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
**Week 4**

- **Topics:**
  - GIT
  - Continuous Deployment & Integration

- **Readings:**
  - Git intro
  - DWD-ch 2

- **Slides**
- **Assignment**
- **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**