Enterprise Web Development

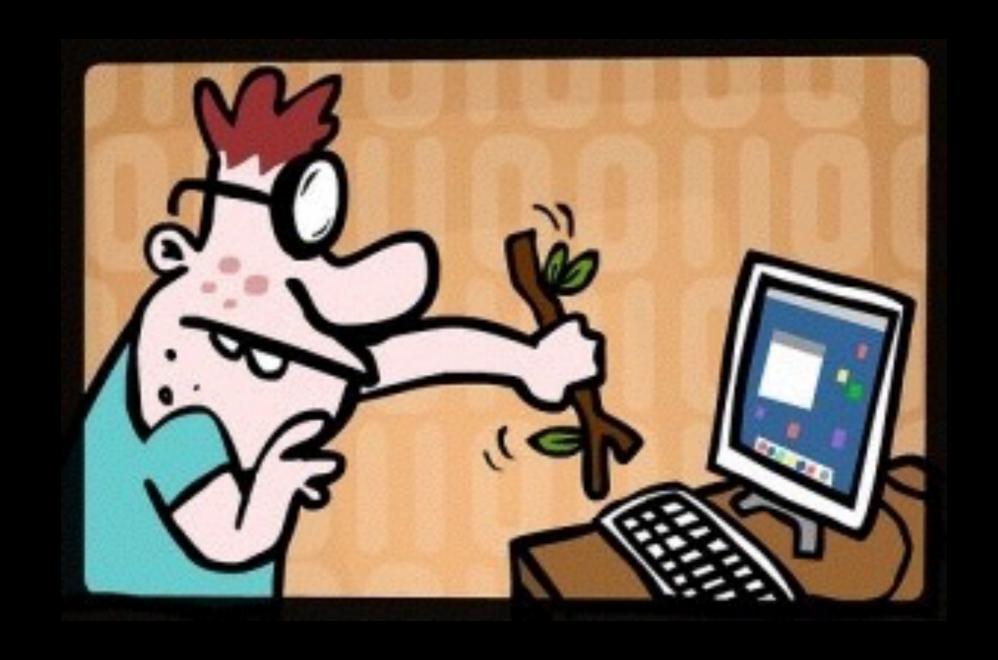
CS 497/597

Enterprise Web Development

CS 497/597 graduate credit

What you should already know

- HTML and CSS
- Basic JavaScript (syntax, events handling)
- jQuery (or similar JavaScript framework)
- Sanitization, validation, regular expressions
- Forms, GET vs POST
- PHP (or similar scripting language)
- MySQL (or similar RDBMS syntax)
- Session, cookies
- Basic Web Security (XXS, XSRF, injections, encryption)



You've done basic web development



You've done basic web development

CS 401 or equivalent experience

Now for the fun stuff

1. Web Frameworks

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- PHP Laravel
- Ruby on Rails
- Python Flask

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2. Advanced JavaScript

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- PHP Laravel
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- Closures
- Anonymous Functions
- Node.Js

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3. Enterprise Concerns

1. Web Frameworks

- PHP Laravel
- Ruby on Rails
- Python Flask

2. Advanced JavaScript

- Closures
- Anonymous Functions
- Node.Js

3. Enterprise Concerns

- Profiling and Monitoring
- Caching
- Internationalization

What about...

CSS Frameworks

MVC.NET

Ext.JS

Django

Symfony Mobile Websites

Java Servlets

CakePHP

Silverlight

Web Design WebGL

What about...

CSS Frameworks

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Web Design

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WebGL

not enough time

- One midterm
 (open-book, written essay)
- One final (not cumulative)
 (open-book, written essay)
- Pop quizzes
 (in-class, completely random... or are they?)
- One very large programming assignment (graded in segments throughout the semester)

Grade Percentages

- One midterm 20%
 (open-book, written essay)
- One final (not cumulative) 20% (open-book, written essay)
- Pop quizzes 0%
 (in-class, completely random... or are they?)
- One very large programming assignment 50% (graded in segments throughout the semester)

You can use any web technology for your project

CSS Frameworks

MVC.NET

Ext.JS

Django

Symfony

Mobile Websites

Java Servlets

Silverlight

Web Design

WebGL

CakePHP

You can use any web technology for your project

CSS Frameworks

MVCYou are responsible for hosting it

Symfony

Mobile Websites

Java Servlets

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Web Design

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CakePHP

You can use any web technology for your project

CSS Frameworks

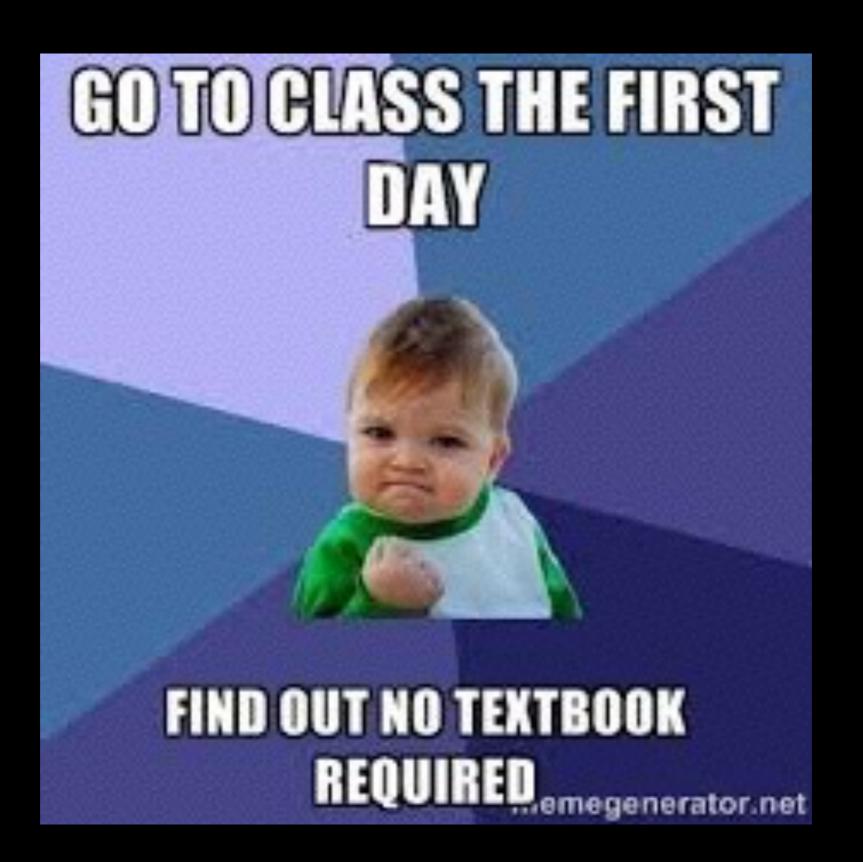
MVCYou are responsible for hosting it

Symfony

Mobile Websites

Consider that the cost of Web Design

Your textbook



Search engine

Search engine

Web Framework

Search engine

Web Framework

Browser Extension

Search engine

Facebook Game

Web Framework

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Search engine

E-commerce storefront

Facebook Game

Web Framework

Browser Extension

Search engine

Exploit Scanner

E-commerce storefront

Facebook Game

Web Framework

Browser Extension

Search engine

Exploit Scanner

E-commerce storefront

Facebook Game

jQuery Plugin

Web Framework

Browser Extension

Requirements:

Exploit Scanner

E-commerce storefront

Facebook Game

jQuery Plugin

Web Framework

Browser Extension

Requirements: Exploit Scanner

- E-Use web technologies Game
 - Sufficient in scope Framework
 - Hosted publicly
 - PrStoredon GitHub

 Interface