

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light mint green. They are positioned diagonally, with the blue one partially covering the green one.

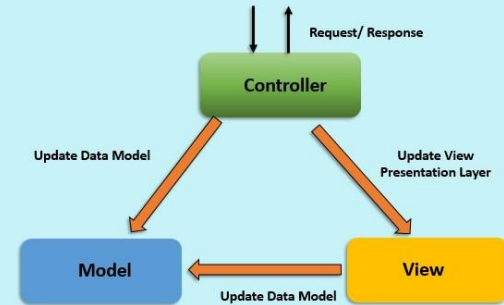
MVC Lecture

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What is a MVC?

A **MVC** stands for **Model-View-Controller**, this changes the sophisticated app development into a more simple process.

What is MVC Design Pattern



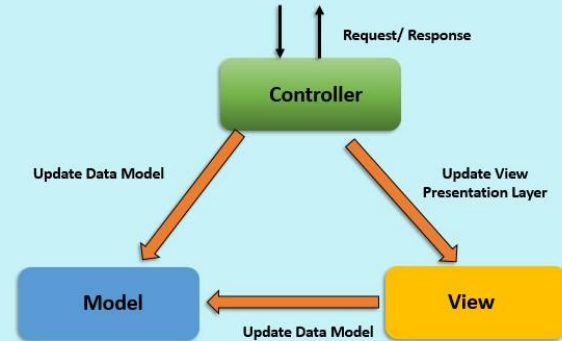
The basic structure of a MVC

Model: stores data and does not interact with the user (MongoDB, Mongoose MySQL, Oracle)

View: the user can view it and interact with it (EJS, Handlebars, Pug)

Controller: controls the flow of information and interacts with the model and view (JavaScript)

What is MVC Design Pattern





Why use a MVC?

Separation of Concerns: helps to separate back-end and front-end code into more simple code. This makes the code more manageable and helps to make sure the code is more difficult to interfere with. It helps make communication between individuals easier and helps the developmental flow.



Views (details)

- Helps create the UI and what the user sees and what appears on their screens
- It contains all the functions that the user can interact directly with on their screen



Model (details)

- Helps to organize the data into a manageable format and contains all your logic
- It organizes and manages the data into model; this is called a “schema”



Controller (details)

- Interacts with the model and view; grabs data from the model and places it in the views
- Can change and modify the data from the user; when changes occur via updates i the views, it changes the data via a setter function