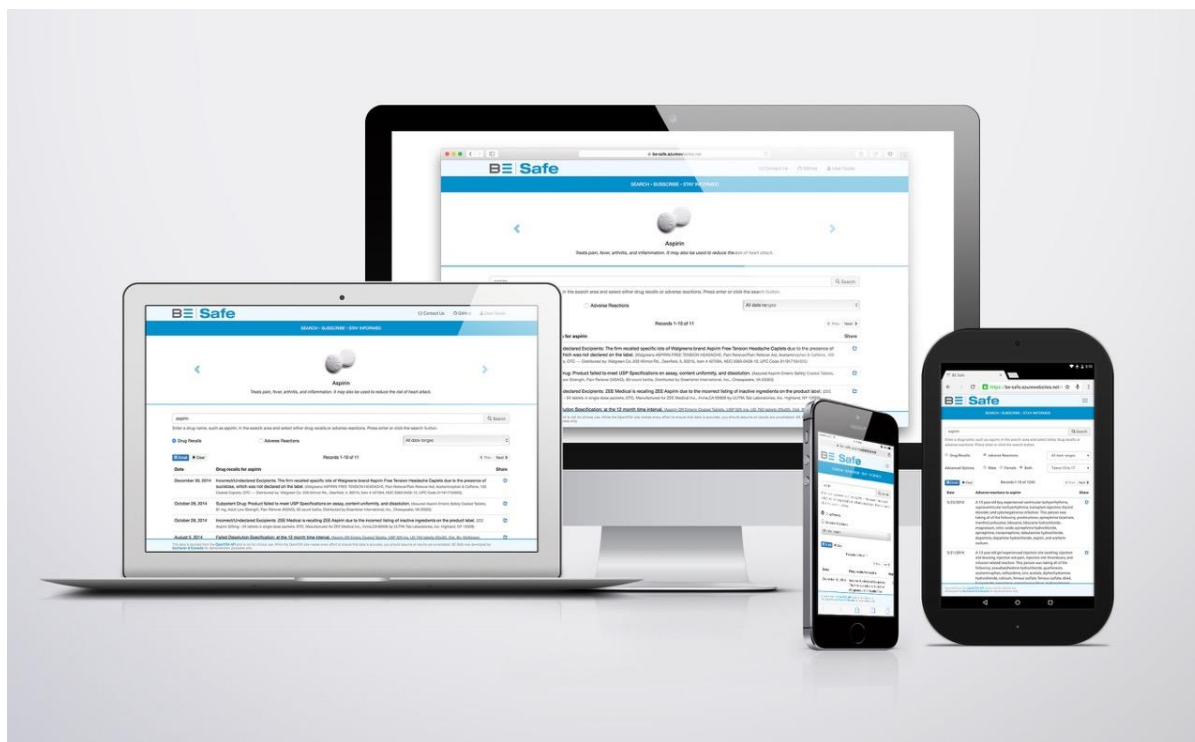


**h. Created a prototype that works on multiple devices, and presents a responsive design.**

**h.1. Responsive Design**

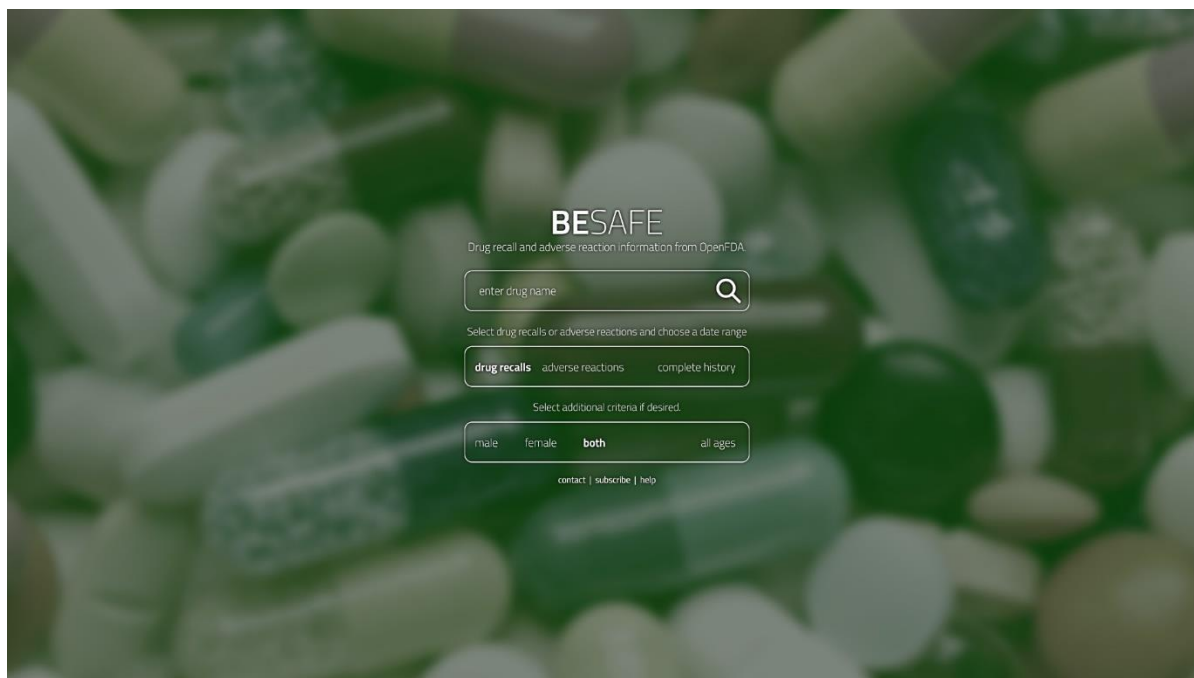
BE created a prototype of a single website that works well on both desktop browsers and mobile devices. BE Safe has a responsive design that adjusts with the resizing of a browser for desktop and across the many Apple and Android mobile devices. An example of the responsive design is shown using screenshots of the BE Safe website across desktops, laptops, tablets and smartphones in the image below.



