Test ID: 3

Test name: Candlestick Chart

Description: Validate the extension is showing the correct data

Test status: Completed

Test case #	Scenario	Steps	Expected output	Actual output	Pass / Fail
3.1	The chart is drawn upon launch.	Click on the extension name on the side bar in the menu.	Lines are drawn on the graph.	As expected	Pass
3.2	Users can interact with the graph.	Place the cursor within the graph.	A vertical line across the x-axis and a circle is drawn on the lines	As expected	Pass
3.3	Stock details appear when the mouse hovers over the graph.	Place the cursor within the graph.	Stock details appear on the lower half of the screen.	As expected	Pass
3.4	Stock details change according to the mouse position on the graph.	Move the cursor along the x-axis in the graph.	Stock details update as the cursor moves.	As expected	Pass
3.5	Stock details cease displaying when the mouse is no longer interacting with the graph.	Move the cursor away from the graph.	Stock details disappear from the screen when not needed.	As expected	Pass
3.6	Bollinger band is correctly drawn on the graph.	Select the extension from the menu.	Above and below the main graph, blue and orange lines are drawn.	As expected	Pass
3.7	The Candlestick chart is accurately displayed on the graph.	Click on the extension name on the side bar in the menu.	When zoomed in, the red and green bars with the Bollinger band are displayed.	As expected	Pass
3.8	Slider zoom bar is on top of the graph and is able to zoom into the chart.	Drag the slider and the graph will correspond and zoom in .	During zooming, the Bollinger band and candlestick chart remain clear, and the Cursor function displaying data infographics continues to work.	As expected	Pass

3.9	Slider function should be able to zoom in and out successfully.	Drag the slider and zoom in, observing the chart .	Zooming to start/end dates causes the graph to adjust accordingly.	As expected	Pass
3.10	The zoomed-in graph is clear and free from discrepancies.	Drag the slider and zoom in, observing the chart.	Zooming hides excess graph data without overlapping onto the Y-axis.	As expected	Pass