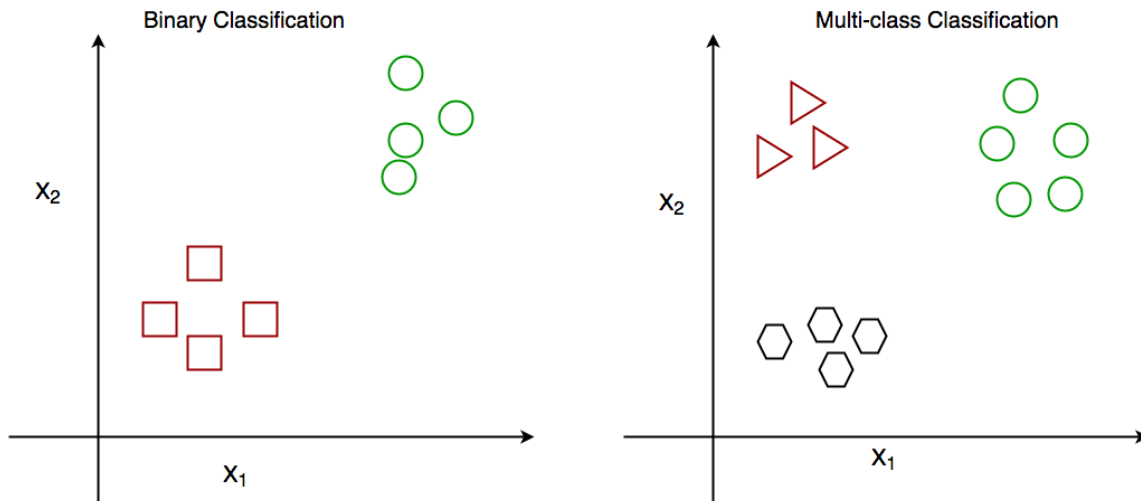


## Assignment #2

In this assignment you are required to implement an application which solve binary and multi-class classification problem. Classification refers to a machine learning problem in which the given set of data points fall into **two or multi categories (Up to Four)**.



Your program should:

- Have a GUI to allow the user to **enter the data points dynamically**
- Allow the user to enter the **learning rate, maximum number of iterations**.
- **Show the system performance**
- Your GUI should have a graph showing the **classification region** after training

### Bonus

Bonus credit will be given to the group in case your app support non-linear classification problems.

- Made the activation function dynamic

### Languages

You may use the programming language that you prefer.

### Marking scheme

Look and feel of interface	1-5	Algorithm implementation	1-3
Quality of design and coding	1-5	Demo	1-2