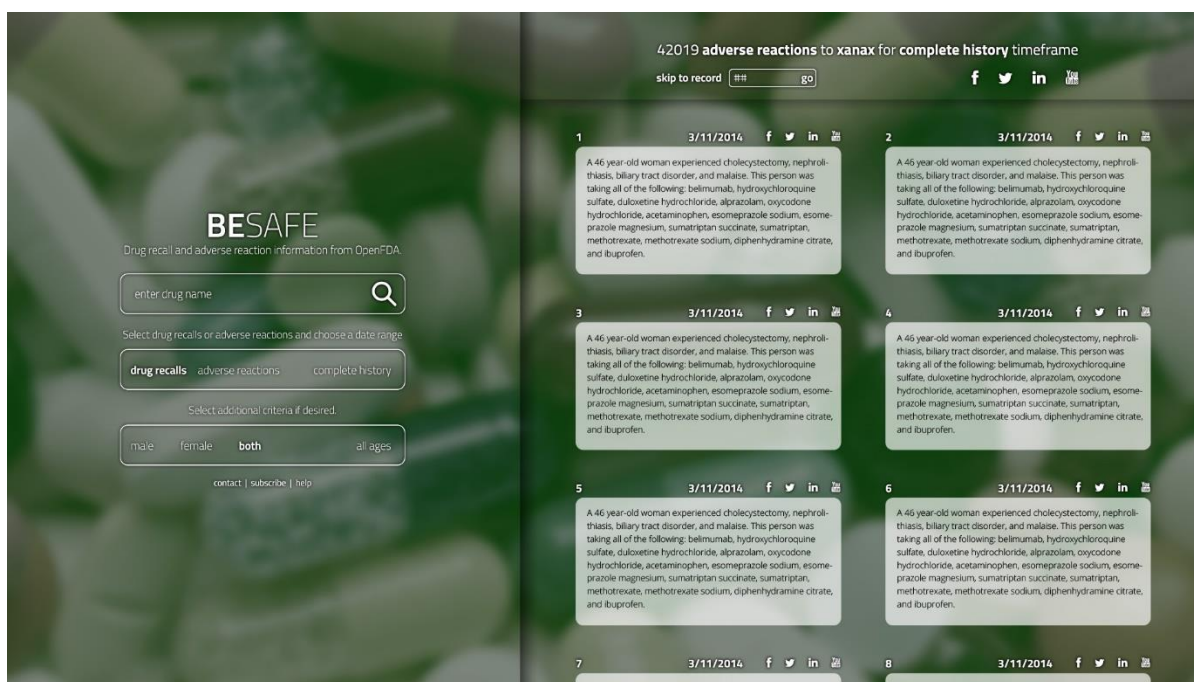
**Figure 1. BE Safe Responsive Design**

BE verified the responsive design during sprint demos and during functional testing and usability testing, the results of which were recording in the JIRA tool.

BE recognizes BE Safe is a prototype and plans to solicit feedback on the design of the beta version of BE Safe by providing the relevant stakeholders with a few options on the design of BE Safe. This presentation would include options on logos, website color scheme and skins, fonts, features and functionality. BE has begun to mock-up design alternatives to BE Safe for the sake of comparison purpose of obtaining feedback and has included them below.



**Figure 2. Responsive design for future releases**



**Figure 3. Responsive design for future releases**

## **h.2. Devices Tested**

A list of the devices used to test the responsive design are listed in the table below.

