

BEWD 13

MVC - CONTROLLER

TOPICS

- **MVC FRAMEWORK**
- **CONTROLLER 101 - CRUD**
- **MUSIC APP CODE ALONG**

ANATOMY OF RAILS

MODEL | VIEW | CONTROLLER

yourapp.com/hello

ROUTE

Traffic Controller

HTTP traffic control

Chief Conductor

CONTROLLER

Lean Director

Chief of Logic

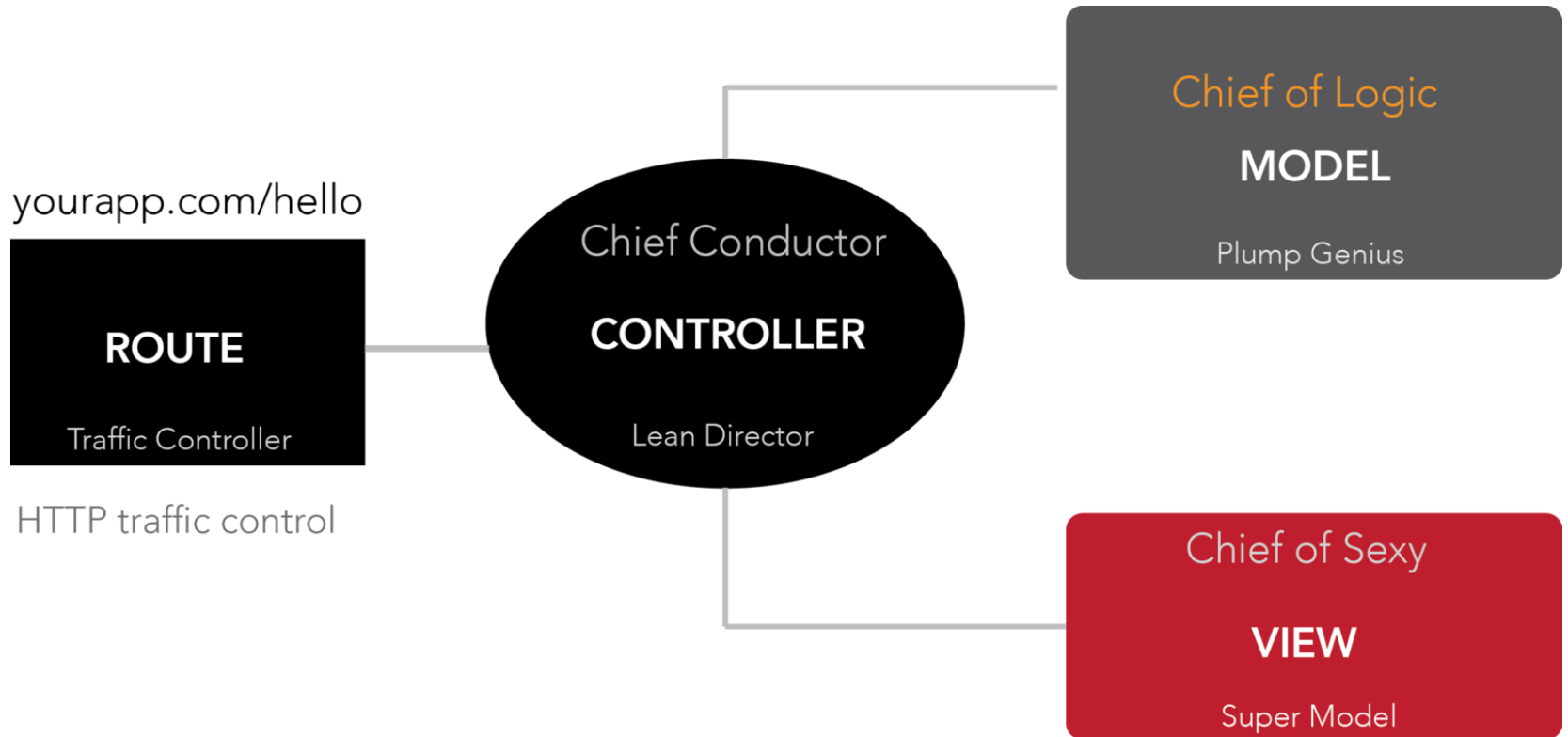
MODEL

Plump Genius

Chief of Sexy

VIEW

Super Model



ROUTE

- **DIRECTS HTTP REQUESTS TO APPROPRIATE CONTROLLER & ACTION**

CONTROLLER

- **THE CONDUCTOR**
- **WORKS WITH BOTH THE MODEL & VIEW**

HTTP VERBS

- HTTP VERBS VS. RAILS CONTROLLER ACTIONS

HTTP Verb	Path	Action	Used for
GET	/photos	index	display a list of all photos
GET	/photos/new	new	return an HTML form for creating a new photo
POST	/photos	create	create a new photo
GET	/photos/:id	show	display a specific photo
GET	/photos/:id/edit	edit	return an HTML form for editing a photo
PATCH/PUT	/photos/:id	update	update a specific photo
DELETE	/photos/:id	destroy	delete a specific photo

VIEW

- **LOOKS GREAT!**
- **SHOULD ONLY INTERACT WITH THE CONTROLLER**

MODEL

- **HOUSE OF LOGIC**
- **DIRECT RELATIONSHIP WITH ACTIVE RECORD**
- **SHOULD ONLY INTERACT WITH THE CONTROLLER**
- **SHOULD NEVER WORK DIRECTLY WITH VIEW**

MUSIC APP!

CODE ALONG!

LEARNING GOALS

- UNDERSTAND THE ROLE OF THE CONTROLLER
- KNOW WHAT CRUD STANDS FOR
- UNDERSTAND WHICH ACTIONS IN THE CONTROLLER ARE REQUIRED TO ACHIEVE CRUD

CRUD

CREATE | READ | UPDATE | DELETE