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:
Week 9

- Topics:
  - AWS vagrant
  - Slides
  - AWS notes
  - Vagrant and AWS Screens
  - AWS AMI Screens

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