

MVC: Model View Controller

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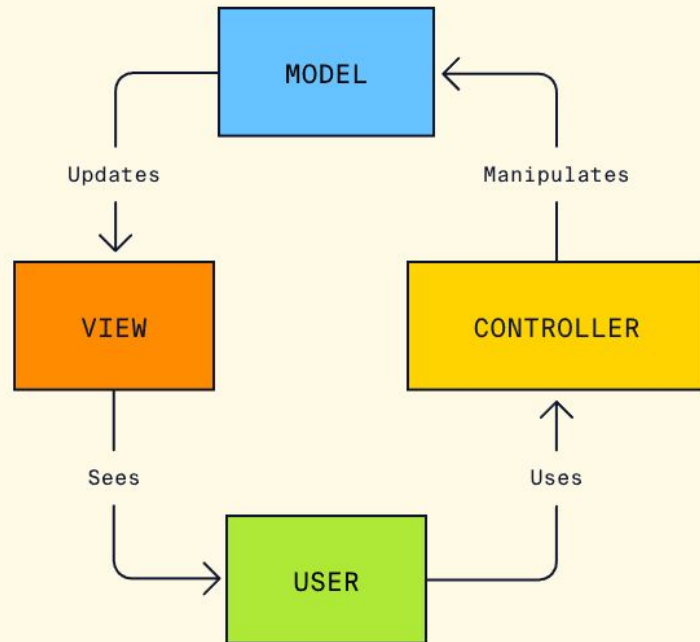
Introduction

What is it?

- Model View Controller, a software architectural pattern.
- Used for developing UI that divides program logic into **3 interconnected elements**.

Why is it useful?

- Organizing code: database (M), client-side view (V), and server-side code (C).
- Makes code modular and streamlines workflow on a team.



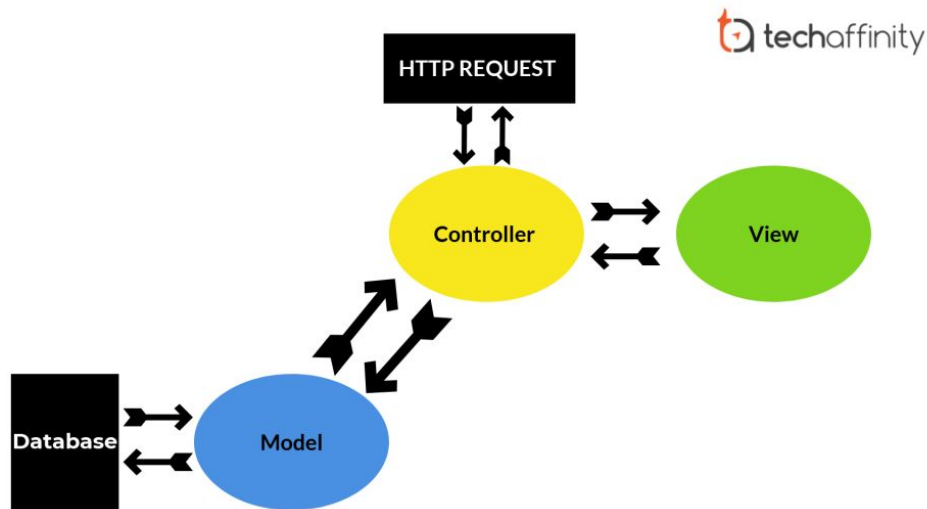
Model

Code that defines what app should contain.

- Can hold raw data.
- Define essential components of an app.

Model only talks to the **controller**, never the view directly.

- Can connect to the database, like MongoDB.

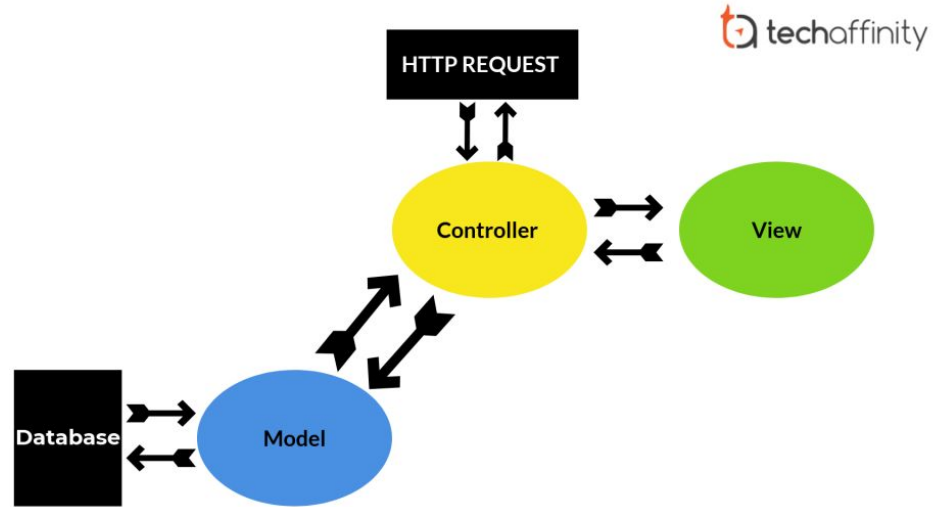


View

Code that defines what the **user** interacts with

- Public CSS/JS.
- Data.
- Site aesthetics and interactions.

Views listens to the **controller**.



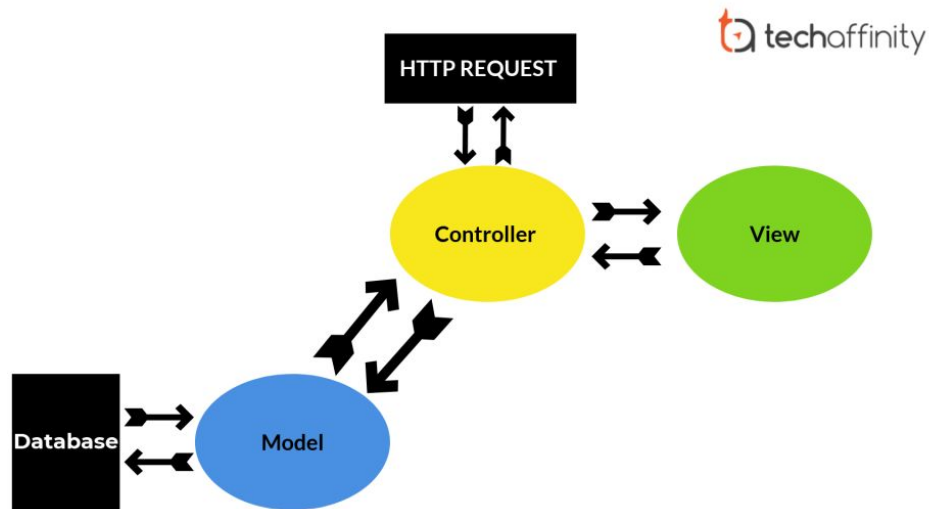
Controller

Code that updates the model and/or view in response to input from the users of the app.

- Liaison between model and view.

Model talks to both the **controller** and **views**.

- 'Server' code.



References

- <https://www.codecademy.com/article/mvc>
- <https://developer.mozilla.org/en-US/docs/Glossary/MVC>

