email with the subject line, "You've been subscribed to a BE Safe recalls Alert!"		Observed as expected		P
3.	Click the "here" link in the body of the email.	A new tab opens in your browser. A confirmation message appears, " {	http://localhost:3000/api/subscribe/remove/4/d63c8e79-	'Unable to Connect' error occurs. Work around: replace	F

82

	Execution Steps	Expected Results	Observed Results	Notes	P/F

		`"msg": "You have been unsubscribed.",`
		`    "status": 200`
		`}`
		`"`
			1a45-49f5-a635-92e2a2766eeb
			
			New tab opens – page cannot be found. Above link does not work either.
				http://localhost:3000 with http://be-safe.elasticbeanstalk.com
				
				End of Test Case.	

4.	Repeat Steps 1-3 using a tablet.	Same results as Steps 1-3.	http://localhost:3000/api/subscribe/remove/4/d63c8e79-1a45-49f5-a635-92e2a2766eeb New tab opens – page cannot be found. Above link does not work either.	Tablet view defined as a 7"-9" notepad (533-800 pixels) See Test Case 001 for details of page layout.	F
5.	Repeat Steps 1-3 using a smartphone.	Same results as Steps 1-3.	http://localhost:3000/api/subscribe/remove/4/d63c8e79-1a45-49f5-a635-92e2a2766eeb New tab opens – page cannot be found. Above link does not work either.	Smartphone view defined as a smart phone ($\leq$ 414 pixels) See Test Case 001 for details of page layout. End of Test Case.	F

The following is optional (may be included in separate Test Report):

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

83

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

Appendix 5.5.2   Tester 2: Martin Hoang

Test Case ID: _____005_____Create/Update Date: _____6/25/2015_____

Author(s):_ Lauren Turbeville_____

Test Case Name: __Unsubscribe to BE Safe Alerts_____ Execution Date 6/25/2015_____

Executed By: _Martin Hoang_____ Devices: _(laptop) Dell laptop Windows 8, Internet Explorer 11; (tablet) Apple iPad 3, iOS 8.3, Safari 8.3; (smartphone) Samsung S5, 5.0, Chrome 5.0

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-24 Subscribe for Email alerts BEG-26 - Compatible with Desktop and Mobile Devices	Unsubscribe from email alerts	User has access to a laptop or desktop, tablet, smartphone and the internet	Prerequisite test cases: 001, 002, 003, 004 Follow-up test cases: N/A	BE SharePoint site: /18F/Test Cases/1.0

BE | BUCHANAN®
&EDWARDS

Request for Quotation (RFQ) 4QTFHS150004
Approach Criteria Evidence

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open your email account used to subscribe to BE Safe in Test Case 003.	Your email opens.	**Same as expected**	Desktop view defined as a 10" notebook or larger (≥ 1024 pixels)	P
2.	Navigate to your inbox and open the email with the subject line, "You've been subscribed to a BE Safe recalls Alert!"		**Same as expected**		P

3.	Click the "here" link in the body of the email.	A new tab opens in your browser.
		
		A confirmation message appears, "`{`
		`    "msg": "You have been unsubscribed.",`
		`    "status": 200`
		`}`
		"
			http://localhost:3000/api/subscribe/remove/4/d63c8e79-1a45-49f5-a635-92e2a2766eeb
			
			After clicking "here" to unsubscribe → "This page can't be displayed"
				'Unable to Connect' error occurs.
				
				Work around: replace http://localhost:3000 with http://be-safe.elasticbeanstalk.com
				
				End of Test Case.
					F

4.	Repeat Steps 1-3 using a tablet.	Same results as Steps 1-3.	**Same as step 3**	Tablet view defined as a 7"-9" notepad (533-800 pixels) See Test Case 001 for details of page layout.	F
5.	Repeat Steps 1-3 using a smartphone.	Same results as Steps 1-3.	**Same as step 3**	Smartphone view defined as a smart phone (≤ 414 pixels) See Test Case 001 for details of page layout.	F

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
				End of Test Case.	

