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

Week 4
- Topics:
  - GIT
  - Continuous Deployment & Integration
- Readings:
  - Git intro
  - DWD-ch 2
- Slides
- 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

Exam 2

Week 7
• Topics:
  • Vagrant

• Slides
• Slides
• Assignment

---

**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

---

**Week 11**

• Topics:
  • Ansible Playbooks
• Readings:
  • Ansible Playbooks Intro
  • More about playbooks

• Slides
• Assignment

---

**Week 12**

• Topics:
  • More ansible
  • Vagrant + Ansible

• Assignment
• Assignment
Week 13

- Exam 3