

Tic Tac Toe game was developed using MVC architecture. It has three main components which are Controller, Model and View and each of them have different responsibilities.

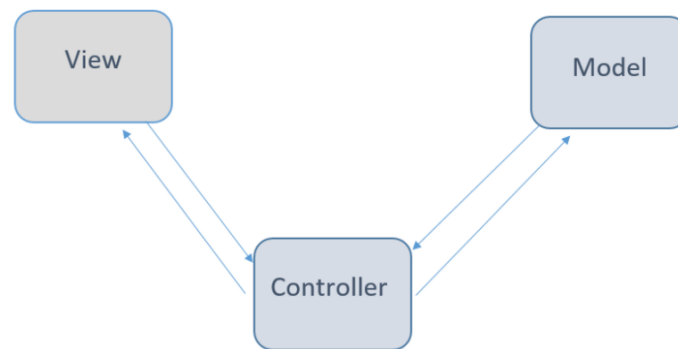


Figure 01: MVC Architecture

**Model** – Model is responsible for maintaining data. Handle data logically so it basically deals with data. It responds to the controller requests.

**View** – Data representation done through the view component. views are created by the data which is collected by the model component

**Controller** – Enables interconnection between view and the model. The controller doesn't have to worry about handling data logic, it just tells the model what to do. After receiving data from the model, it processes it and then it takes all that information it sends it to the view and explains how to represent to the user.

Our Program consists of 4 .java files which use to developed Tic Tac Toe using MVC architecture.

1. Main.java
2. Controller.java – Have Controller class
3. Model.java – Have Model class
4. View.java – Have view class

In those classes necessary methods were implemented. Those methods will help initialize GUI for user and let user to interact with the game through GUI. They will accept user inputs and according to those inputs the output will update.