The following is optional (may be included in separate Test Report):

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

Appendix 6   User Acceptance Testing: Sprint 6

Appendix 6.1 Test Case 001 – View BE Safe Website

Appendix 6.1.1   Tester 1: Christina Patterson

Test Case ID: _____001_____Create/Update Date: _____7/2/2015_____

Author(s):_Lauren Turbeville_____

Test Case Name: _View BE Safe Website_____ Execution Date _____7/3/15_____

Executed By: __Christina Patterson _____ Devices: _(laptop) ASUS SonicMaster, Windows 8, Internet Explorer 11.0.9600.17842; (tablet) Nexus 7, Android 5.1.1, Chrome 5.1.1 (smartphone) iPhone 6, iOS 8.3, Safari 8.3____

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-15 – Search and Display Recall and Adverse Reaction Information BEG-26 - Compatible with Desktop and Mobile Devices BEG-27 – Filter FDA Recall and Adverse Reactions by Multiple Criteria BEG-42 – UI Design BEG-77 – Update UI based on Feedback from Sprint 1 Demo BEG-112 – Update date range field BEG-116 – Create User Guide BEG-145 – Create Carousel of Drug Images	Verify a single website works well on desktop browsers and mobile devices; logo headers and footers; displays search fields and filter parameters; includes fields to subscribe to email alerts	User has access to a laptop or desktop and the internet	Prerequisite test cases: N/A Follow-up test cases: 002, 003, 004, 005	BE SharePoint site: /18F/Test Cases/1.0

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open a browser on a desktop/laptop computer and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website. The site displays a header, sub-header, content and footer.	OK	Desktop view defined as a 10" notebook or larger (≥ 1024 pixels)	P
2.	View the BE Safe header.	The header displays a BE Safe logo, and links to Contact Us, GitHub and a User Guide	OK		P
3.	Hover over the BE Safe header	The current version number is displayed.	OK		P
4.	Click the Github link	The BE 18F Github website opens in a new tab (https://github.com/buchanan-edwards/RFQ-4QTFHS150004)	404 error – don't have GitHub account	While in development, BE Safe GitHub is only accessible for privileged users	P
5.	Return to the tab open to the BE Safe website.	There are no changes to the BE Safe site.	OK		F
6.	Click the Contact Us link.	A new email message opens in a new tab with the To: and Subject: fields pre-populated. **To:** gsabpa@buchanan-edwards.com **Subject:** RFQ-4QTFHS150004	OK		P
7.	Return to the tab open to the BE Safe website.	There are no changes to the BE Safe site.	OK		P

BUCHANAN® & EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
8.	Click the User Guide link.	The BE Safe Content section displays a user guide.	OK		P
9.	Click the BE Safe logo in the header.	The BE Safe webpage returns to the original landing page (Step 1).	OK		P
10.	View the BE Safe sub-header.	The sub-header has a blue background with white tagline text that reads, "Search • Subscribe • Stay Informed"	OK		P
11.	View the BE Safe content	The page content includes a carousel of the 100 most prescribed drug images, names and purposes. The carousel scrolls to the right every 8 seconds. Left and Right arrows are enabled on the carousel to toggle through images. A search bar and a search button with a search icon. "Drug name" is displayed in the search bar as gray sample text. Instruction text is below the search criteria filters, "Enter a	OK		P

BUCHANAN® & EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		drug name, such as aspirin, in the search area and select either drug recalls or adverse reactions. Press enter or click the search button. Below the search bar are 2 filters: "Drug Recalls" and "Adverse Reactions" using radio buttons. "Drug Recalls" is selected as the default view. To the right of "Adverse Reactions" is a drop-down menu, "All date ranges".			
12.	View the options of the All date ranges drop-down menu	The drop-down menu includes 6 time periods: • All date ranges • Past 30 days • Past 60 days • Past 90 days • Past twelve months • Past five years "All date ranges" is displayed as the default value.	OK		P
13.	Click "Adverse Reactions	The page displays an Advanced Options below the filters. Radio buttons are displayed for "Male, "Female,"	OK		P

