What is MVC?

And how can you benefit?

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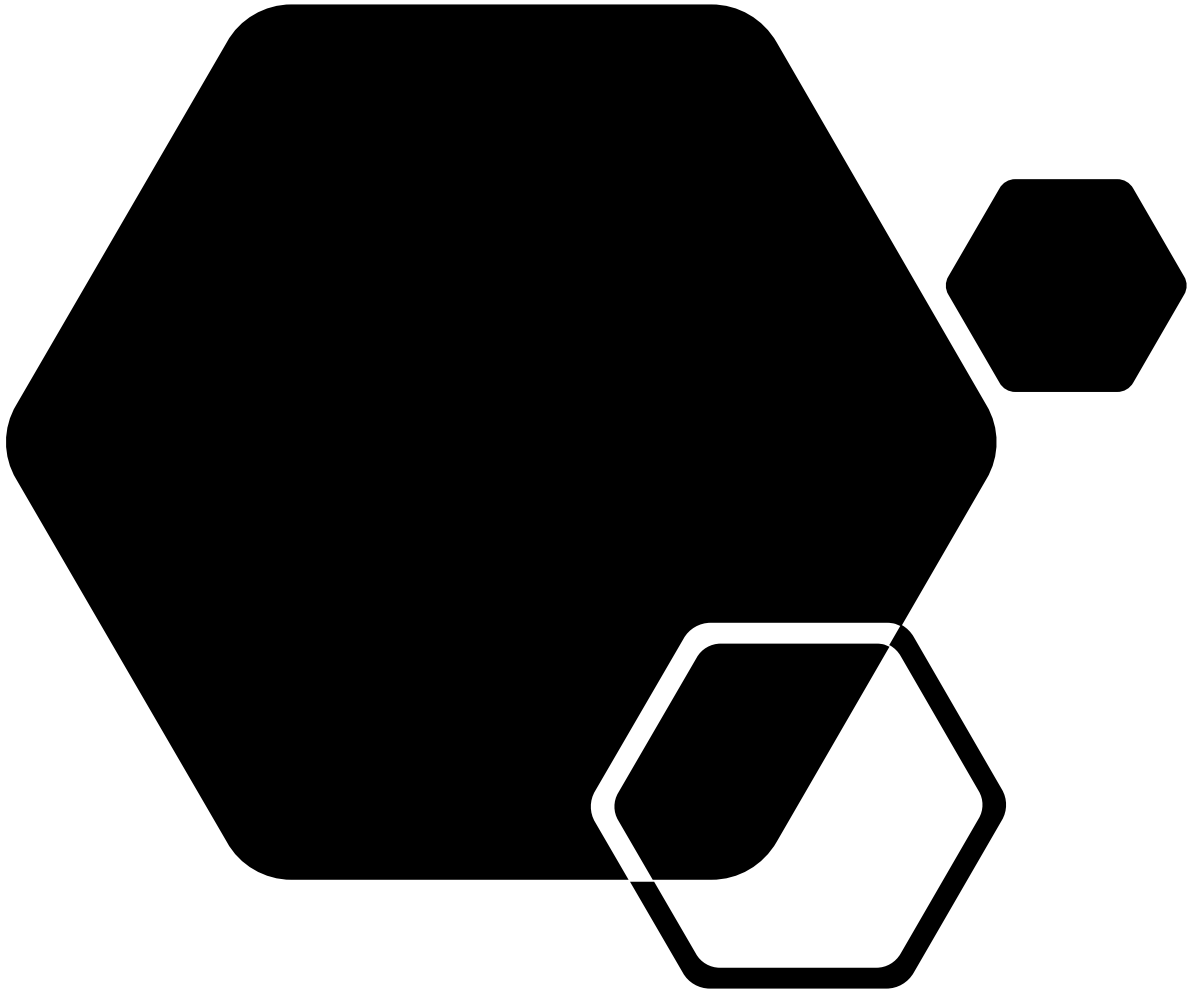
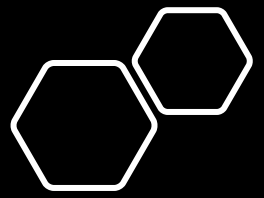
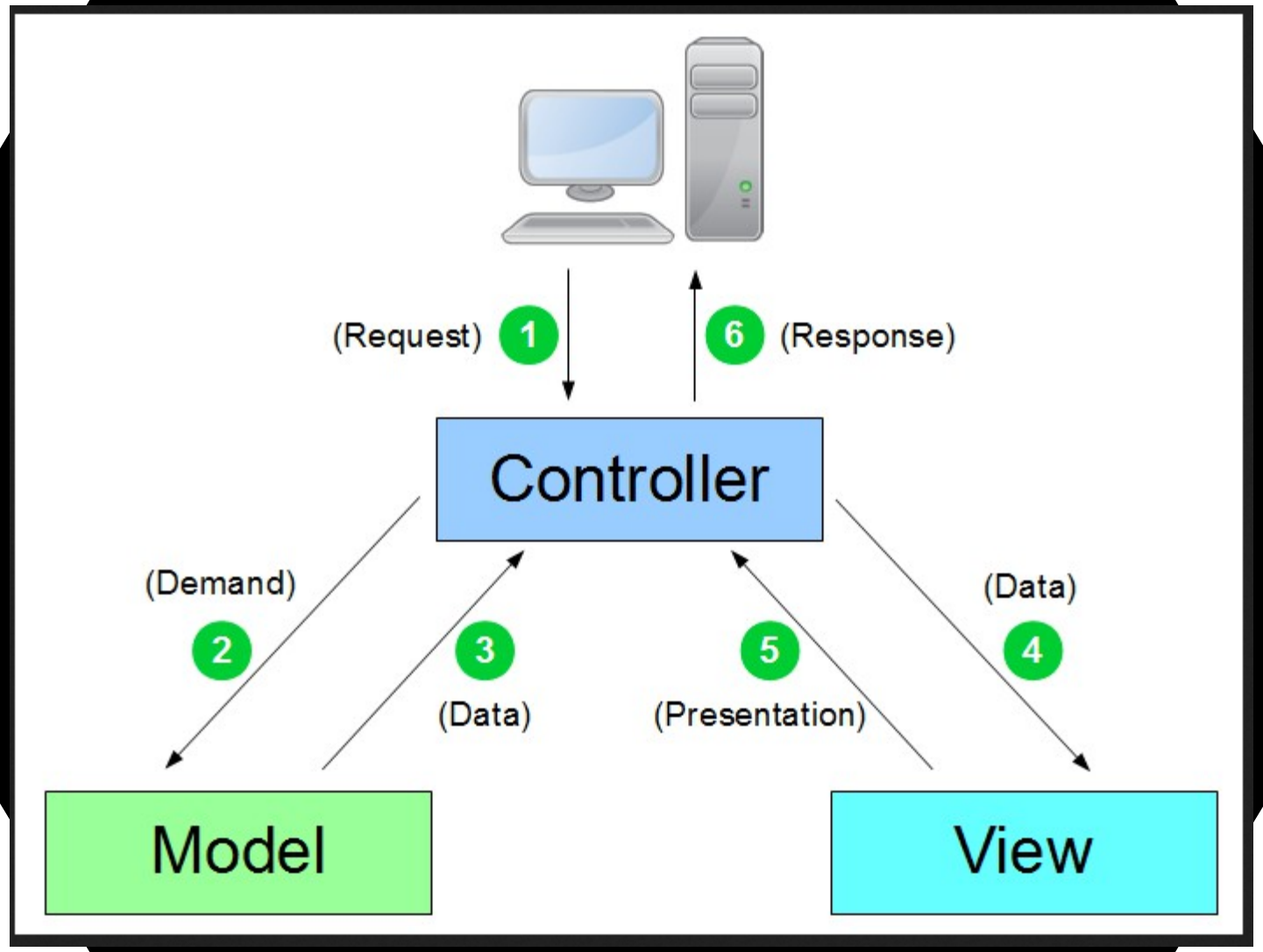


