Schedule and outline

Texts

- DevOps for Web Development (Abbreviated as DWD below)

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

Week 2

- Topics:
  - SSL

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

- Assignment

- Assignment

- Slides

Week 3

- Topics:
  - Continuous Deployment & Integration
  - Git
  - Finish SSL
Readings:
- What is Dev Ops
- Youtube video
- DWD-ch 1
- Continuous Integration

Slides

Assignment

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**Week 4**

- Topics:
  - GIT
  - Continuous Deployment & Integration

Readings:
- Git intro
- DWD-ch 2

Slides

Assignment

Assignment

Exam 1

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**Week 5**

- Topics:
  - Jenkins

Readings:
- DWD-ch 2
- DWD-ch 3

Slides

Assignment

Assignment

Assignment

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**Week 6**

- Topics:
  - Jenkins - Deployment to Tomcat

Assignment