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		and "Both." "Both" is selected as the default view. To the right of "Both" is a drop-down menu, "All age groups".			
14.	View the options of the All age groups drop-down menu	The drop-down menu includes 8 time periods: • All age groups • Children 0 to 4 • Children 5 to 12 • Teens 13 to 17 • Adults 18 to 25 • Adults 26 to 39 • Adults 40 to 55 • Adults 56 to 69 • Adults 70+ "All age groups" is displayed as the default value.	OK		P
15.	View the BE Safe description.	The description has a gray background with black text that reads, "Drug recall and adverse reaction information directly from OpenFDA."	OK		P
16.	View the BE Safe footer.	The footer reads, "This data is sourced from the OpenFDA API and is not for clinical use. While the OpenFDA site makes every effort to ensure that data is accurate, you should	OK		P

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		assume all results are unvalidated. BE Safe was developed by Buchanan & Edwards for demonstration purposes only."			
17.	Click the OpenFDA API link in the footer.	The OpenFDA API website opens in a new tab (https://open.fda.gov/)	OK		P
18.	Return the tab open to the BE Safe website.	There are no changes to the BE Safe site.	OK		P
19.	Click the Buchanan & Edwards link in the footer.	The Buchanan & Edwards website opens in a new tab (http://buchanan-edwards.com/).	OK		P
20.	Return to the tab open to the BE Safe website.	There are no changes to the BE Safe site.	OK		P
21.	Open a browser on a tablet and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website. The site displays a header, sub-header, content and footer, as described in steps 1-20 with the following notable differences: 1. The carousel is only available from a horizontal view of the tablet.	OK	Tablet view defined as a 7"-9" notepad (533-800 pixels)	P

Execution Steps	Expected Results	Observed Results	Notes	P/F
	2. In a vertical view, a menu icon replaces the Contact Us, GitHub and User Guide links in the Header. When clicked, the subheader moves down In a horizontal view, the links are the same as the desktop view. 3. In a vertical view, the footer text is, "Sourced from the OpenFDA API and is not for clinical use. Developed by Buchanan & Edwards for demonstration only." In a horizontal view, the footer text is, "This data is sourced from the OpenFDA API and is not for clinical use. While the OpenFDA site makes every effort to ensure that data is accurate, you should assume all results are			

Request for Quotation (RFQ) 4QTFHS150004
Approach Criteria Evidence

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		unvalidated. BE Safe was developed by Buchanan & Edwards for demonstration purposes only."			
22.	Open a browser on a smartphone and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website. The site displays a header, sub-header, content and footer, as described in steps 1-20 with the following notable differences: 1. There is no carousel of drug images 2. A menu icon replaces the Contact Us, GitHub and User Guide links in the Header. When clicked, the subheader moves down 3. The option fields, "Drug Recalls," "Adverse Reactions" and "date rages" drop-down menu are aligned vertically 4. The Advanced Options for "Adverse Reactions" (Male,	OK	Smartphone view defined as a smart phone (≤ 414 pixels) End of test case.	P

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Execution Steps	Expected Results	Observed Results	Notes	P/F
	Female, Both, an Age Groups) are located below "Adverse Reactions" 5. The footer text is, "Sourced from the OpenFDA API and is not for clinical use. Developed by Buchanan & Edwards for demonstration only."			

The following is optional (may be included in separate Test Report):

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

Appendix 6.2 Test Case 002 – Search BE Safe Website

Appendix 6.2.1   Tester 1: Christina Patterson

Test Case ID: _____002_____Create/Update Date: _____7/2/2015_____

Author(s):_Lauren Turbeville_____

BUCHANAN & EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Test Case Name: __Search BE Safe Website_____ Execution Date _____7/3/2015_____
Executed By: __Christina Patterson _____ Devices: _(laptop) ASUS SonicMaster, Windows 8, Internet Explorer 11.0.9600.17842; (tablet) Nexus 7, Android 5.1.1, Chrome 5.1.1 (smartphone) iPhone 6, iOS 8.3, Safari 8.3___

