Charles Severance www.dj4e.com

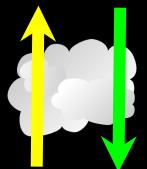
Model View Controller (MVC)



Web Server 80

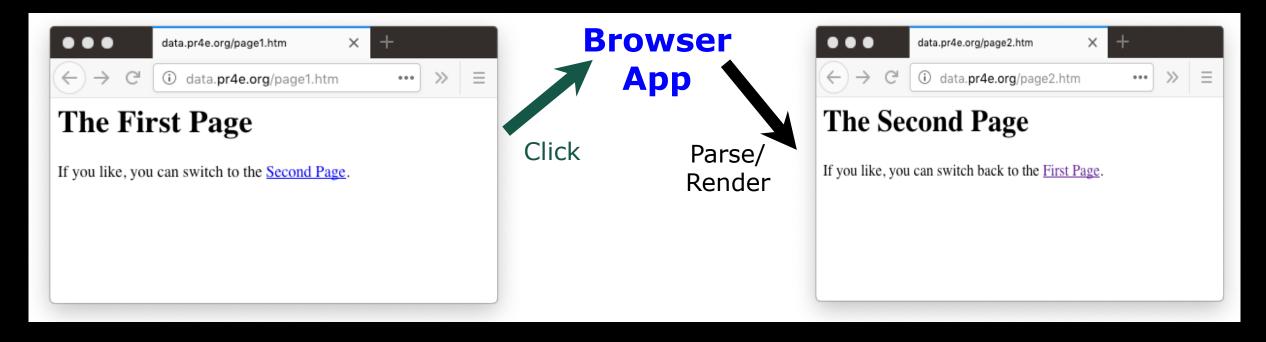
Request

GET http://data.pr4e.org/page2.htm



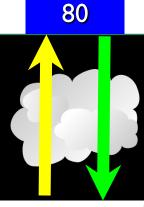
Response

<h1>The Second Page</h1>
If you like, you can switch back to the First Page.



Web Server

55555



Request

The First Page

If you like, you can switch to the Second Page.

Browser App



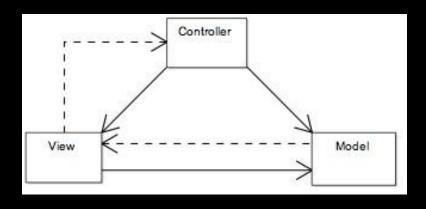
Response

<hI>The Second Page</hI>If you like, you can switch back to the First Page.

GET http://data.pr4e.org/page2.htm

Model-View-Controller

"In MVC, the model represents the information (the data) of the application and the business rules used to manipulate the data; the view corresponds to elements of the user interface such as text, checkbox items, and so forth; and the controller manages details involving the communication to the model of user actions."

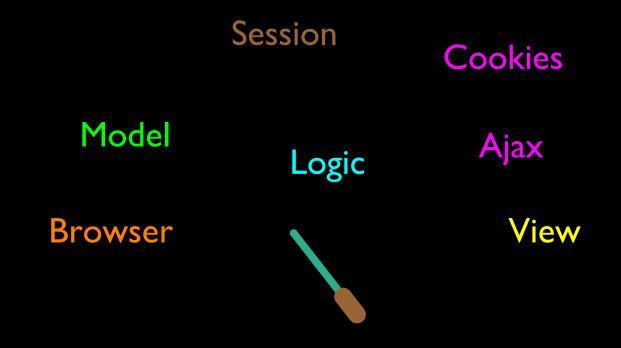


http://en.wikipedia.org/wiki/Model-View-Controller

Model View Controller

- We name the three basic functions of an application as follows
 - Controller The code that does the thinking and decision making
 - View The HTML, CSS, etc. which makes up the look and feel of the application
 - Model The persistent data that we keep in the data store

