Server-Side Languages

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Welcome to SSL Day 2!

Controllers and pretty URLs

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Overview

- Questions about Day1 or Lab1?
- Controllers
- URL Redirects

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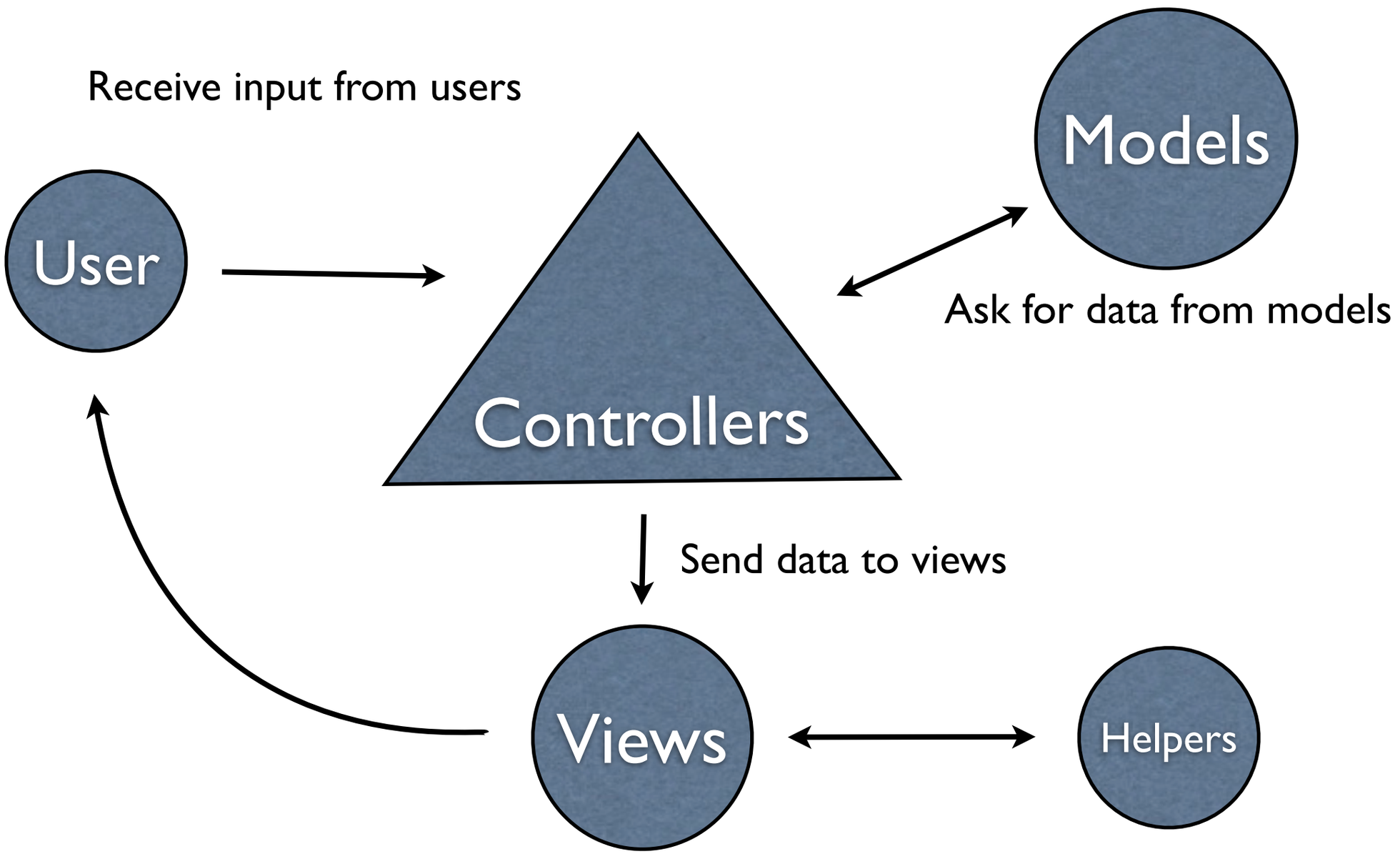
MVC