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-14 – Access and Retrieve Recall and Adverse Reaction Information BEG-15 – Search and Display Recall and Adverse Reaction Information BEG-24 Subscribe for Email alerts BEG-88 – Add pagination to search results BEG-27 – Filter FDA Recall and Adverse Reactions by Multiple Criteria BEG-145 – Create Carousel of Drug Images	Execute a search on BE Safe for recalls and adverse reactions; View search results	User has access to a laptop or desktop, tablet, smartphone and the internet User views BE Safe as described in Test Case 001.	Prerequisite test cases: 001 Follow-up test cases: 002, 003, 004, 005, 006	BE SharePoint site: /18F/Test Cases/1.0

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open a browser on a desktop/laptop computer and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website.	OK	Desktop view defined as a 10" notebook or larger (≥ 1024 pixels)	P

	Execution Steps	Expected Results	Observed Results	Notes	P/F
2.	In the search bar, type a brand-name drug and click the search icon or hit the Enter key. Search parameters are set to: • Drug Recalls • All date ranges	The text entered replaces the instruction text in the search bar. The site description box is replaced with a table of the search results. Above the table, "Subscribe to Updates," "Clear", "Previous" and "Next" buttons display with the number of results returned. The search results table has three columns: "Date", "Drug recalls for [search text]", "and Share" Previous" and "Next" buttons display with the number of results returned also display below the table. A scrollbar appears to the right of the page, between the top of the page and footer.	OK		P
3.	Click the **Clear** button or click the BE Safe logo	The BE Safe webpage clears the search parameters and returns to the home page view.	OK	Search parameters may be changed without resetting the search page	P

BUCHANAN® & EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
				by proceeding to the next step. Alternatively type new text in the search bar and hit Search/Enter key	
4.	In the search bar, type a non-brand-name drug or nonsense text (i.e. abcde, etc.) and click the search icon or hit the Enter key. Search parameters are set to: • Drug Recalls • All date ranges	The text entered replaces the instruction text in the search bar. The instruction textbox and the tagline are replaced with a table of the search results. The search results display the message, "No drug recalls for [search text] given your current search criteria."	OK		P
5.	Click the **Clear** button or click the BE Safe logo	The BE Safe webpage clears the search parameters and returns to the home page view.	OK	Search parameters may be changed without resetting the search page by proceeding to the next step. Alternatively type new text in the search bar and hit Search/Enter key	P

	Execution Steps	Expected Results	Observed Results	Notes	P/F
6.	In the search bar, type a brand-name drug, select the time parameter, "Past 30 Days" and click the search icon (or hit the Enter key). The Drug Recalls is selected by default.	If drug recalls exist in the past 30 days, the results will be the same as step 2, narrowed to time constraint. If drug recalls do not exist in the past 30 days, the results will be the same as step 4.	OK		P
7.	Repeat step 6 for all time period filters	Same results as step 6 for the time period selected.	OK		P
8.	Click the **Clear** button or click the BE Safe logo	The BE Safe webpage clears the search parameters and returns to the home page view.	OK	Search parameters may be changed without resetting the search page by proceeding to the next step. Alternatively type new text in the search bar and hit Search/Enter key	P
9.	In the search bar, type a brand-name drug, select the "Adverse Reactions" option and click the search icon or hit the Enter key) Search parameters are set to: • Adverse Reactions • All date ranges* • Both* • All age ranges*	The text entered replaces the instruction text in the search bar. The site description box is replaced with a table of the search results. Above the table, "Subscribe to Updates," "Clear", "Previous" and "Next" buttons display	OK		P

![Buchanan & Edwards Logo]

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Request for Quotation (RFQ) 4QTFHS150004
Approach Criteria Evidence

	Execution Steps	Expected Results	Observed Results	Notes	P/F
	*default selections	with the number of results returned. The search results table has three columns: "Date", "Drug recalls for [search text]", "and Share" Previous" and "Next" buttons display with the number of results returned also display below the table. A scrollbar appears to the right of the page, between the top of the page and footer.			
10.	Click the **Clear** button or click the BE Safe logo	The BE Safe webpage clears the search parameters and returns to the home page view.	OK	Search parameters may be changed without resetting the search page by proceeding to the next step. Alternatively type new text in the search bar and hit Search/Enter key	P
11.	In the search bar, type a non-brand-name drug or nonsense text (i.e. abcde, etc.),	The text entered replaces the instruction text in the search bar. The instruction textbox and the tagline are replaced with a table of the search results.	OK		P

