Schedule and outline

Texts

- [DevOps for Web Development](#) (Abbreviated as DWD below)

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Week 1

- Topics:
  - TCP/HTTP Review / Name-based vs ip-based hosting
  - Apache
  - NGINX
  - IIS

- Readings:
  - Apache name-based
  - Apache ip-based
  - Virtual Host in depth

- Slides
- Slides
- Slides
- Nginx Howto
- IIS Howto
- Register AWS
- EC2 Create
- Slides
- Assignment

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Week 2

- Topics:
  - SSL

- Readings:
  - EC2 Allow Firewall
  - Easy SSL
  - Easier SSL - Lets Encrypt

- Assignment
- Assignment
- Slides

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Week 3

- Topics:
  - Continuous Deployment & Integration
  - Git
  - Finish SSL
Readings:

- What is Dev Ops
- Youtube video
- DWD-ch 1
- Continuous Integration

Slides

Assignment

Week 4

Topics:

- GIT
- Continuous Deployment & Integration

Readings:

- Git intro
- DWD-ch 2

Slides

Assignment

Assignment

Assignment

Exam 1

Week 5

Topics:

- Jenkins

Readings:

- DWD-ch 2
- DWD-ch 3

Slides

Assignment

Assignment

Assignment

Week 6

Topics:

- Jenkins - Deployment to Tomcat

Assignment

Week 7

Topics:
• Vagrant

• Slides

• Slides

• Assignment

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**Week 9**

• Topics:
  • AWS vagrant

• Slides

• Aws notes