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
			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 Pro 3	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]

**Figure 4. Devices used to validate responsive design**

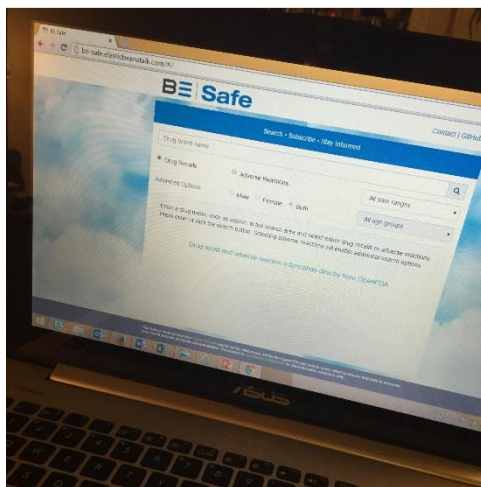
## **h.3. Verification of Responsive Design**

BE tested the BE Safe website using a variety of the devices listed in the table above.

### **h.3.1. BE Safe Responsive Design in Sprint 4**

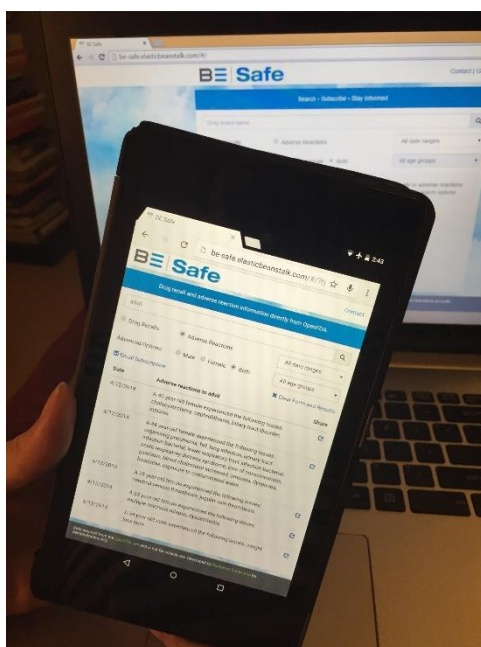
Below are some photos of the prototype in use as of Sprint 4.

**h.3.1.1. Desktop/Laptop View**



**Figure 5. ASUS laptop running Windows 8 using Google Chrome Version 43.0.2357.130m**

**h.3.1.2. Tablet View**



**Figure 6. ASUS Nexus tablet running Android 5.1.1 using Google Chrome**

**h.3.1.3. Smartphone View**

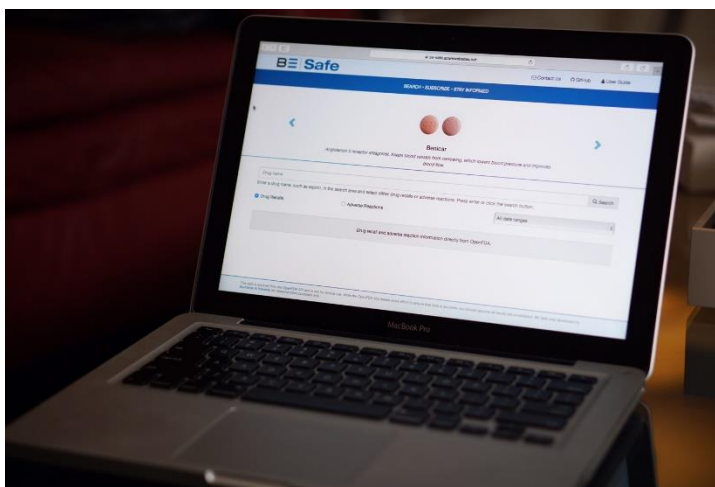


**Figure 7. Apple iPhone6 running iOS8.3 using Safari**

**h.3.2. BE Safe Responsive Design in Sprint 6**

Below are some photos of the prototype in use as of Sprint 6.

