



THE COMPLETE JAVASCRIPT COURSE

FROM ZERO TO EXPERT!



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SECTION

FORKIFY APP: BUILDING A MODERN
APPLICATION

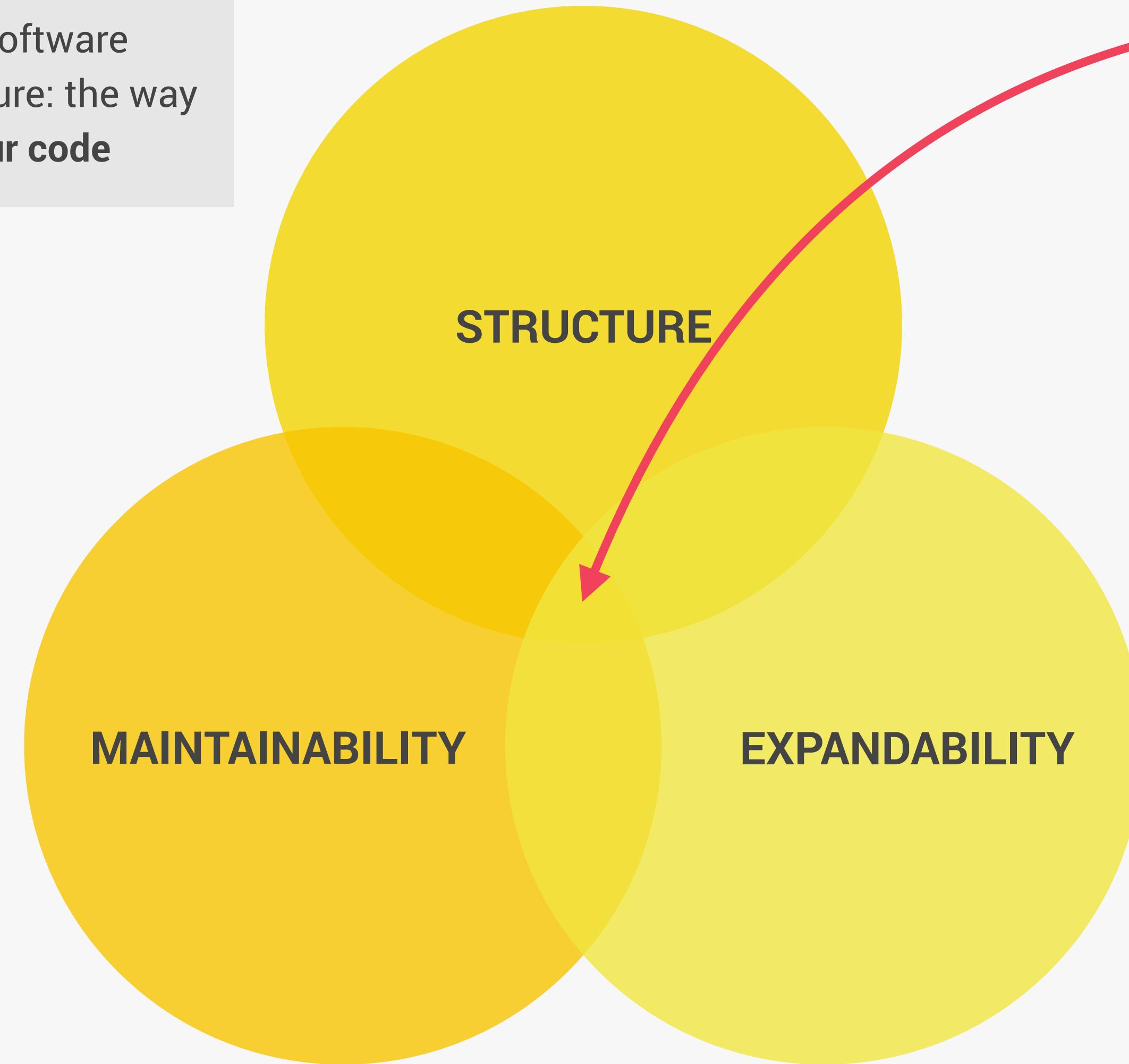
LECTURE

THE MVC ARCHITECTURE

JS

WHY WORRY ABOUT ARCHITECTURE?

👉 Like a house, software needs a structure: the way we **organize our code**



The perfect architecture

- 👉 We can create our own architecture (**Marty project**)
- 👉 We can use a well-established architecture pattern like MVC, MVP, Flux, etc. (**this project**)
- 👉 We can use a framework like React, Angular, Vue, Svelte, etc.



