

# **What is MVC?**

(Model-View-Controller in Ruby on Rails)

# MVC - Do You Need All Three?

**Model** - these are classes representative of the database.

Ex., Person class = template for a person

- methods = different behaviors that are typical of the *Person* class
- Instances of the class (or *Persons*) can be unique, can have names, etc.
- Class names must be **Capitalized**
- models are represented by files with a .rb extension

**Models** automatically create a **table** within the database

**Controller** - defines the application logic used to access data

Ex. "Gets me all of the people who are in a specific department/street, etc."

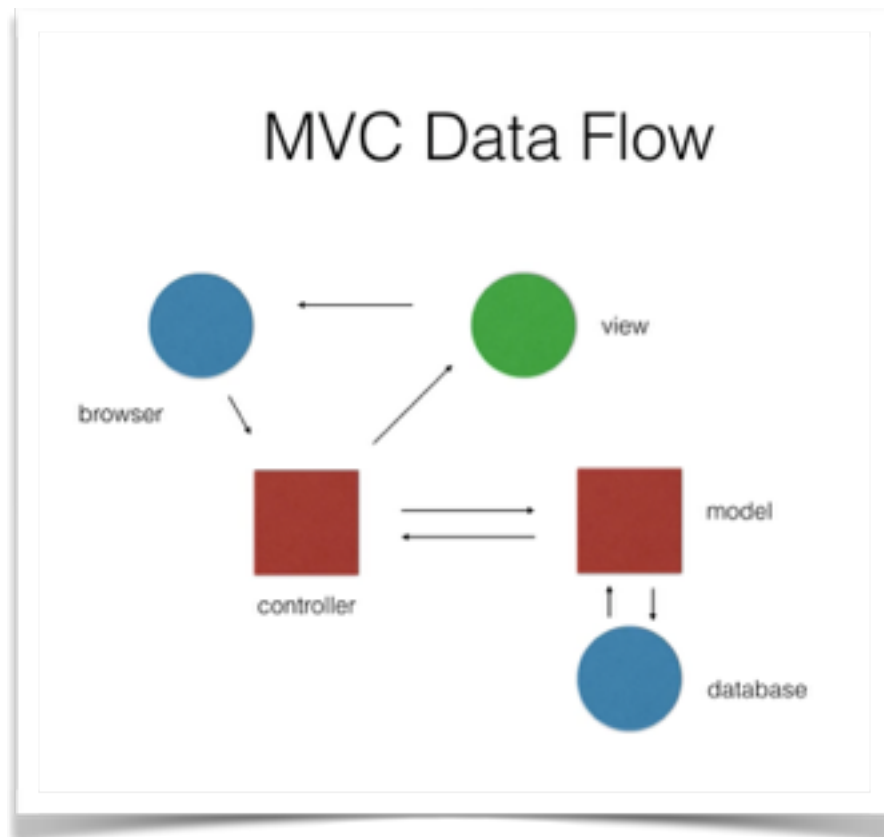
- pulls information from the models for display in the view
- collects the data in the model and assembles it for the view
- you can have conditional statements, loops, etc here
- controllers are represented by files with an underscore \_controller.rb ext

**Controllers** can be automatically generated from the command line

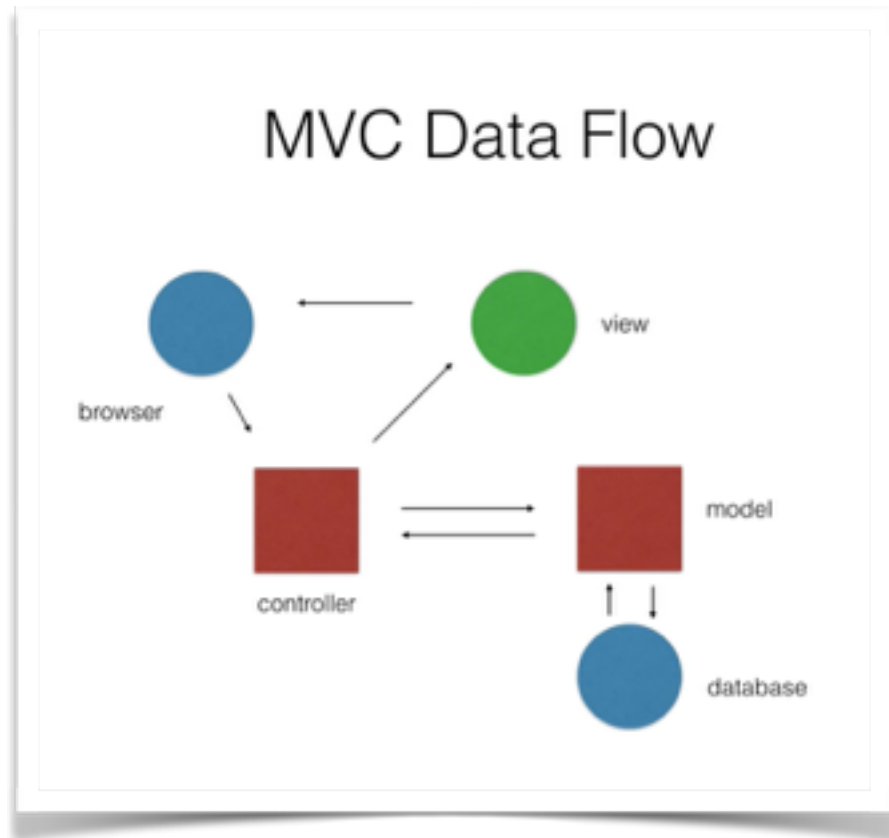
**View** - presentation of the data to the users

Ex. Specific data set of Persons is displayed in an attractive manner in view

- these files are built using html and CSS
- these files are represented by a folder with multiple .html.erb extension files



# MVC - How would you write these for a project?



**Model** - What are good example models for the projects you are working on?

**Controller** - What format/syntax do you need to create controllers for your models?

**View** - What types of HTML tags do you need to set up the views for your project?