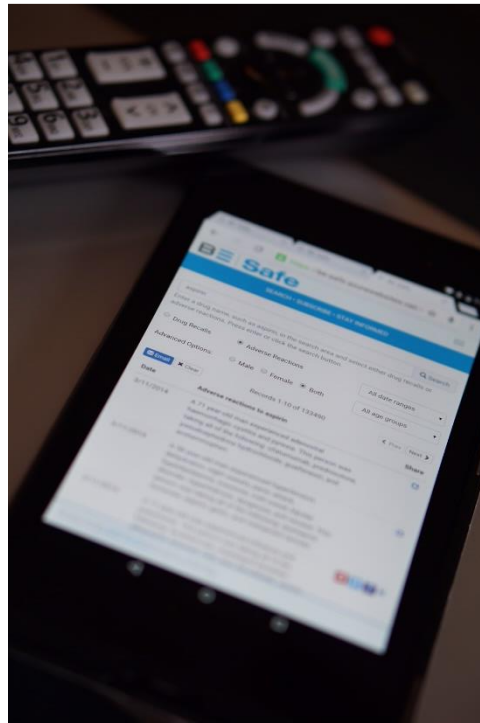
**h.3.2.1. Desktop/Laptop View**



**Figure 8. Apple MacBook Pro laptop running OSX 10.9 using Safari 7.0.6 (9537.78.2)**

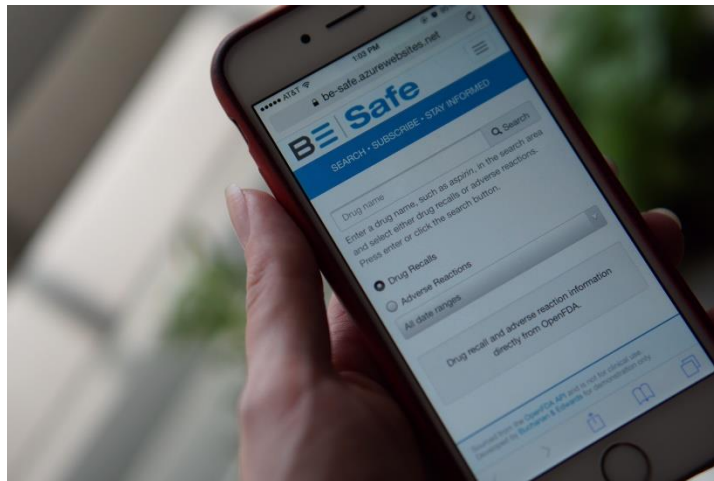


**h.3.2.2. Tablet View**



**Figure 9. ASUS Nexus tablet running Android 5.1.1 using Google Chrome**

**h.3.2.3. Smartphone View**



**Figure 10. Apple iPhone6 running iOS8.3 using Safari 8.3**

**Appendix A. Test case 001 – View BE Safe Website as of Sprint 4**

**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,	Observed results as expected  Content seems to be justified to the left	Desktop view defined as a 10" notebook or larger (≥ 1024 pixels)	P



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		sub-header, content and footer.			
<b>2.</b>	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	<b>F</b>
<b>3.</b>	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.		<b>P</b>





4.	<p>View the BE Safe content (search parameters by drug brand name, gender and age).</p>	<p>The page content includes a search bar and a search icon. "Drug brand name" is displayed in the search bar as gray instruction text.</p> <p>Below the search bar are 2 horizontally aligned option buttons: "Drug Recalls" and "Adverse Reactions". "Drug Recalls" is selected as the default view.</p> <p>To the right of "Adverse Reactions" is a drop-down menu, "All date ranges". The drop-down menu includes 3 time periods:</p> <ul style="list-style-type: none"><li>• At any time</li><li>• Past 30 days</li><li>• Past 12 months</li></ul> <p>"All date ranges" is displayed as the default value.</p> <p>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.</p>	<p>Drop down shows "All date ranges" rather than "At any time"</p>	F
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		<p>To the right of "Both" is a drop-down menu, "All age groups". The drop-down menu includes 8 time periods:</p> <ul style="list-style-type: none"><li>• For any age group</li><li>• Infants and toddlers 0 to 4</li><li>• Children 5 to 12</li><li>• Teens 13 to 17</li><li>• Young adults 18 to 25</li><li>• Adults 26 to 39</li><li>• Mid-aged adults 40 to 55</li><li>• Older adults 56 to 69</li><li>• Adults 70 and older</li></ul> <p>"All age groups" is displayed as the default value.</p> <p>An "Email Subscription" icon and link and a "Clear Form and Results" icon and link are displayed below the Advanced Options row.</p> <p>Instruction text is displayed below the search criteria filters, "Enter a drug name, such as <i>aspirin</i>, in the search area and select either drug recalls or adverse reactions.</p>	<p>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</p>		
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		<p>Press enter or click the search button. Selecting adverse reactions will display additional search options.”</p> <p>The words, “Drug recall and adverse reaction information directly from OpenFDA.” are displayed below the instructions.</p>	<p>infants and toddlers, and Adults after teens</p> <p>Able to click after selecting “Adverse Reactions”</p> <p>I do not see an “Email Subscription” or a “Clear Form and Results”</p> <p>All others – observed as expected</p>		
5.	View the BE Safe footer.	<p>The footer reads, “This data is sourced from the <a href="#">OpenFDA API</a> and is not for clinical use. While the OpenFDA site makes every effort to ensure that</p>	<p>Observed as expected – links work to open additional tabs.</p>		P