👉 A project is never done! We need to be able to easily **change it in the future**

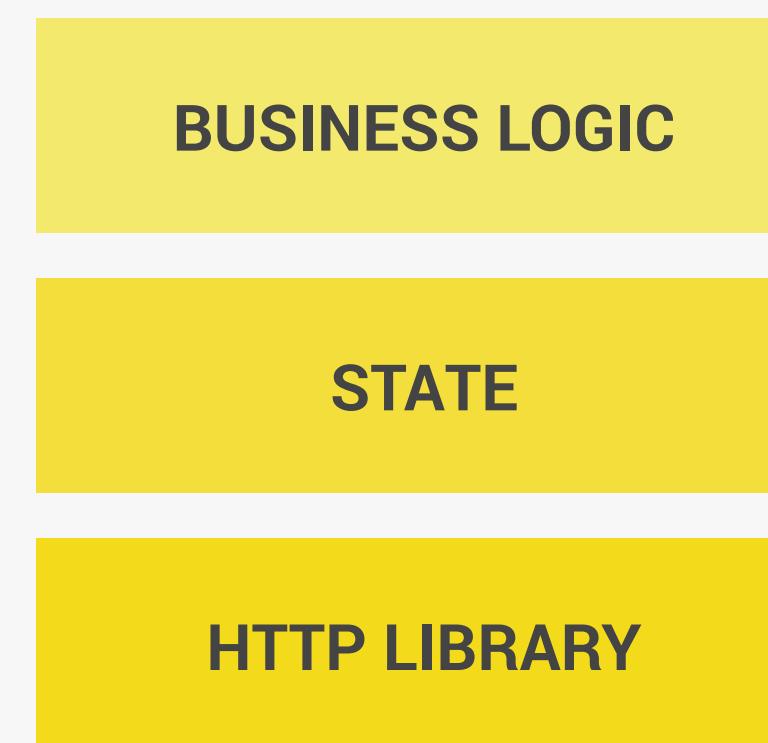
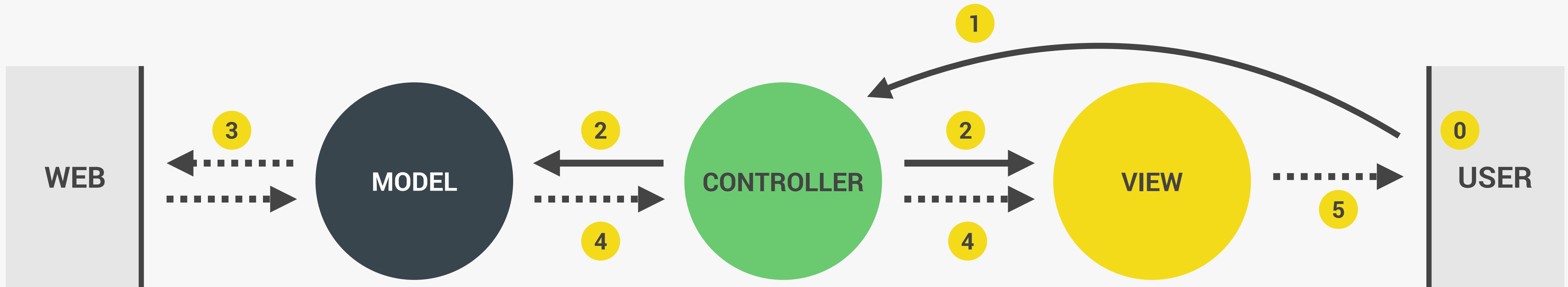
👉 We also need to be able to easily **add new features**

COMPONENTS OF ANY ARCHITECTURE

BUSINESS LOGIC	STATE	HTTP LIBRARY	APPLICATION LOGIC (ROUTER)	PRESENTATION LOGIC (UI LAYER)
<ul style="list-style-type: none">👉 Code that solves the actual business problem;👉 Directly related to what business does and what it needs;👉 Example: sending messages, storing transactions, calculating taxes, ...	<ul style="list-style-type: none">👉 Essentially stores all the data about the application👉 Should be the “single source of truth”👉 UI should be kept in sync with the state👉 State libraries exist  	<ul style="list-style-type: none">👉 Responsible for making and receiving AJAX requests👉 Optional but almost always necessary in real-world apps	<ul style="list-style-type: none">👉 Code that is only concerned about the implementation of application itself;👉 Handles navigation and UI events	<ul style="list-style-type: none">👉 Code that is concerned about the visible part of the application👉 Essentially displays application state

