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

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
  - Vagrant and AWS Screens
  - AWS AMI Screens

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**Week 10**

- Topics:
  - Google Cloud Platform
  - Automated Configuration (Configuration Management)
  - Ansible

- Readings:
  - How ansible works
  - Benefits of CM
  - Ansible Getting Started (Also covered in my slides)

- Slides
- GCP Screens
- Assignment

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**Week 11**

- Topics:
  - Ansible Playbooks

- Readings:
  - Ansible Playbooks Intro
  - More about playbooks

- Slides
- Assignment

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**Week 12**

- Topics:
  - More ansible

- Assignment
- Assignment