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***Approach Criteria Evidence***

		data is accurate, you should assume all results are unvalidated. Developed by <a href="#">Buchanan &amp; Edwards</a> for demonstration purposes only."			
6.	Click the GitHub link	The BE 18F GitHub website opens in a new tab ( <a href="https://github.com/buchanan-edwards/RFQ-4QTFHS150004">https://github.com/buchanan-edwards/RFQ-4QTFHS150004</a> )	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.  <b>To:</b> gsabpa@buchanan-edwards.com <b>Subject:</b> 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 ( <a href="https://open.fda.gov/">https://open.fda.gov/</a> )	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
12.	Click the Buchanan & Edwards link.	The Buchanan & Edwards website opens in a new tab	Observed as expected		P



		(http://buchanan-edwards.com/).			
<b>13.</b>	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
<b>14.</b>	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: <ul style="list-style-type: none"><li>• Drug Recalls</li><li>• All date ranges</li></ul>	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
<b>15.</b>	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



16.	<p>Open a browser on a tablet and type in: <b>"be-safe.azurewebsites.net"</b></p>	<p>The browser opens to the BE Safe website.</p> <p>The site displays a header, sub-header, content and footer, as described in steps 1-15 with 2 notable differences:</p> <ol style="list-style-type: none"><li>1. The link to GitHub is only available from a horizontal view</li><li>2. The footer text is shortened, "This data is sourced from the <a href="#">OpenFDA API</a> and is not for clinical use. Developed by <a href="#">Buchanan &amp; Edwards</a> for demonstration purposes only."</li></ol>	<p>Footer longer version – same as on laptop.</p> <p>Same issue with subscription link and clear form as with laptop.</p> <p>Contact and GitHub links work on tablet.</p>	<p>Tablet view defined as a 7"-9" notepad (533-800 pixels)</p> <p>Team in process of modifying footer text</p>	F
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17.	<p>Open a browser on a smartphone and type in: <b>"be-safe.azurewebsites.net"</b></p>	<p>The browser opens to the BE Safe website.</p> <p>The site displays a header, sub-header, content and footer, as described in steps 1-15 with 2 notable differences:</p> <ol style="list-style-type: none"><li>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</li><li>2. The Advanced Options for "Adverse Reactions" are located below "Adverse Reactions"</li><li>3. The age group drop-down menu is located below the gender options</li><li>4. The header is fixed and scrolling is enabled below</li><li>5. The footer text is shortened to read, "This data is sourced from the <a href="#">OpenFDA API</a> and is not for clinical use. Developed by</li></ol>	<p>Do not show the "Clear Form and Results" link</p> <p>Yes, except without the leading "This". Links work.</p>	<p>Smartphone view defined as a smart phone (<math>\leq 414</math> pixels)</p> <p>End of test case.</p>	F
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		<a href="#">Buchanan &amp; Edwards</a> for demonstration purposes only.”	Everything else – observed as expected.  Not able to rotate screen on phone.  Contact links works – not GitHub shown.		
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**The following is optional (may be included in separate Test Report):**

<b>Failed Step #</b>	<b>Priority</b>	<b>PCR #</b>	<b>Source of Error</b>	<b>Impact Analysis</b>	<b>Workaround</b>

**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

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,	Same as expected	Desktop view defined as a 10" notebook or larger ( $\geq 1024$ pixels)	P



	Execution Steps	Expected Results	Observed Results	Notes	P/F
		sub-header, content and footer.			
2.	View the BE Safe header.	The header displays a BE Safe logo, a "Contact" link and "GitHub" link.	<b>Same as expected</b>	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"	<b>Same as expected</b>		P
4.	View the BE Safe content (search parameters by drug brand name, gender and age).	<p>The page content includes a search bar and a search icon. "Drug brand name" is displayed in the search bar as gray instruction text.</p> <p>Below the search bar are 2 horizontally aligned option buttons: "Drug Recalls" and "Adverse Reactions". "Drug Recalls" is selected as the default view.</p> <p>To the right of "Adverse Reactions" is a drop-down menu, "All date ranges". The drop-down menu includes 3 time periods:</p>	<p>The drop-down menu includes <b>4</b> time periods: "<b><u>At any time</u></b>" <b><u>need to be included</u></b></p> <p><b>Drop down box shows...</b></p> <ul style="list-style-type: none"><li>• <b>"Children 0 to 4" and should be changed to</b></li></ul>		F