Keeping in sync

THE MODEL-VIEW-CONTROLLER (MVC) ARCHITECTURE

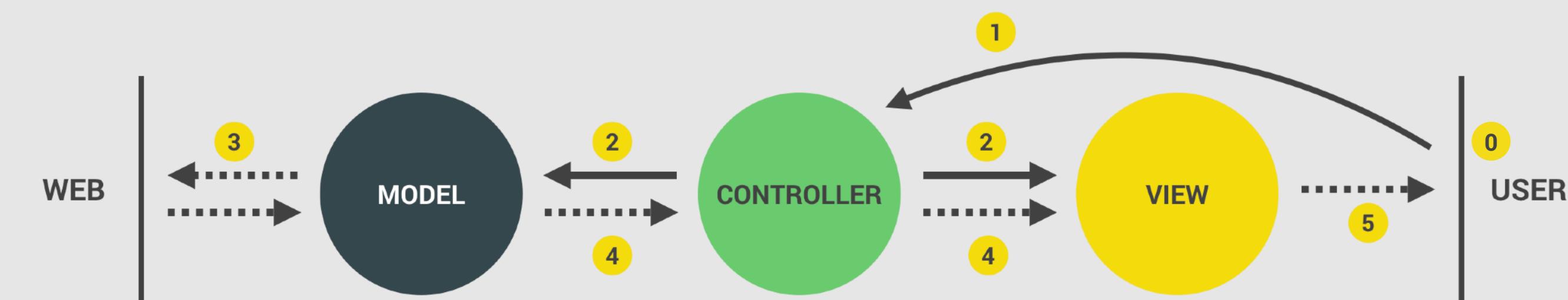
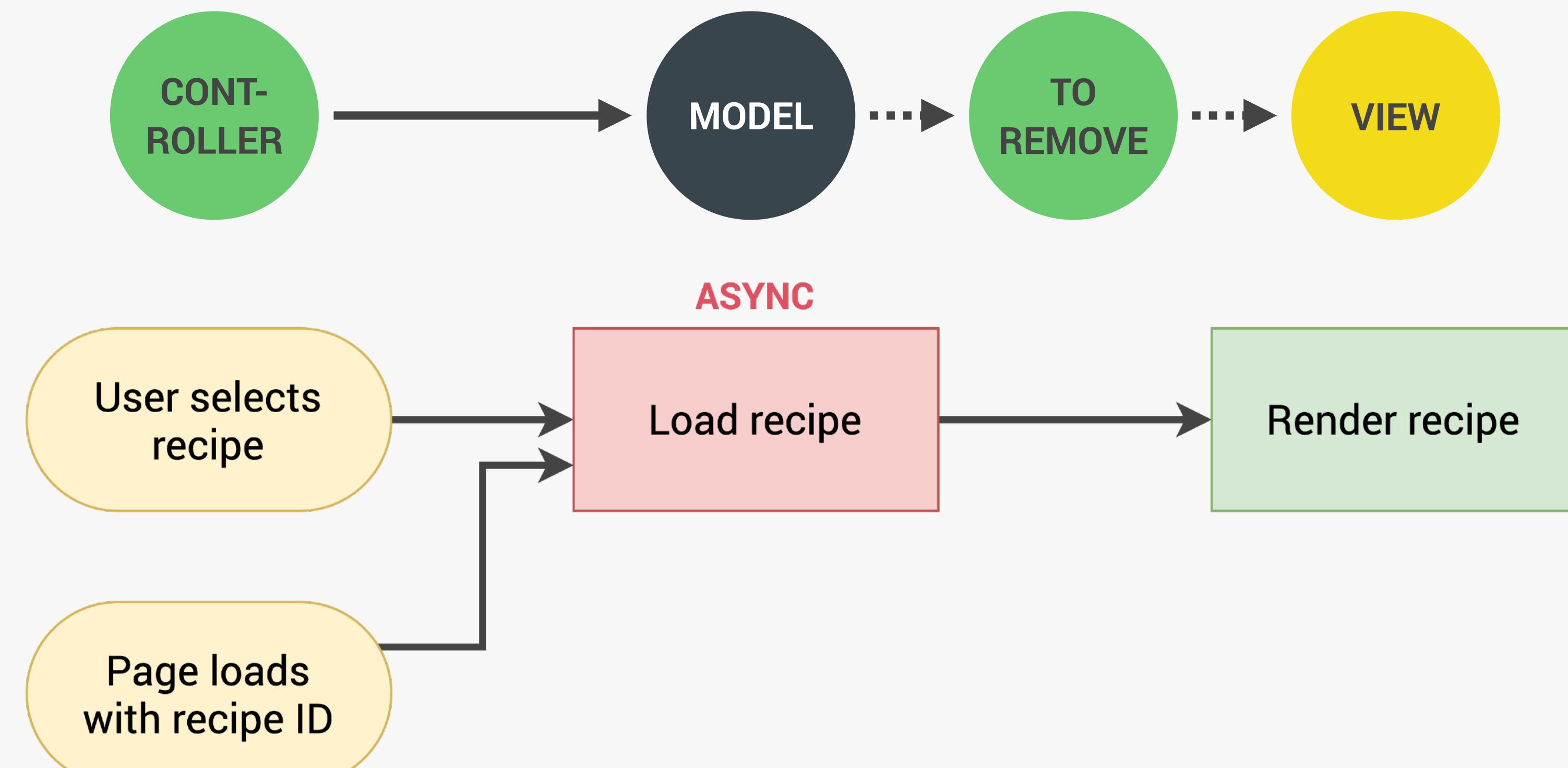


- 👉 Bridge between model and views (which don't know about one another)
- 👉 Handles UI events and **dispatches tasks to model and view**

PRESENTATION LOGIC

- Connected by function call and import
- Data flow

MODEL, VIEW AND CONTROLLER IN FORKIFY (RECIPE DISPLAY ONLY)



MVC IMPLEMENTATION (RECIPE DISPLAY ONLY)