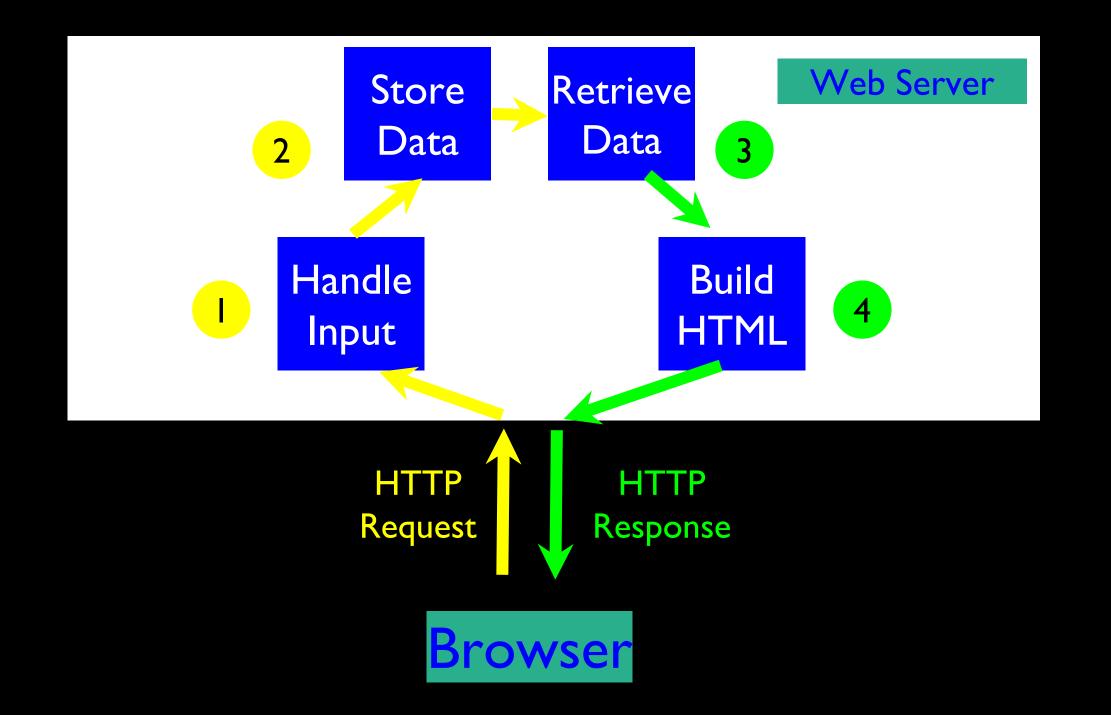
Controller "Orchestrates"

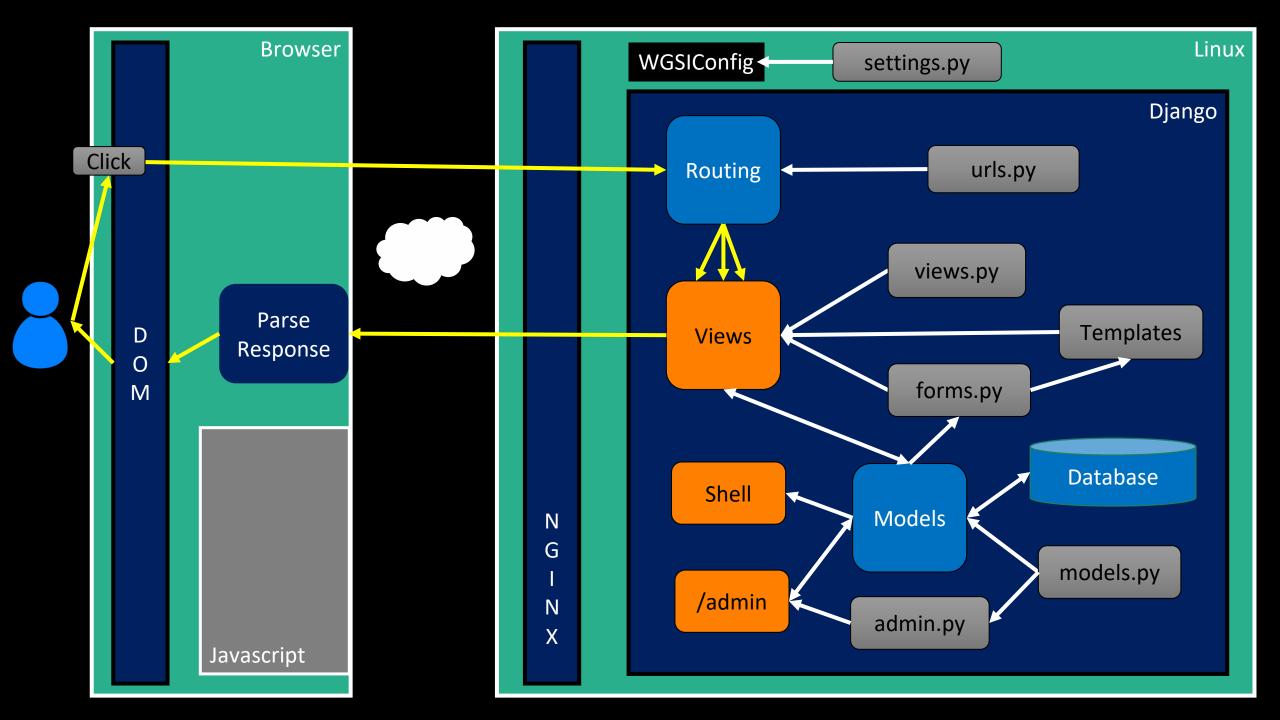


The controller is the conductor of all of the other aspects of MVC.

Tasks Inside the Server

- Process any user input data (i.e. from a form) possibly storing it in a database or making some other
 change to the database such as a delete
- Decide which screen to send back to the user
- Retrieve any needed data
- Produce the HTML response and send it back to the browser (i.e. a template)





Summary

- We call the Data bit the "Model" or Data Model
- We call the "making the next HTML" bit the "View" or "Presentation Layer"
- We call the handling of input and the general orchestration of it all the "Controller"

Acknowledgements / Contributions

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