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. Enter X-value and Y value for class 1 2. Click on ‘Add Class 1’ button	Data can be decimal or integer value	Data point displayed on the graph	
2.	Enter the data points for Class 2	Enter valid data points		1. Enter X-value and Y value for class 2 2. Click on ‘Add Class 2’ button	Data can be decimal or integer value	Data point displayed on the graph	
3.	After clicking the ‘Calculate MLE’ button	Mean and Covariance are calculated and displayed	Distribution Function selected is ‘Gaussian/ Normal Distribution’	1. Click on ‘Calculate MLE’ button	2 arrays of data points from Class 1 and Class 2	Mean and Covariance displayed.	
3.	After clicking the ‘Calculate MLE’ button	Mean and Covariance are calculated and not displayed	Distribution Function selected is ‘Uniform Distribution’	1. Click on ‘Calculate MLE’ button	2 arrays of data points from Class 1 and Class 2		
3.	After clicking on the ‘Mark All’ button		MLE should have been calculated and mean	1. Click on ‘Mark All’ button	Covariance and mean values	Graph is shown	Click on the ‘Claculate MLE’ button again

			and variance value should be calculated for Gaussian distribution				
3.	After clicking on the ‘Mark All’ button		MLE should have been calculated for Uniform distribution	1. Click on ‘Mark All’ button	Covariance and mean values	Graph showing partition for 2 classes is shown	