BUCHANAN & EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
	select the "Adverse Reactions" option and click the search icon (or hit the Enter key). Search parameters are set to: • Adverse Reactions • All date ranges* • Both* • All age groups* *default selections	The search results display the message, "No adverse reactions for [search text] given your current search criteria."			
12.	Click the **Clear** button or click the BE Safe logo	The BE Safe webpage clears the search parameters and returns to the home page view.	OK	Search parameters may be changed without resetting the search page by proceeding to the next step. Alternatively type new text in the search bar and hit Search/Enter key	P
13.	In the search bar, type a brand-name drug and change the search parameters to: • Adverse Reactions • Past 30 days* • Both* • All age groups* Click the search icon (or hit the Enter key).	If adverse reactions exist in the past 30 days for the parameters specified, the results will be the same as step 9, narrowed to time constraint. If adverse reactions do not exist in the past 30 days for the parameters specified, the	OK		P

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		results will be the same as step 11.			
14.	Repeat step 13 for all time period filters	Same results as step 13 for the time period, gender and age groups selected.	OK	Repeat Step 14 for all possible combinations.	P
15.	Click the **Clear** button or click the BE Safe logo	The BE Safe webpage clears the search parameters and returns to the home page view.	OK	Search parameters may be changed without resetting the search page by proceeding to the next step. Alternatively type new text in the search bar and hit Search/Enter key	P
16.	Click the arrows in the carousel (images) to scroll forward/backward through the images.	The carousel toggles forward/backward as instructed. The carousel holds on the drug for 8 seconds.	OK		P
17.	Click the image of the drug in the carousel	The carousel stops scrolling. The search results generate for the drug selected with defaults set to "Recalls" and "All date ranges". Page is displayed as described in Step 2.	OK		P

BUCHANAN®
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
18.	Click the Adverse Reactions radio button	The search results are automatically re-generate for the drug selected for "Adverse Reactions", "All date ranges", "Both" and "All age ranges" filters. Page is displayed as described in Step 9.	OK		P
19.	Modify any filters in Step 18 or click the Recalls option button to filter on the parameters available	The search results are automatically re-generate for the drug selected for "Adverse Reactions", "All date ranges", "Both" and "All age ranges" filters. Page is displayed as described in Step 9 for Adverse Reactions or Step 2 for Recalls.	OK		P
20.	Open a browser on a tablet and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website formatted for tablet view. The site displays as described in Test Case 001. The results are the same for steps 1-15. The carousel is only available from a horizontal view of the tablet. Functionality is as described in Steps 16-19.	OK	Tablet view defined as a 7"-9" notepad (533-800 pixels) See Test Case 001 for details of page layout.	P

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
21.	Repeat Steps 1-19 using a tablet.	Same results as Steps 1-19.	OK		P
22.	Open a browser on a mobile phone and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website formatted for smartphone view. The site displays as described in Test Case 001. The results are the same for steps 1-15. There is no carousel feature enabled for the smartphone view.	OK	Smartphone view defined as a smart phone (≤ 414 pixels) See Test Case 001 for details of page layout.	P
23.	Repeat Steps 1-15 using a smartphone.	Same results as Steps 1-15.	OK	End of Test Case.	P

The following is optional (may be included in separate Test Report):

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

Appendix 6.3 Test Case 003 – Subscribe to BE Safe Alerts

Appendix 6.3.1   Tester 1: Christina Patterson

Test Case ID: _____003_____Create/Update Date: _____7/2/2015_____

Author(s):__Lauren Turbeville_____

Test Case Name: __Subscribe to BE Safe Alerts_____ Execution Date _____7/3/2015_____

Executed By: __Christina Patterson _____ Devices: _(laptop) ASUS SonicMaster, Windows 8, Internet Explorer 11.0.9600.17842; (tablet) Nexus 7, Android 5.1.1, Chrome 5.1.1 (smartphone) iPhone 6, iOS 8.3, Safari 8.3___

