Behaviour Driven Development – School Donations Data Dashboard

Scenario 1- User navigated to page School Donations Data Dashboard and wishes to find out more information about the page.

1- Open home page
2- Navigate to about via nav bar on top of page

Expected Results

1- Each top nav link should redirect to appropriate page
2- The logo name should redirect to home page
3- Upon scrolling to the bottom of the site a button should be displayed on the right-hand side which when clicked allows the user to go back to the top of the page without scrolling. This icon is on every page of the dashboard.

Actual result: Performance was as expected.

Scenario 2 – The School Donations Data Dashboard will be responsive to all devices and can be displayed by users on a range of devices from iPhones, android mobile, laptops, iPads and tablets.

1- Open the dashboard on several devices
2- Navigate to each page of dashboard on Android mobile, then iPhone, iPad/tablet and laptop.

Expected Results

1- Headings and fonts of each page should change across devices
2- Photos on the carousel should be resized across devices
3- The nav menu should collapse into a toggle menu icon for smaller devices
4- On smaller devices (xs and sm: any device with a max-width of 991px) the following three graphs will be hidden – time-series chart, summary table, and primary focus subjects charts.
5- The tour button will also be hidden on smaller devices (xs and sm: any device with a max-width of 991px)

Explanation – the sizing changing across devices here means smaller sizing for smaller devices and larger sizing for larger devices for enhanced user experience.

Actual result: Performance was as expected.

Scenario 3 – User wishes to look at the images on the page (Carousel items on about page)

  1- Navigate to about page
  2- Click through carousel to display images or allow for automatic scrolling transition

Expected Results

  1- The carousel on about page should start on the first image of a close up of a young boy
  2- The carousel images should automatically transition from the right-hand side of the page and move left across screen when the mouse is not over the carousel
  3- The carousel images should transition smoothly with no 'jumping'
  4- The left and right cursors should be displayed and the user should be able to click through images on the carousel
  5- A total of three different images should be displayable
  6- Each image should be displayed one at a time
  7- Each image will have a caption below it and this will also transition with the image

Actual result: Performance was as expected.

Scenario 4 – User wishes to find out more about the DonorsChoose charity.

  1- A variety of links on about and donate page which redirects users to DonorsChoose
  2- User can easily see which links are clickable on about page for DonorsChoose
  3- User should easily see that the buttons are clickable on the donate page
  4- User can either click on links and buttons to see more about DonorsChoose

Expected Results

  1- Each link should be in purple and underlined to inform user that it is clickable
  2- Each link when clicked should open up a new tab to the DonorsChoose.org mainpage.
  3- Each button on the donate page is purple writing on a background
  4- Each button when clicked will open a new tab to a DonorsChoose page.
  5- When the "Click here to find a classroom to support" button is clicked a new tab should open and the DonorsChoose search page will be displayed
  6- When the "Click here to volunteer" button is clicked a new tab should open and the DonorsChoose volunteer page will be displayed

Actual result: Performance was as expected.

Scenario 5–The School Donations Data Dashboard will be responsive to across browsers.

1- Open the dashboard on several browsers
2- Navigate to each page of dashboard on Opera, Safari, Chrome, IE, Edge and Firefox.

Expected Results

1- The graphs should be displayable across browsers
2- The pages should be displayable across browsers and general functionality of the site should work the same across all browsers
3- The fonts should be the same across browsers

Actual result: Performance was as expected with the exception of Opera and Google Chrome browsers which have an issue as is highlighted in my README.md file.

Scenario 6 – The User wishes to interact with the graphs on School Donations Data Dashboard

1- User opens the dashboard webpage
2- User clicks on graph bars, charts, wedges and previous/next buttons to interact with graphs

Expected Results

1- The graphs should all change in relation to selection made on one graph, when any element is changed in one of the graphs, all other graphs will change as well.
2- All graphs should allow user interaction with the exception of the two metrics, US Donations Total and US Donations in $USD
3- When selected the bar or wedge of a graph will be coloured on deselection it is grey
4- On mouseover information is displayed on a particular wedge or bar of data.
5- The pie charts can have its wedges selected or deselected via the legends.
6- Upon selection of the Primary Focus Areas the linked Primary Focus Subjects will be highlighted with the relevant colour for example all Primary Focus Subjects which come under "Applied Learning" Focus Areas will be red (for example Character Education. Community Service, Early Development etc.)
7- The graphs will all reset upon clicking the reset all button.
8- Each graph will have a detailed explanation attached when the user uses the tour button.

Actual result: Performance was as expected.

Scenario 7 – The User wishes to use the School Donations Data Dashboard tour and reset buttons.

1- User opens the dashboard webpage
2- User clicks on graph bars, charts, wedges and previous/next buttons to interact with graphs
3- User clicks reset all
4- User clicks on tour button (use of next, previous and done buttons) to receive more information about the graphs

Expected Results

1- The graphs should reset to 20000 total donations upon reset, all graphs should return to initial view as if page is refreshed.
2- Upon clicking the tour button, a pop up should appear with an explanation of the graph selected, the first graph 'Donation State' where a drop-down selection could be made to view data on specific state
3- The next graph is 2 – Total Number Donations
4- Number 3 is Total Donations in USD
5- Number 4 is Poverty Level bar graph
6- Number 5 is Funding Status pie chart
7- Number 6 is Number of donations made and shows a time series
8- Number 7 is Resources Donated – bar chart
9- Number 8 is Teach for America – Pie chart
10- Number 9 is School Grade Levels
11- Number 10 is Primary Focus Areas
12- Number 11 is Primary Focus Subjects
13- Number 12 is Summary Data Table
14- There should be a total of 12 tooltips
15- The user should be able to click on next and previous to click through tooltips
16- The user could also click on specific tooltip by using the small circular dials on the pop-up box
17- On clicking the skip button, the user will close the tour
18- On clicking done the user will close the tour

Actual result: Performance was as expected.