

Test Case No	Positive/Negative	Test Case	Steps	Expected Result	Status (Pass/Fail)
TC_01	Positive	User specified a valid stock name	1. Open the program Interface 2. Enter the ticker name for which data need to be processed.	Visual representation of the user specified stock to be shown on the screen.	Pass
TC_02	Negative	User specified a wrong stock name	1. Open the program Interface 2. Enter a wrong ticker name for which data need to be processed.	Valid error message to be shown on the screen. And return back to previous menu.	Pass
TC_03	Positive	User specified a valid time range to visualize the data	1. Open the program Interface 2. Enter the time period for which data to be displayed.	Data to be displayed as per the date /time range specified by the user.	Pass
TC_04	Negative	User specified a wrong time range to visualize the data	1. Open the program Interface 2. Enter the time period which does not exist in the given time range for which we have the stock data available.	Valid error message to be shown on the screen indicating the correct time range to the user. And return back to previous menu.	Pass
TC_05	Negative	User specified incorrect date format to visualize the data.	1. Open the program Interface 2. Enter the incorrect date format i.e. mm-yyyy-dd or 'Jan 2011 5th'	Valid message to be shown on the screen to enter the correct date format. And return back to previous menu.	Pass
TC_06	Positive	Descriptive Statistics on the data to be shown	1. Open the program Interface 2. Enter the correct option for descriptive statistics.	All the descriptive statistics parameters are visible to the user as requested.	Pass
TC_07	Negative	Descriptive Statistics on the data to be shown	1. Open the program Interface 2. Enter the wrong option for descriptive statistics, out of the given options. i.e enter option 45	Valid error message to be thrown and ask the user to enter a correct option out of 21 given options.	Pass
TC_08	Positive	Predictive Analytics to be displayed as per the user input of modeling period and date of prediction for both linear and non - linear model.	1. Open the program Interface 2. Enter the option for predictive analytics. 3. Enter correct modeling period and date of prediction.	Predictive model report to be displayed on the screen along with the prediction, R squared and RMSE value.	Pass
TC_9	Negative	Predictive Analytics will not be displayed as per the user input of modeling period and date of prediction for both linear and non - linear model.	Range of data such a way so that there is a long gap between the training period and prediction period. Which means prediction period is not relevant with the training period.	Correct error message to be displayed on the screen describing the error to the user.	Pass