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-24 Subscribe for Email alerts BEG-26 - Compatible with Desktop and Mobile Devices	Subscribe to BE Safe alerts	User has access to a laptop or desktop, tablet, smartphone and the internet; User executes a search on drug recalls or adverse reactions as described in Test Case 002.	Prerequisite test cases: 001,002 Follow-up test cases: 004, 005	BE SharePoint site: /18F/Test Cases/1.0

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open a browser on a desktop computer and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website.	OK	Desktop view defined as a 10" notebook or larger (≥ 1024 pixels)	P
2.	Execute a search on drug recalls or adverse reactions as described in Test Case 002 using a desktop/laptop computer.	Search results display as described in Test Case 002.	OK	The search results paginate at 10 results/page	P
3.	Click the **Email** button	A pop-up window opens with instruction text, an email	Button is "Subscribe to Updates"		F

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		address field, and Subscribe and Cancel buttons. The Subscribe button is disabled			
4.	Enter only part of your email address and click **Subscribe.**	The Subscribe button is disabled	Subscribe button is disabled until I type in @ with a letter after it – then becomes enabled Does not validate on .com, etc	Validation occurs on an @ symbol	P
5.	Enter your complete email address and click **Subscribe**.	A pop-up appears, "You will now receive email notifications from BE Safe." confirming your subscription to the alert.	OK		P
6.	Click OK to close the confirmation	The confirmation pop-up and subscription pop-up close. The search results page is enabled.	OK	End of test case	P

The following is optional (may be included in separate Test Report):

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

Appendix 6.4 Test Case 004 – View BE Safe Alert Emails

Appendix 6.4.1   Tester 1: Christina Patterson

Test Case ID: _____004_____Create/Update Date: _____7/2/2015_____

Author(s):_Lauren Turbeville_____

Test Case Name: __Subscribe to BE Safe Alerts_____ Execution Date _____7/3/2015_____

Executed By: __Christina Patterson _____ Devices: _(laptop) ASUS SonicMaster, Windows 8, Internet Explorer 11.0.9600.17842; (tablet) Nexus 7, Android 5.1.1, Chrome 5.1.1 (smartphone) iPhone 6, iOS 8.3, Safari 8.3____

BUCHANAN® & EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-24 Subscribe for Email alerts	Verify alert subscription	User has access to email (may be done with desktop/tablet or browser view). User executes a search on drug recalls or adverse reactions as described in Test Case 002 and has subscribed to an email alert as described in Test Case 003	Prerequisite test cases: 001, 002, 003 Follow-up test cases: 005	BE SharePoint site: /18F/Test Cases/1.0

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open your email account used to subscribe to BE Safe in Test Case 003 using any device.	Your email opens.	OK		P
2.	Navigate to your inbox and open the email with the subject line, "You've been subscribed to a BE Safe Recalls Alert!"	For a Recall alert, the email text reads, "Dear Valued Consumer, You have been subscribed to a Recalls Alert for [drug]. This means you will get regular updates about [drug] Recalls. You should get your first summary shortly. *You are getting this email because you subscribed to an*	OK		P

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		alert on the BE Safe system. Click here *to unsubscribe from this alert.*			
3.	Navigate to your inbox and open the email with the subject line, "BE Safe Recall Summary"	For an alert, the email text reads, "Dear Valued Consumer, Here is your BE Safe email of the day: **Recall: [drug]** [recall information] *You are getting this email because you subscribed to an alert on the BE Safe system. Click* here *to unsubscribe from this alert.*	OK		P
4.	Navigate to your inbox and open the email with the subject line, "You've been subscribed to a BE Safe Events Alert!"	For a Recall alert, the email text reads, "Dear Valued Consumer, You have been subscribed to a Events Alert for [drug]. This means you will get regular updates about [drug] Events. You should get your first summary shortly. *You are getting this email because you subscribed to an alert on the BE Safe system. Click* here *to unsubscribe from this alert.*	OK		P