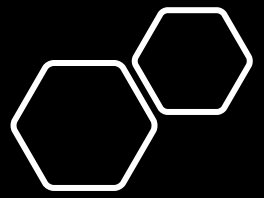


MVC: Model-View-Controller

- It’s an architectural pattern in software design commonly used to implement user interfaces, data, and controlling logic
- It emphasizes a separation of concerns between software logic and display
- It embodies and divides the app into three parts – Model, View, and Controller

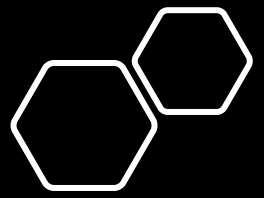


1. User clicks “add to cart”
2. Sends message to add to database
3. Responds with data added
4. Sends message to show add
5. Responds with add showing
6. Shows “Added to Cart”



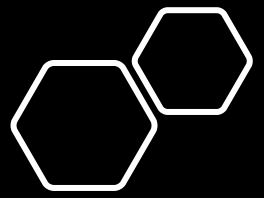
Model

- Manages data and business logic
- Connected to the database and anything you do with data
- e.g. updates database and therefore updates application to reflect added item



View

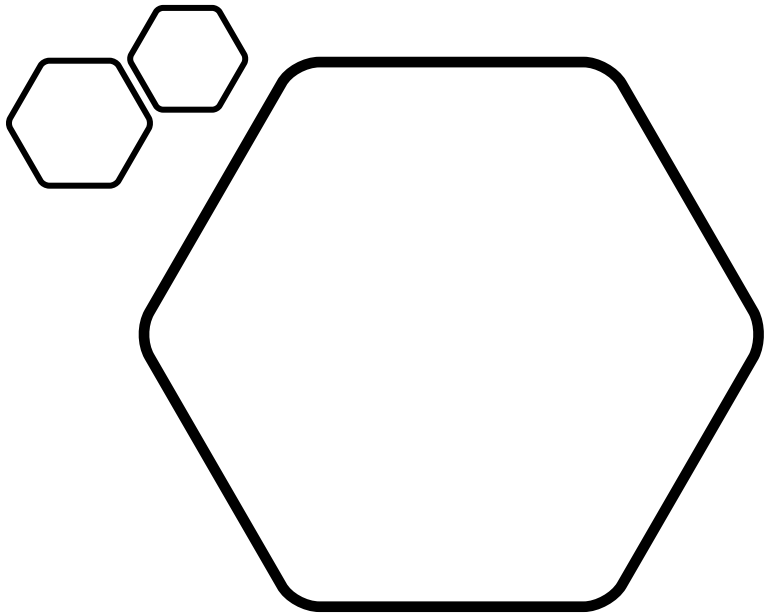
- Handles layout and display
- Represents the data visually – generates user interface
- e.g. user clicks “add to cart” and eventually sees “added to cart”



Controller

- Routes commands to the model and the view parts
- Receives data from the model, processes it, and sends it to the view
- e.g. receives “add to cart” message from view and notifies model to “add item” and update database

MVC Benefits



- It doesn’t allow us to repeat ourselves and it helps create a solid structure of our web application
- Allows us to test, maintain/change and deploy different components independently