		<ul style="list-style-type: none"><li>• At any time</li><li>• Past 30 days</li><li>• Past 12 months</li></ul> <p>"All date ranges" is displayed as the default value.</p> <p>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.</p> <p>To the right of "Both" is a drop-down menu, "All age groups". The drop-down menu includes 8 time periods:</p> <ul style="list-style-type: none"><li>• For any age group</li><li>• Infants and toddlers 0 to 4</li><li>• Children 5 to 12</li><li>• Teens 13 to 17</li><li>• Young adults 18 to 25</li><li>• Adults 26 to 39</li><li>• Mid-aged adults 40 to 55</li><li>• Older adults 56 to 69</li><li>• Adults 70 and older</li></ul>	<p><b>"Infants and toddlers 0 to 4"</b></p> <ul style="list-style-type: none"><li>• <b>"Adults 18 to 25" should be changed to "Young adults 18 to 25"</b></li><li>• <b>"Adults 40 to 55" should be changed to "Mid-aged adults 40 to 55"</b></li><li>• <b>"Adults 56 to 69" should be changed to "Older adults 56 to 69"</b></li></ul>		
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	Execution Steps	Expected Results	Observed Results	Notes	P/F
		<p>"All age groups" is displayed as the default value.</p> <p>An "Email Subscription" icon and link and a "Clear Form and Results" icon and link are displayed below the Advanced Options row.</p> <p>Instruction text is displayed below the search criteria filters, "Enter a drug name, such as <i>aspirin</i>, 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."</p> <p>The words, "Drug recall and adverse reaction information directly from OpenFDA." are displayed below the instructions.</p>			
5.	View the BE Safe footer.	The footer reads, "This data is sourced from the <a href="#">OpenFDA API</a> and is not for clinical use. While the OpenFDA site makes every effort to ensure that data is accurate, you should	<b>Does not read "While the Open FDA site makes every effort to ensure that data is accurate, you should assume all results are unvalidated."</b>		F





	Execution Steps	Expected Results	Observed Results	Notes	P/F
		assume all results are unvalidated. Developed by <a href="#">Buchanan &amp; Edwards</a> for demonstration purposes only."			
6.	Click the GitHub link	The BE 18F GitHub website opens in a new tab ( <a href="https://github.com/buchanan-edwards/RFQ-4QTFHS150004">https://github.com/buchanan-edwards/RFQ-4QTFHS150004</a> )	<b>Opens a "404 This is not the web page you are looking for."</b>	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.	<b>Same as expected</b>		P
8.	Click the Contact link.	A new email message opens in a new tab with the To: and Subject: fields pre-populated.  <b>To:</b> gsabpa@buchanan-edwards.com <b>Subject:</b> RFQ-4QTFHS150004	<b>Opens up a dialogue box saying "Do you want to allow this website to open a program on your computer"</b> <ul style="list-style-type: none"><li>• <b>Program:</b> Google Chrome</li><li>• <b>Address:</b> <a href="mailto:gsabpa@buchanan-edwards.com?subject=RFQ-4QTFHS150004">mailto:gsabpa@buchanan-edwards.com?subject=RFQ-4QTFHS150004</a></li><li>• <b>Allow &amp; Cancel buttons</b></li><li>• <b>Clicked on "allow" and it opens up</b></li></ul>		P



	Execution Steps	Expected Results	Observed Results	Notes	P/F
			<b>Google Chrome to my homepage</b>		
9.	Click back to the tab open to the BE Safe website.	The BE Safe webpage appears as described in steps 1-5.	<b>Same as expected</b>		P
10.	Click the OpenFDA API link.	The OpenFDA API website opens in a new tab ( <a href="https://open.fda.gov/">https://open.fda.gov/</a> )	<b>Same as expected</b>		P
11.	Click back to the tab open to the BE Safe website.	The BE Safe webpage appears as described in steps 1-5.	<b>Same as expected</b>		P
12.	Click the Buchanan & Edwards link.	The Buchanan & Edwards website opens in a new tab ( <a href="http://buchanan-edwards.com/">http://buchanan-edwards.com/</a> ).	<b>Same as expected</b>		P
13.	Click back to the tab open to the BE Safe website.	The BE Safe webpage appears as described in steps 1-5.	<b>Same as expected</b>		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: <ul style="list-style-type: none"><li>• Drug Recalls</li><li>• All date ranges</li></ul>	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]."	<b>Same as expected</b>		P
15.	Click the BE Safe logo in the header.	The BE Safe webpage clears the search parameters and	<b>Same as expected</b>		P



	Execution Steps	Expected Results	Observed Results	Notes	P/F
		returns to the home page view.			
16.	Open a browser on a tablet and type in: "be-safe.azurewebsites.net"	<p>The browser opens to the BE Safe website.</p> <p>The site displays a header, sub-header, content and footer, as described in steps 1-15 with 2 notable differences:</p> <ul style="list-style-type: none"><li>3. The link to GitHub is only available from a horizontal view</li><li>4. The footer text is shortened, "This data is sourced from the <a href="#">OpenFDA API</a> and is not for clinical use. Developed by <a href="#">Buchanan &amp; Edwards</a> for demonstration purposes only."</li></ul>	<b>The link to GitHub is available from the VERTICAL view as well.</b>	<p>Tablet view defined as a 7"-9" notepad (533-800 pixels)</p> <p>Team in process of modifying footer text</p>	<b>F</b>
17.	Open a browser on a smartphone and type in: "be-safe.azurewebsites.net"	<p>The browser opens to the BE Safe website.</p> <p>The site displays a header, sub-header, content and footer, as described in steps 1-15 with 2 notable differences:</p>	<b>Same as expected</b>	<p>Smartphone view defined as a smart phone (≤ 414 pixels)</p> <p>End of test case.</p>	<b>P</b>