Buchanan & Edwards

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
5.	Navigate to your inbox and open the email with the subject line, "BE Safe Events Summary"	For an alert, the email text reads, "Dear Valued Consumer, Here is your BE Safe email of the day: **Adverse Reaction: [drug]** [drug reaction 1] [drug reaction 2] [drug reaction 3 (etc, as applicable)] *You are getting this email because you subscribed to an alert on the BE Safe system. Click* here *to unsubscribe from this alert.*	OK	End of test case.	P

The following is optional (may be included in separate Test Report):

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

Appendix 6.5 Test Case 005 – Unsubscribe from BE Safe Alerts

Appendix 6.5.1   Tester 1: Christina Patterson

Test Case ID: _____005_____Create/Update Date: _____7/2/2015_____

Author(s):_Lauren Turbeville_____

Test Case Name: __Unsubscribe from BE Safe Alerts_____ Execution Date ___7/3/2015_____

Executed By: __Christina Patterson _____ Devices: _(laptop) ASUS SonicMaster, Windows 8, Internet Explorer 11.0.9600.17842; (tablet) Nexus 7, Android 5.1.1, Chrome 5.1.1 (smartphone) iPhone 6, iOS 8.3, Safari 8.3____

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-24 Subscribe for Email alerts BEG-26 - Compatible with Desktop and Mobile Devices	Unsubscribe from email alerts	User has access to email (may be done with desktop/tablet or browser view). User executes a search on drug recalls or adverse reactions as described in Test Case 002 and has subscribed to an email alert as described in Test Case 003	Prerequisite test cases: 001, 002, 003, 004 Follow-up test cases: N/A	BE SharePoint site: /18F/Test Cases/1.0

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open your email account used to subscribe to BE Safe in Test Case 003.	Your email opens.	OK		P
2.	Navigate to your inbox and open the email with the subject line, "You've been subscribed to a BE Safe Recalls Alert!"		OK		P

111

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F

3.	Click the "here" link in the body of the email.	A new tab opens in your browser.
		
		A confirmation message appears, "{
		    "msg": "You have been unsubscribed.",
		    "status": 200
		}
		"
			OK		P

4.	Navigate to your inbox and open the email with the subject line, "You've been subscribed to a BE Safe Events Alert!"		OK		P

5.	Click the "here" link in the body of the email.	A new tab opens in your browser.
		
		A confirmation message appears, "{
		    "msg": "You have been unsubscribed.",
		    "status": 200
		}
		"
			Incomplete link; cannot view new tab or reach confirmation message	End of test case.	F

The following is optional (may be included in separate Test Report):

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround

Appendix 6.6 Test Case 006 – View BE Safe Website

Appendix 6.6.1   Tester 1: Christina Patterson

Test Case ID: _____006_____Create/Update Date: _____7/2/2015_____

Author(s):_Lauren Turbeville_____

Test Case Name: __Share BE Safe _____Execution Date _____7/3/2015_____

Executed By: __Christina Patterson _____ Devices: _(laptop) ASUS SonicMaster, Windows 8, Internet Explorer 11.0.9600.17842; (tablet) Nexus 7, Android 5.1.1, Chrome 5.1.1 (smartphone) iPhone 6, iOS 8.3, Safari 8.3____

Requirements Tested	Test Description	Pre-Conditions	Inter-Case Dependencies	Script Location
BEG-83 Share Search Query with Social Media BEG-82 Notify FDA of Adverse Reaction BEG-73 Share Search Results with Social Media	Share BE Safe search on Social Media	User has access to a laptop or desktop, tablet and mobile pone and the internet	Prerequisite test cases: 001, 002 Follow-up test cases: N/A	BE SharePoint site: /18F/Test Cases/1.0

	Execution Steps	Expected Results	Observed Results	Notes	P/F
1.	Open a browser on a desktop computer and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website.	OK	Desktop view defined as a 10" notebook or larger (≥ 1024 pixels)	P
2.	Execute a search on drug recalls as described in Test Case 002 using a desktop/laptop computer.	Search results for a drug recall display as described in Test Case 002.	OK	The drug searched needs to render positive search results.	P
3.	Click the **Share** icon link	3 icons appear in place of the share icon clicked: • Twitter icon • Facebook icon • An X icon	OK		P
4.	Click the Twitter icon	A new tab in your browser opens to the Twitter website, prompting you to share your link with your followers.	OK	User must login to Twitter to complete share on Twitter	P
5.	Copy the link out of Twitter and paste into a new tab to confirm the link is active.	The BE Safe site opens to the specific query and search results you searched on.	OK		P
6.	Click the Facebook icon	A new tab in your browser opens to the Facebook website, prompting you to login.	OK	User must login to Facebook to complete share on Facebook Facebook will share the BE Safe site	P