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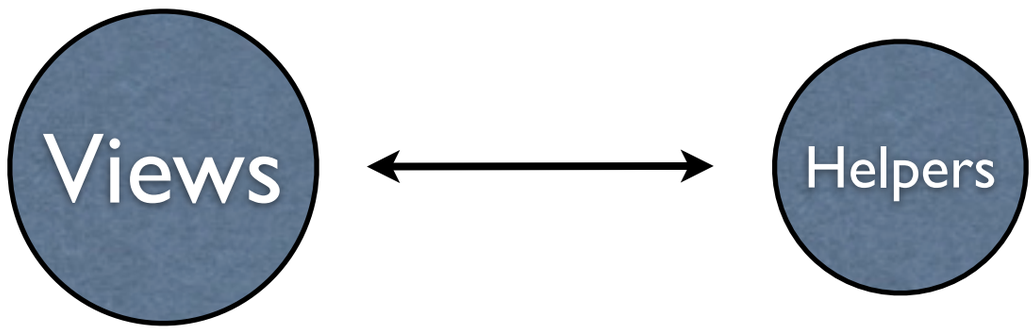
Helpers



The helper class constructs HTML for the views.

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Responding to the URI in PHP

PHP scripts will make information from the URI available in the $_GET associative array

The index file decides which controller class to instantiate and passes the request to it.

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Responding to the URI in Python

The script must import the ‘cgi’ package.

Python scripts will make information from the URI available in the dictionary returned by the cgi.FieldStorage() function.

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Controller

The Controller class examines the data sent to it from the index file and decides which models to load and which views to show.

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Making nicer URLs

Add to .htaccess in your root web directories

```
RewriteEngine On
RewriteRule ^([a-z]+)/([a-z]+)$ /index.py?controller=$1&action=$2
```

You may need to add this to your .htaccess in your root web directories

```
Options +FollowSymLinks
```

You may need to uncomment this line in your apache config file:

```
LoadModule rewrite_module libexec/apache2/mod_rewrite.so
```

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Pretty URL Test

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Best Practices for URL SEO

- Number of words <= 3
- Use hyphens to separate words
- No weird characters

example.com/category-keyword/primary-keyword

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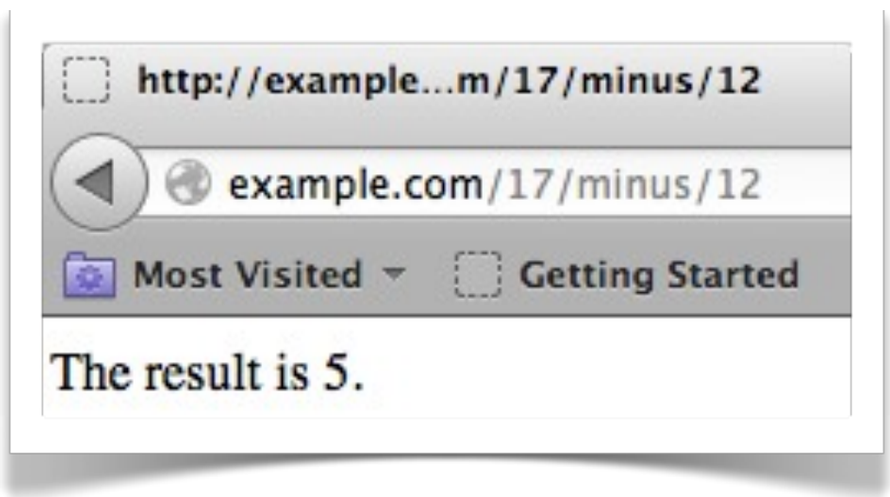
In class assessment

- Make an index page that accepts incoming requests and shows the following output.



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Lab 2: Using controllers and pretty URLs

- Add controllers to your two websites
- Rewrite your URLs for readability and SEO

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