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		<p>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</p> <p>7. The Advanced Options for "Adverse Reactions" are located below "Adverse Reactions"</p> <p>8. The age group drop-down menu is located below the gender options</p> <p>9. The header is fixed and scrolling is enabled below</p> <p>10. The footer text is shortened to read, "This data is sourced from the <a href="#">OpenFDA API</a> and is not for clinical use. Developed by <a href="#">Buchanan &amp; Edwards</a> for demonstration purposes only."</p>			

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

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

**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

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 ( $\geq 1024$ pixels)	P





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

		<ul style="list-style-type: none"> <li>• At any time</li> <li>• Past 30 days</li> <li>• Past 12 months</li> </ul> <p>"All date ranges" is displayed as the default value.</p> <p>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.</p> <p>To the right of "Both" is a drop-down menu, "All age groups". The drop-down menu includes 8 time periods:</p> <ul style="list-style-type: none"> <li>• For any age group</li> <li>• Infants and toddlers 0 to 4</li> <li>• Children 5 to 12</li> <li>• Teens 13 to 17</li> <li>• Young adults 18 to 25</li> <li>• Adults 26 to 39</li> <li>• Mid-aged adults 40 to 55</li> <li>• Older adults 56 to 69</li> <li>• Adults 70 and older</li> </ul>			
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	Execution Steps	Expected Results	Observed Results	Notes	P/F
		<p>"All age groups" is displayed as the default value.</p> <p>An "Email Subscription" icon and link and a "Clear Form and Results" icon and link are displayed below the Advanced Options row.</p> <p>Instruction text is displayed below the search criteria filters, "Enter a drug name, such as <i>aspirin</i>, 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."</p> <p>The words, "Drug recall and adverse reaction information directly from OpenFDA." are displayed below the instructions.</p>			
5.	View the BE Safe footer.	The footer reads, "This data is sourced from the <a href="#">OpenFDA API</a> and is not for clinical use. While the OpenFDA site makes every effort to ensure that data is accurate, you should	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



	Execution Steps	Expected Results	Observed Results	Notes	P/F
		assume all results are unvalidated. Developed by <a href="#">Buchanan &amp; Edwards</a> 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)	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
8.	Click the Contact link.	A new email message opens in a new tab with the To: and Subject: fields pre-populated.  <b>To:</b> gsabpa@buchanan-edwards.com <b>Subject:</b> 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	yes		P



	Execution Steps	Expected Results	Observed Results	Notes	P/F
		(http://buchanan-edwards.com/).			
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: <ul style="list-style-type: none"><li>• Drug Recalls</li><li>• All date ranges</li></ul>	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
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: <ul style="list-style-type: none"><li>5. The link to GitHub is only available from a horizontal view</li><li>6. The footer text is shortened, "This data</li></ul>	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



	Execution Steps	Expected Results	Observed Results	Notes	P/F
		is sourced from the <a href="#">OpenFDA API</a> and is not for clinical use. Developed by <a href="#">Buchanan &amp; Edwards</a> for demonstration purposes only."			
17.	Open a browser on a smartphone and type in: <b>"be-safe.azurewebsites.net"</b>	<p>The browser opens to the BE Safe website.</p> <p>The site displays a header, sub-header, content and footer, as described in steps 1-15 with 2 notable differences:</p> <ul style="list-style-type: none"><li>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</li><li>12. The Advanced Options for "Adverse Reactions" are located below "Adverse Reactions"</li><li>13. The age group drop-down menu is located</li></ul>	n/a – did not test with phone	Smartphone view defined as a smart phone ( $\leq 414$ pixels)  End of test case.	N/A



	Execution Steps	Expected Results	Observed Results	Notes	P/F
		<p>below the gender options</p> <p>14. The header is fixed and scrolling is enabled below</p> <p>15. The footer text is shortened to read, "This data is sourced from the <a href="#">OpenFDA API</a> and is not for clinical use. Developed by <a href="#">Buchanan &amp; Edwards</a> for demonstration purposes only."</p>			

