How to build a web app
using the MVC pattern

Samuel Fuentes for PyLadies - 2014/02/11

Agenda

- How does the web work?

  - What does a web server do?

- Building a small app

  - MVC Patterns: why and how

  - Other things to keep in mind

How does the web work

* Client-server paradigm

* HTTP

  * Request

  * Response

  * Response codes

What does a web server do

* Waits for requests

* Routes URL

* Analyses request (GET, POST, parameters…)

* Generates response (Gather data, process it, prepare content, present it, error handling)

MVC pattern

* Model-view-controller

    * Model: handles data representation and logic

        * ORM

    * View: handles presentation

        * Template inheritance

    * Controller: handles input processing and flow control

Further concepts

- Forms

- Redirects (3xx, 404, 500)

- Cookies and sessions

- Internationalisation and localisation

- Security

- Performance

  - Caching

  - Compression

Questions?

Samuel Fuentes
    VP Engineering Delivery Hero

@samufuentes

info@samuelfuentes.com