114

	Execution Steps	Expected Results	Observed Results	Notes	P/F
7.	Click the X icon	The share icon replaces the Twitter, Facebook, and X icon	OK		P
8.	Navigating to a Share icon on a different row.	The share icon replaces the Twitter, Facebook, and X icon on the previously selected row. The Twitter, Facebook, and X icon replace the share icon on the newly selected row	OK		P
9.	Execute a search on drug recalls as described in Test Case 002 using a desktop/laptop computer.	Search results for a drug recall display as described in Test Case 002.	OK	The drug searched needs to render positive search results.	P
10.	Click the **Share** icon link	4 icons appear in place of the share icon clicked: • Red medical kit icon • Twitter icon • Facebook icon • An X icon	OK		P
11.	Click the Red medical kit icon	A My Adverse Reaction pop-up window opens with a Complaint text field, consent	OK		P

115

B U C H A N A N®
& E D W A R D S

1700 N Moore Street, Suite 2110
Arlington, VA 22209

Request for Quotation (RFQ) 4QTFHS150004
Approach Criteria Evidence

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		checkbox and email address field. The Consent text states "I am willing to be contacted." A link to the MedWatch Consumer Voluntary Reporting Form (PDF) is provided. Report and Cancel button are displayed. The Report button is disabled.			
12.	Enter text in the Complaint textbox	The Report button is enabled	OK		P
13.	Check the checkbox next to the consent textbox	The Report button is disabled	OK		P
14.	Enter only part of your email address.	The Report button is disabled	Subscribe button is disabled until I type in @ with a letter after it – then becomes enabled Does not validate on .com, etc	Validation occurs on an @ symbol	P
15.	Enter your complete email address.	The Report button is enabled. A pop-up appears, "Your adverse reaction has been reported." confirming your submission.	OK		P
16.	Click the Twitter icon	A new tab in your browser opens to the Twitter website,	OK	User must login to Twitter to	P

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		prompting you to share your link with your followers.		complete share on Twitter	
17.	Copy the link out of Twitter and paste into a new tab to confirm the link is active.	The BE Safe site opens to the specific query and search results you searched on.	OK		P
18.	Click the Facebook icon	A new tab in your browser opens to the Facebook website, prompting you to login.	OK	User must login to Facebook to complete share on Facebook Facebook will share the BE Safe site	P
19.	Click the X icon	The share icon replaces the Twitter, Facebook, and X icon	OK		P
20.	Navigating to a Share icon on a different row.	The share icon replaces the Twitter, Facebook, and X icon on the previously selected row. The Twitter, Facebook, and X icon replace the share icon on the newly selected row	OK	End of test case	P
21.	Open a browser on a tablet and type in: "**be-safe.azurewebsites.net**"	The browser opens to the BE Safe website for tablet view as described in Test Case 001.	OK	Tablet view defined as a 7"-9" notepad (533-800 pixels)	P
22.	Repeat Steps 1-20 using a tablet.	Same results as Steps 1-20.	OK		P

BUCHANAN
& EDWARDS

1700 N Moore Street, Suite 2110
Arlington, VA 22209

	Execution Steps	Expected Results	Observed Results	Notes	P/F
23.	Open a browser on a smartphone and type in: **"be-safe.azurewebsites.net"**	The browser opens to the BE Safe website for smartphone view as described in Test Case 001.	OK	Smartphone view defined as a smart phone (≤ 414 pixels)	P
24.	Repeat Steps 1-20 using a smartphone.	Same results as Steps 1-20.	OK	End of test case.	P

The following is optional (may be included in separate Test Report):

Failed Step #	Priority	PCR #	Source of Error	Impact Analysis	Workaround