System and Unit Test Report

Product name: Digital Butler
Team name: Digital Butler
Date: 12/3/17

System Testing

Sprint 1:
User Story 3:
- As a developer, I want to create a skeleton of the product, so that I have something tangible to present.

1) Start Digital_Butler app
2) User should be able to see the app

Sprint 2:
User story 1:
- As a developer, I will begin to develop the UI of the main part of the web application, so that the website becomes easier to use and understand.

1) Start Digital_Butler app
2) User should be able to see 5 components and 1 toolbar
3) User should be able to drag the toolbar around the browser screen
    -click and hold toolbar
    -drag mouse while holding toolbar
4) User should be able to minimize anyone of the 5 components
    -click "minimize" button
5) User should be able to close anyone of the 5 components
    -click "close" button

Sprint 3:
User story 1:
- As a developer, I want to develop pop-ups of the UI

1) Start Digital_Butler app
2) User should be able to see 5 components and 1 toolbar
3) Click on <a> link in "Wificare&Local Care" or "Device Care"
4) User should see a popup or modal appear on screen
    -Objects outside modal are untargetable
    -Objects outside popups are still targetable

5) User should be able to close the popup or modal
   -Click "close" button
   -User should see the popup or modal disappear

User Story 2:
- As a developer, I want to begin to visualize data with interactive graphics

1) Start Digital_Butler app
2) User should be able to see a bubble chart

Sprint 4:

User story 1:
- As a developer, I want to optimize the UI, so that the website becomes easier to use and understand.

1) Start Digital_Butler app; should be able to see Nav-bar and Login-page
2) Login to Digital_Butler
   (Successful login)
   -Username = <nico@holisticlabs.net> (success)
   -Click login button
   -User is routed to mainpage "/user"

   (Failed login)
   -Username = <"anything else">
   -Click login button
   -User fails to route to mainpage
   -User should see a popup message saying the user failed to login

3) User should be able to see Nav-bar and Mainpage with 5 components, 1 toolbar
4) 5 components can be closed or minimized
   (minimize boxes)
   -Minimize all top row components
   -All bottom row components move up to take empty space

   (close boxes)
   -Close all top row components
   -All bottom row components move up to take empty space
5) Clicking icons on the Toolbar should affect how the 5 components are seen
   (box is minimized)
   -Click on the correct icon matched to that component
   -Nothing happens

   (box is closed)

-Click on the correct icon matched to that component

-User should see the component reappear and possibly see it affect the position of other components

6) Clicking on the "Chart" component navigation bar changes content in the graph

-Click "Network-Devices"

-User should see a bubble chart

-Click "Internet Up/Down"

-User should see a heat map

User Story 2:

- As a developer, I want to finish or add more data visualization features or any other features that we can afford to create on the application.

1) Start Digital_Butler app; should be able to see Nav-bar and Login-page
2) Login to Digital_Butler successfully
3) User should be able to see Nav-bar and Mainpage with 5 components, 1 toolbar
4) Clicking on the "Chart" component navigation bar changes content in the graph

-Click navigation button "Network-Devices"

-User should see a bubble chart

-Click navigation button"Internet Up/Down"

-User should see a heat map

-Click any other navigation button

-User should see a empty space where graph should be

User Story 3:

- As a developer, I want to make data accessible via API
1) Start Digital_Butler app
2) Login to Digital Butler successfully
3) User should be able to see data displayed on the top 3 components that were retrieved from API.

Unit Testing Documentation

index:

Y = yes

N = no

P = no, but passable, comment why or how it is passable

Function/Features	Input	Output	Pass: Y/N/P	Test type/ Tester/ Comments:
Main Component Modules				
Navigation Bar:	(Nothing)	Should always exist in browser, whenever in Application (no matter the route)	Y	Manually Tested: Jeffrey
	"Logout" button (icon click)	opens login page	Y	
Login: Allow access to main page after authentication, allows retrying if failure to login	1) Correct Username 2) Click Login Button	1) Successful login, route to the main page 2) log in status "logged in"	Y	Manually Tested: Jeffrey, Juan, Brianna (See "Routing")
	1) Failed Username 2) Click Login Button	1) Wrong username 2) Fails to route and failure message	Y	
Internet Care: A	API Service	1) Update download, upload speed 2) Update IP Address, DNS Status	Y	Manually Tested: Avery (See "Main page App Box Component")
Wifi/Local Network Care: A component box	API Service	1) Update Neighborhood Wifi	Y	Manually Tested: Avery (See "Main page App Box Component" and "popups")
Device Care: A component box	API Service	1) Update number of guest, 2.4GHz, 5Ghz, and wired devices	Y	Manually Tested: Avery (See "Main page App Box Component" and "popups")
Charts: On initialization a chart on local wireless devices. There are other buttons to navigate to different types of charts.	(User Visual) computer clock	Reveals current time	Y	Manually Tested: Juan (See "Main page App Box Component")
	page initialization	Bubble chart is visible	Y	
	Click a button on the navbar	Chart changes based on what tab button is clicked	Y	

Toolbar: A draggable toolbar that reopens closed "main page app box components" or refreshes the page.	"Components" Button (icon click)	Opens/closes "Main Page App Box Components" that match the button being clicked	Y	Manually Tested: Nima/Brianna (See "Main page App Box Component")
	Mouse Hold+Drag	Allows Toolbar to be dragged around	Y	
	"Refresh" Button (icon click)	Refreshes the page, and stays on main page	Y	
Minor Component Modules				
Main page App Box Components: The basic body that holds information. Has a minimize and close button that manipulates what is visible for the component. Components also change size depending on browser size. Info inside components reshape to fit into new component size.	"Close" Button (icon click)	Clicking on close icon hides component	Y	Manually tested: Preston/Nima/Jeffrey/Avery/Juan/Brianna When the browser becomes too small it does not affect the charts in the "chart" component
	1) "Minimize" Button (icon click) 2) component status: visible, unminimized	Clicking on minimize icon partially hides the component leaving the bar on top holding the title and other icons	Y	
	1) "Minimize" Button (icon click) 2) component status: visible, minimized	Clicking on minimize icon reveals the full component	Y	
	Component status: top row components minimized	Bottom row components move up	Y	
	Component status: top row components closed	Bottom row components move up	Y	
	Browser status: small	1) Singular components become large to fit most of browser 2) info inside component becomes reshaped to fit current component	P	
	Browser status: medium	1) Most or all Components become fit to the browser 2) info inside component becomes reshaped to fit current component	Y	

	Browser status: large	1) Most or all Components become fit to the browser 2) info inside component becomes reshaped to fit current component	Y	
Popups: When certain links are activated, a popup should appear that contains links to another modal.	"Reveal" Button (icon click)	Clicking on icon reveals a popup box	Y	Manually Tested: Preston/Nima/Brianna Currently API not being utilized for popups, currently using placeholders
	"Close" Button (icon click)	Clicking on close icon hides popup	Y	
	1) API info: wireless devices 2) "Device Type" Button (icon click)	1) links to related charts 2) links to related wifi devices	N	
	1) API info: wireless devices 2) "Device Type" Button (icon click)	An icon of wifi device type (i.e. Cell Phone, Printer)	N	
Modals: When certain links are activated, a modal should appear that contains links to another modal.	"Reveal" Button (icon click)	Clicking on icon reveals a modal box	Y	Manually Tested: Preston/Nima/Brianna Currently Modals not being utilized for popups, currently has placeholders
	"Close" Button (icon click)	Clicking on close icon hides modal	Y	
	Click outside modal box	Nothing can be interacted with outside modal box	Y	
	1) API info: wireless devices 2) "Device Type" Button (icon click)	1) links to related charts 2) links to related wifi devices	N	
Routing and Authentication: The user should not be able to go to the main page until after	1) Not logged in 2) Route to /user	1) Opens a popup message 2) Click on button in the message to route back to Login page	Y	Manually Tested: Preston/

a successful login. If the user tries to directly go to main page by typing it in, the user is routed back to the login page. If the user types in an unspecified route, the user should reach a 404 error.	1) Logged in 2) Route to /user	Routes correctly to /user	Y	
	Route to any non-specified route (i.e. /a@kn#%s)	Routes to 404 error page	Y	