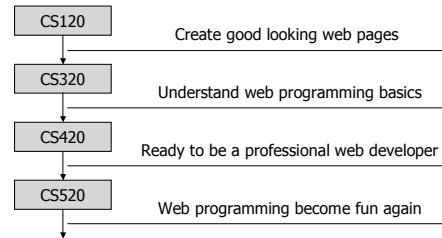


CS520 Web Programming Course Overview

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Web Programming Courses



Web Applications

- ◆ E-commerce sites
 - Amazon, Ebay, ...
- ◆ News sites and online forums
 - Slashdot, Arstechnica, ...
- ◆ Digital libraries
 - ACM, computer.org, ...
- ◆ Various information management systems
 - GET ...

Common Traits of Web Applications

- ◆ Data stored in a database
- ◆ Several types of users
 - Authentication and authorization
- ◆ Web pages
 - Display data
 - Take user input

CS520, Part I

- ◆ Web application framework
 - Spring + Hibernate
 - Build solid, scalable, and maintainable web applications
- ◆ And a few tricks
 - File uploading
 - Email
 - Full-text search
 - RSS

Get Rich

- ◆ Google
 - Deja News, Blogger, Picasa, Keyhole
- ◆ Yahoo
 - Dialpad, blo.gs, Flickr, Del.icio.us
- ◆ Ebay
 - Craigslist, Skype
- ◆ News Corp
 - Myspace.com
- ◆ To be sold soon: Facebook, YouTube

So How Did They Do it?

- ◆ Novel applications
- ◆ Advanced technologies
- ◆ Lots of traffic

CS520, Part II

- ◆ Emerging and future technologies that help you develop that killer application or attract lots of traffic
 - AJAX
 - Web services
 - Semantic web
 - Research in user activity analysis

Other Issues

- ◆ Development tools
 - Ant
 - Eclipse (WTP)
 - Subversion
- ◆ CS3 server and CSNS
- ◆ Project and project group