

ASP.Net MVC



MVC Model

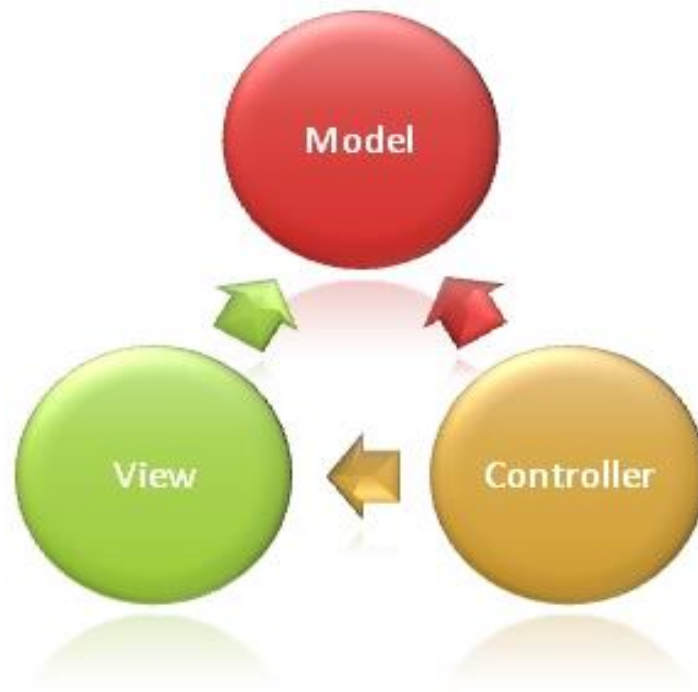
MVC Model defines the web application with 3 logic layers

The business layer (Model logic)

The display layer (View logic)

The input control (Controller logic)

MVC Model



Role of Model, View and Controller

- Model

- Handles the logic for application data
- Retrieves data from the database

- View

- Handles display of data . Views are created mostly from model data

- Controller

- Handles User interaction. Read from a View, Control user input and send input data to the model.

Separation Of Concerns

The process of breaking a computer program into distinct features that overlap in functionality as little as possible

Separation Of Concerns

- Views are presentation form of applications and needs to have no knowledge of the actions coming from Controllers
- The Models are business entities
- The sole purpose of the Controller is to handle request and it can be independent of the Views and Models

MVC When to Use

- High level of control over generated HTML
- Separation of Concerns
- Highly Testable code base
- Suitable for applications done by a large team of developers

MVC Benefits

- Easier to manage
- No View State and suitable for applications with many forms
- Suitable for Test driven developments

Open Source Release

- Since May 2012 ASP.Net MVC is a open source project and you can contribute back to the repository

Convention Over Configuration

- The three directories that make the application work
 - Model
 - View
 - Controller
- Are there by default(convention)

Convention Over Configuration

- The Controllers is appended to the name of the Controller
- The Views that are tied to Controllers reside in a directory under Views with the Controller name