More on Web Development Basics

Patrick Turley & 'Wole Solana

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Why use a web framework?

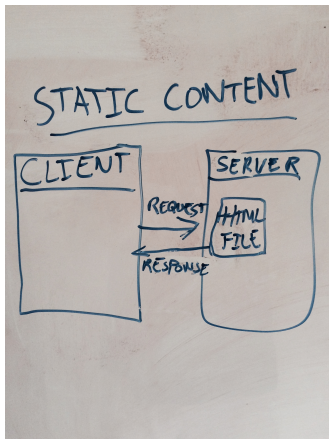# Why use a web framework?
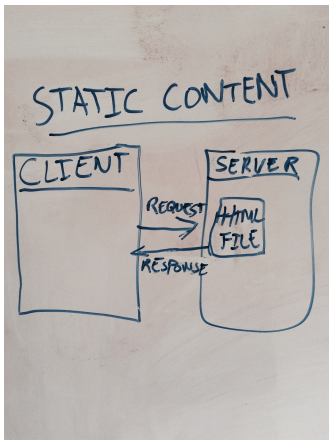

Figure : Static Content

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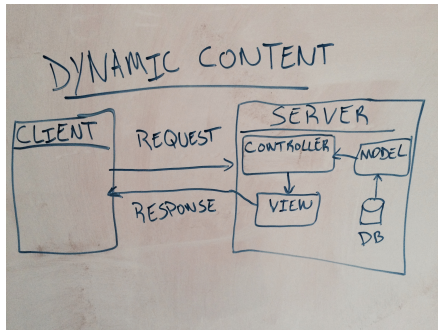
Figure : Dynamic Content

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MVC in Django

MVC in Django

In Django **MVC** $==$ **MVT**

General	Django
Model	Model
Controller	View
View	Template

Table : MVC mapping in Django.

HTTP Verbs

HTTP Verbs

- GET

HTTP Verbs

- GET
- POST

HTTP Verbs

- GET
- POST
- PUT

HTTP Verbs

- GET
- POST
- PUT
- DELETE

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Our app should be RESTful

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REpresentational State Transfer

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- a software architecture style consisting of guidelines and best practices for creating scalable web services (Wikipedia)

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Action	URL	Verb	What this does
Index	/books	GET	show me all the books in the database
Show	/books/1	GET	show me a *particular* book in the database
New	/books/new	GET	start creating a new book
Create	/books	POST	add a new book to the database
Edit	/books/1/edit	GET	start making changes *particular* book
Update	/books/1	PUT	save changes to a *particular* book in the database
Destroy	/books/1	DELETE	delete a book from the database

Table : Mapping REST actions to URLS and verbs.

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Making our library RESTful

Making our library RESTful

Action	URL	Verb	Django URL
Index	/books	GET	/books
Show	/books/1	GET	/books/1
New	/books/new	GET	/books/new
Create	/books	POST	/books/create
Edit	/books/1/edit	GET	/books/1/edit
Update	/books/1	PUT	/books/1/update
Destroy	/books/1	DELETE	/books/1/destroy

Table : Mapping REST actions to URLS and verbs.

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Let's take a look at our app

Refer to our repo for the code

Let's add some content

Refer to our repo for the code added during the class