What is
MVC

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The core concept of MVC is to separate the business logic, user interface and data modelling from each other.

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Model
View
Controller

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Model

A model extracts data from a database like cloud, local storage, API's. Sometimes it consist of some business logic.

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View

View represents the user interface of the app, It shows the modelled data and taking inputs from the user.

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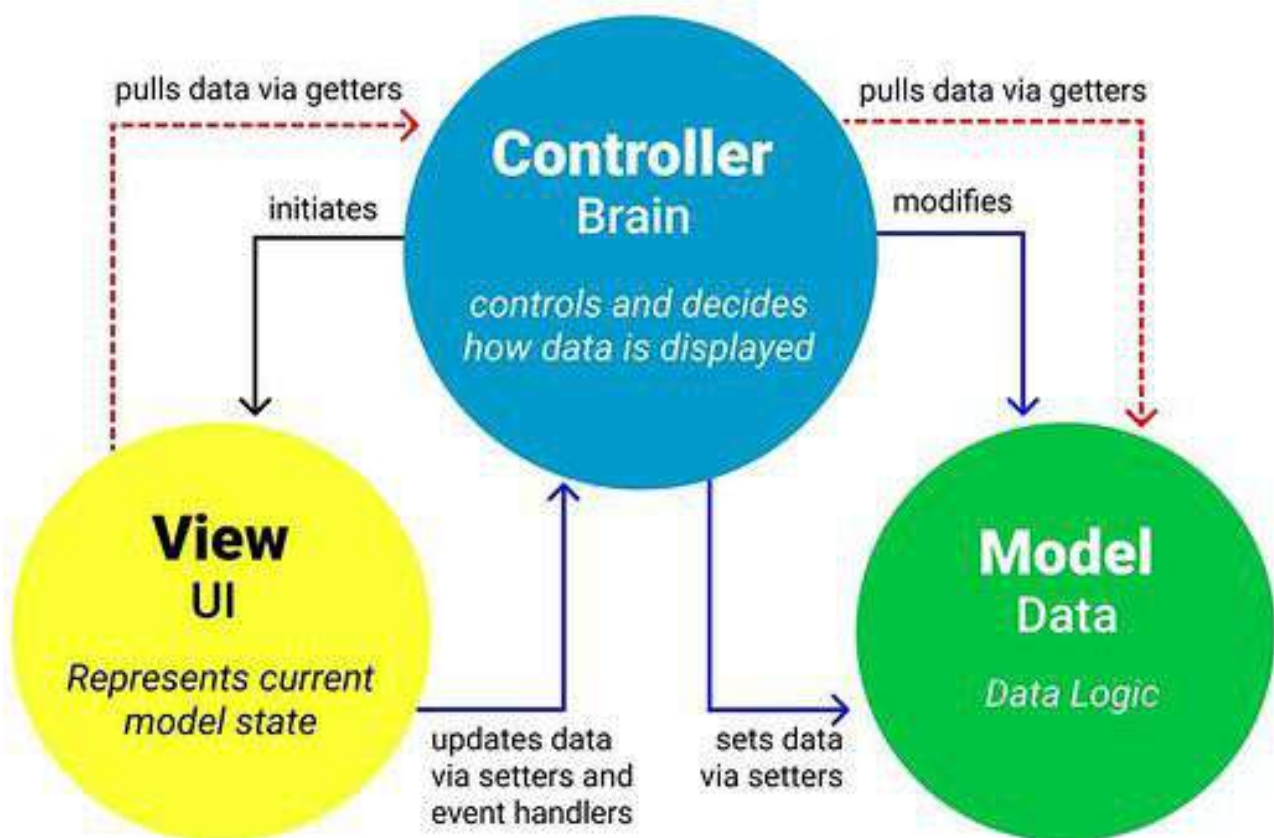# Controller

The controller mostly consist of some business logics, that is what data will be displayed to user, also handling user input.

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MVC Architecture Pattern

pulls data via getters

pulls data via getters

Controller
Brain

*controls and decides
how data is displayed*

initiates

modifies

View
UI

*Represents current
model state*

Model
Data

Data Logic

updates data
via setters and
event handlers

sets data
via setters

Flow of System

Separating the three of these fundamental parts of tasks assists the engineer with composing a perfect code which makes the code reusable.

It becomes very easy to work on the project as it does not affect other parts of the project if something is changed in one part.

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User interacts with view in which data is displayed, and provide the input with controller through view.

Controller is like brain it manipulates the data from the user or takes the data from the model to work on it and provides it to the view which shows the desired data to user.

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