Test Case ID	Test Scenario	Test Case	Pre Condition	Test Steps	Test Data	Expected Result	Post condition
1.	Enter the data points for Class 1	Enter valid data points		1. Click on ‘Add Class 1’ button 2. Enter X-value and Y value for class 1	Data can be decimal or integer value	Data for Class 1 saved in the array	
2.	Enter the data points for Class 2	Enter valid data points		1. Click on ‘Add Class 2’ button 2. Enter X-value and Y value for class 2	Data can be decimal or integer value	Data for Class 2 saved in the array	
3.	After hitting the start button	Perceptron line drawn	Value of weights is non zero	1. Enter data points 2. Click on ‘Start’	2D array with 3 columns (x1, y1, Y) where Y is 0 or 1	Perceptron line drawn dividing the points of the 2 classes	
3.	After hitting the start button	Perceptron line not drawn	Value of weight[0] is 0	1. Enter data points 2. Click on ‘Start’	2D array with 3 columns (x1, y1, Y) where Y is 0 or 1	Perceptron line not drawn. Only one point is marked of the graph as the other point’s value is infinity because of the the x-value of point (-bias/weights[0])	

3.	After hitting the start button	Perceptron line not drawn	Value of weight[1] is 0	1. Enter data points 2. Click on ‘Start’	2D array with 3 columns (x1, y1, Y) where Y is 0 or 1	Perceptron line not drawn. Only one point is marked of the graph as the other point’s value is infinity because of the the y-value of point (-bias/weights[1])	
3.	After hitting the start button	Perceptron line not drawn	Value of data points of both classes is (0, 0)	1. Enter data points 2. Click on ‘Start’	2D array with 3 columns (x1, y1, Y) where Y is 0 or 1	Perceptron line not drawn.	
4.	Learning Parameter	Different perceptron lines for different Learning Parameter values		1. Select a value of learning parameter from the drop down list	Value stored with k value = 0.05	Perceptron line drawn after clicking on start button.	Valid data points for both the classes added