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

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

**Appendix B. Test case 001 – View BE Safe Website as of Sprint 6**

**Tester: 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 ( $\geq 1024$ 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 ( <a href="https://github.com/buchanan-edwards/RFQ-4QTFHS150004">https://github.com/buchanan-edwards/RFQ-4QTFHS150004</a> )	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.  <b>To:</b> gsabpa@buchanan-edwards.com <b>Subject:</b> RFQ-4QTFHS150004	OK		P



	Execution Steps	Expected Results	Observed Results	Notes	P/F
7.	Return to the tab open to the BE Safe website.	There are no changes to the BE Safe site.	OK		P
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	<p>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.</p> <p>Left and Right arrows are enabled on the carousel to toggle through images.</p> <p>A search bar and a search button with a search icon.</p> <p>"Drug name" is displayed in the search bar as gray sample text.</p>	OK		P

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		<p>Instruction text is below the search criteria 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.</p> <p>Below the search bar are 2 filters: "Drug Recalls" and "Adverse Reactions" using radio buttons. "Drug Recalls" is selected as the default view.</p> <p>To the right of "Adverse Reactions" is a drop-down menu, "All date ranges".</p>			
12.	View the options of the All date ranges drop-down menu	<p>The drop-down menu includes 6 time periods:</p> <ul style="list-style-type: none"> <li>• All date ranges</li> <li>• Past 30 days</li> <li>• Past 60 days</li> <li>• Past 90 days</li> <li>• Past twelve months</li> <li>• Past five years</li> </ul> <p>"All date ranges" is displayed as the default value.</p>	OK		P
13.	Click "Adverse Reactions"	The page displays an Advanced Options below the	OK		P



	Execution Steps	Expected Results	Observed Results	Notes	P/F
		filters. Radio buttons are displayed 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".			
14.	View the options of the All age groups drop-down menu	The drop-down menu includes 8 time periods: <ul style="list-style-type: none"><li>• All age groups</li><li>• Children 0 to 4</li><li>• Children 5 to 12</li><li>• Teens 13 to 17</li><li>• Adults 18 to 25</li><li>• Adults 26 to 39</li><li>• Adults 40 to 55</li><li>• Adults 56 to 69</li><li>• Adults 70+</li></ul> "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 <a href="#">OpenFDA API</a> and is not for clinical use."	OK		P



	Execution Steps	Expected Results	Observed Results	Notes	P/F
		While the OpenFDA site makes every effort to ensure that data is accurate, you should 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 ( <a href="https://open.fda.gov/">https://open.fda.gov/</a> )	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 ( <a href="http://buchanan-edwards.com/">http://buchanan-edwards.com/</a> ).	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: <b>"be-safe.azurewebsites.net"</b>	<p>The browser opens to the BE Safe website.</p> <p>The site displays a header, sub-header, content and footer, as described in steps 1-20 with the following notable differences:</p> <p>7. In a vertical view, a menu icon replaces</p>	OK	Tablet view defined as a 7"-9" notepad (533-800 pixels)	P



	Execution Steps	Expected Results	Observed Results	Notes	P/F
		<p>the Contact Us, GitHub and User Guide links in the Header. When clicked, the subheader moves down.</p> <p>In a horizontal view, the links are the same as the desktop view.</p> <p>8. In a vertical view, the footer text is, "Sourced from the <a href="#">OpenFDA API</a> and is not for clinical use. Developed by <a href="#">Buchanan &amp; Edwards</a> for demonstration only."</p> <p>In a horizontal view, the footer text is, "This data is sourced from the <a href="#">OpenFDA API</a> 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. BE Safe was developed by</p>			





	Execution Steps	Expected Results	Observed Results	Notes	P/F
		Buchanan & Edwards for demonstration purposes only."			
22.	Open a browser on a smartphone and type in: <b>"be-safe.azurewebsites.net"</b>	<p>The browser opens to the BE Safe website.</p> <p>The site displays a header, sub-header, content and footer, as described in steps 1-20 with the following notable differences:</p> <ul style="list-style-type: none"><li>16. There is no carousel of drug images</li><li>17. A menu icon replaces the Contact Us, GitHub and User Guide links in the Header. When clicked, the subheader moves down</li><li>18. The option fields, "Drug Recalls," "Adverse Reactions" and "date ranges" drop-down menu are aligned vertically</li><li>19. The Advanced Options for "Adverse Reactions" (Male, Female, Both, an Age Groups) are located</li></ul>	OK	<p>Smartphone view defined as a smart phone (<math>\leq 414</math> pixels)</p> <p>End of test case.</p>	P

	Execution Steps	Expected Results	Observed Results	Notes	P/F
		below "Adverse Reactions" 20. The footer text is, "Sourced from the <a href="#">OpenFDA API</a> and is not for clinical use. Developed by <a href="#">Buchanan &amp; Edwards</a> for demonstration only."			

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

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