| Test Case ID | Test Scenario | Test Case | Pre - Condition | Test Steps | Test Data | Expected Result |
|---|---|---|---|---|---|---|
| 1. | After hitting Load button | Shapes are drawn on graph | A dataset value should be chosen from the list | Choose a value from list and Click Load button | Value in the text fields is decimal or integer | Shapes appear on the graph with 2 colours of respective classes and also default values are displayed in text fields. |
| 2. | After hitting Mark button | Coloured Points appear on graph | A shape must be drawn on the graph | Load a shape on graph and Click anywhere on the graph | Click on the graph | Points appear with 2 colours on the graph where the click is done. |
| 3. | After hitting Mark All button | Graph divided into 2 coloured portions | | Choose a value by sliding the slider and Click on Mark All button | An integer value from the slider | Graph divided into 2 coloured portions where the ratio of both coloured portions is |

| | | | | | | taken from the slider value. |
|---|---|---|---|---|---|---|
| 4. | After hitting Clear button | Graph gets cleared with coloured points and coloured portion if present | | | | If any coloured points or coloured portion is present, it gets cleared. |
| 5. | After hitting Generate button | Shapes are drawn on graph | All the values must be entered in all the text fields | Enter all the values in respective text fields and Click Generate button | Data entered in text fields is integer or decimal value | By taking entered values shapes are displayed on the graph in 2 colours of both classes. |
| 6. | After hitting Generate button | Shapes are not drawn on graph | All the values must be entered in all the text fields | Enter all the values in respective text fields and Click Generate button | Data entered in text fields is not integer or decimal value | Since entered values are not integer or decimal so no shape is displayed |
| 7. | After hitting Resize | Only first quadrant of graph | | | | First quadrant |

| | Axis button | should be displayed | | | | of graph is displayed. |
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