Rubric for Belly Button:

	Mastery 35 to > 34 points	Approaching Mastery 33 to > 31 points	Progressing 31 to > 28 points	Emerging 27 to > 0 points	Incomplete
Deliverable 1: Create a Horizontal Bar Chart	✓ Arrays are created when a new sample is selected from the dropdown menu (10 pt) ✓ All THREE elements of the trace object are created, and the data is in descending order (10 pt) ✓ The layout array creates a title for the chart (5 pt) ✓ When the webpage loads, the bar chart has the following: (10 pt) - The top 10 sample values are sorted in descending order - The sample values are the values - The otu_ids are the labels	✓ Arrays are created when a new sample is selected from the dropdown menu (10 pt) ✓ ALL THREE elements of the trace object are created, and some of the data is in descending order (9 pt) ✓ The layout array creates a title for the chart (5 pt) ✓ The bar chart on the webpage has the following: (9 pt) - The top 10 sample values are shown but not in descending order - The sample values are the values - The otu_ids are the labels	✓ Arrays are created when a new sample is selected from the dropdown menu (10 pt) ✓ ALL THREE elements of the trace object are created, but the data is not in descending order (8 pt) ✓ The layout array creates a title for the chart (5 pt) ✓ The bar chart on the webpage has the following: (8 pt) - Sample values are shown but not in descending order - The sample values are the values - The otu_ids are the labels	✓ Arrays are created when a new sample is selected from the dropdown menu (10 pt) ✓ TWO of the THREE elements of the trace object are created (6 pt) ✓ The layout array creates a title for the chart (5 pt) ✓ The bar chart on the webpage has the following: (6 pt) - The top 10 sample values are not shown - The sample values are the values - The otu_ids are the labels	No submission was received -OR- Submission was empty or blank -OR- Submission contains evidence of academic dishonesty
	Mastery 30 to > 27 points	Approaching Mastery 27 to > 24 points	Progressing 23 to > 21 points	Emerging 20 to > 0 points	
Deliverable 2: Create a Bubble Chart	✓ All FIVE elements of the trace object are created, and data is properly displayed (10 pt) ✓ All THREE elements are created with the layout (10 pt) ✓ When the webpage loads, the bar and bubble chart initialize without error and update when a new sample is selected (10 pt)	✓ Code is written for FOUR of the FIVE elements of the trace object, and the data is displayed (8 pt) ✓ All THREE elements are created with the layout (10 pt) ✓ When the webpage loads the bar chart initializes without error and is updated (5 pt) ✓ When the webpage loads, there is a minor error when the bubble chart initializes or is updated (4 pt)	✓ Code is written for THREE of the FIVE elements for the bubble chart (7 pt) ✓ Code is written for TWO of THREE elements for the layout (8 pt) ✓ When the webpage loads the bar chart initializes without error and is updated (5 pt) ✓ When the webpage loads, there are a few errors when the bubble chart initializes or is updated (3 pt)	✓ Code is written for TWO of the FIVE elements for the bubble chart (6 pt) ✓ Code is written for ONE of THREE elements for the layout (6 pt) ✓ When the webpage loads, the bar chart initializes without error and is updated (5 pt) ✓ When the webpage loads, there are errors loading the bubble chart (3 pt)	
	Mastery	Approaching Mastery	Progressing	Emerging	

	20 to > 17 points	17 to > 14 points	14 to > 11 points	11 to > 0 points	
Deliverable 3: Create a Gauge Chart	The gauge chart on the dashboard has ALL of the following: (10 pt) - A title - Ranges in increments of 2, and each range is a different color - The washing frequency value is added to the chart - The indicator bar shows the level for the washing frequency ✓ When the webpage loads the bar, bubble, and gauge chart initialize without error and update when a new sample is selected (10 pt)	The gauge chart on the dashboard has ALL of the following: (8 pt) - A title - Ranges in increments of 2, and each range is a different color - The washing frequency value is added to the chart - The indicator bar shows the level for the washing frequency ✓ When the webpage loads, the bar and bubble charts initialize without error and are updated (5 pt) ✓ When the webpage loads, there is a minor error when the gauge chart initializes or is updated (4 pt)	The gauge chart has code written for THREE of the following: (6 pt) - A title - Ranges in increments of 2, and each range is a different color - The washing frequency value is added to the chart - The indicator bar shows the level for the washing frequency ✓ When the webpage loads, the bar and bubble charts initialize without error and are updated (5 pt) ✓ When the webpage loads, there are a few errors when the gauge chart initializes or is updated (3 pt)	The gauge chart has code written for TWO of the following: (4 pt) - A title - Ranges in increments of 2, and each range is a different color - The washing frequency value is added to the chart - The indicator bar shows the level for the washing frequency ✓ When the webpage loads, the bar and bubble charts initialize without error and are updated (5 pt) ✓ When the webpage loads, there are errors loading the gauge chart (2 pt)	
	Mastery **15 to > 14 points**	**Approaching Mastery** **13 to > 11 points**	**Progressing** **11 to > 9 points**	**Emerging** **9 to > 0 points**	
Deliverable 4: Customize the Dashboard	✓ The webpage has THREE customizations (10 pt) ✓ When the webpage loads, the bar and bubble chart initialize without error and update when a new sample is selected (5 pt)	✓ The webpage has THREE customizations (10 pt) ✓ When the webpage loads or is updated, there is a minor error when the bar or bubble charts initialize and are updated (3 pt)	✓ The webpage has TWO of THREE customizations (8 pt) ✓ When the webpage loads or is updated, there is an error when the bar or bubble charts initialize and are updated (3 pt)	✓ The webpage has ONE of THREE customizations (6 pt) ✓ When the webpage loads or is updated, there are errors when bar or bubble charts initialize and are updated (3 pt)	