



Schedule

[Create Wiki Page](#)[My Contribution](#)

Schedule

[Edit Wiki Content](#)

Created By Siddharth Kaza on Tuesday, September 1, 2015

8:40:25 PM EDT

last modified by Siddharth Kaza on Tuesday, September 1, 2015 9:20:51 PM EDT

Advanced Web Development

List of Topics and Schedule

Week (Class date)	Topics
1 (9/1)	Introduction <i>Project teams</i> <i>Presentation topics</i>
2 (9/8)	Model-View-Controller, and Rails <i>Readings:</i> <ul style="list-style-type: none">Waterfall software development model, Java BlueprintModel-View-ControllerRails book, Chap 1-4 <i>Presentation:</i> Royce, W., Managing the Development of Large Software Systems, Proceedings of the 9th international conference on Software Engineering, 1970. Presenter: Sajna
3 (9/15)	Models, Databases, and Object-Relational Mapping <i>Reading (used by instructor):</i> <ul style="list-style-type: none">Rails book, Chap 1-5 (skim Chap. 1) <i>Presentation:</i> Boehm, B.W., A spiral model of software development and enhancement, IEEE Computer, May 1988, pp. 61-72

Wiki Details

[SCHEDULE](#)[Schedule](#)

Presenter: Jessica Rudolph

4 Basic Models, Views, and Controllers – The Depot Project (9/22)

Reading (used by instructor):

- Rails book, Chap 6, 8

Presentation:

Lerman, C. and V. Basili, Iterative and incremental developments: a brief history, IEEE Computer, June 2003

Presenter: Seongik Park

Mini project: The Depot project (chapter 6, 8)

Project proposal due

Assignment 1 out

5 Sessions, Project Kickoff (9/29)

Reading (used by instructor):

- Rails book, Chap 7-8

Presentation:

Beck, K., Embracing Change with Extreme Programming, IEEE Computer. 32(10), p. 70-77, 1999.

Presenter: Mbah Fonong

Sprint 0 - Writing stories, group coordination

6 Basic Active Record (Forms), Mini project (10/6)

Reading (used by instructor):

- Rails book, Chap 10

Mini project (in class): Address book

Presentation:

Vinoski, S., "Welcome to the Functional Web"

Presenter: Ben Lawrence

Sprint 1 planning

7 Active Records (10/13)

Reading (used by instructor):

- Rails book, Ch. 19, 23
- Coulon, X. Hibernate simplifies inheritance mapping

Presentation: Cusumano, M., and Selby, R. How Microsoft Builds Software, Communications of the ACM, vol. 40, No. 6, pp. 53-62, June 1997.

Presenter: Logan Bair

Assignment 2 out*Sprint 1 review and retrospective**Sprint 2 planning***8**
(10/20) **Active Records (cont.)***Reading (used by instructor):*

- Rails book, Ch. 19, 23
- Coulon, X. Hibernate simplifies inheritance mapping
- Richardson, C., ORM in Dynamic Languages

*Presentation:***Meenan, P, How Fast is Your Website?**

Presenter: Jayanth Arawa

9
(10/27) **Active Records (cont.)***Reading (used by instructor):*

- Rails book, Ch. 17-20

Coulon, X. Hibernate simplifies inheritance mapping

*Presentation:***Nicolaou A, Best Practices on the move: Building Web apps for mobile Devices**

Presenter: Angel Dela Rosa

presentation:**Presenter: Chen Chen****Assignment 3 out***Sprint 2 review and retrospective**Sprint 3 planning***10**
(11/3) **Project Day – No class****Exam Release****11**
(11/10) **Testing***Reading (used by instructor):*

- Testing the Rails
- Testing, fun? Really?

Presentation: Zakas, N, the evolution of Web Development for mobile Devices

Presenter: Jinhyuck Choi

*Sprint 3 review and retrospective**Sprint 4 planning*

12
(11/17)

AJAX

Reading (used by instructor):

- Rails book, Chap 9, 24

Presentation:

Presenter: Heng Yu , Yuehan Yin

Sprint 4 review and retrospective

Sprint 5 planning

13
(11/24)

Web Services, REST, Security

Reading (used by instructor):

- Rails book, Ch. 25,26

Presentation:

Presenter: Madhan Raj Chandrasekaran

14
(12/1)

Aspect Oriented Programming, Mobile web

Reading (used by instructor):

- Rails book, Ch. 11
- Pollice, G. A Look at Aspect Oriented Programming

Presentation:

Presenter: Vivek Mahalingam

Sprint 5 review and retrospective

Sprint 6 planning

15
(12/8)

Project Presentations

Project final submission final exam day (only soft copy and file uploads please)

Submissions

–

No

Late

Frameworks Assignment demos

Other topics that may be included if time permits

The instructor reserves the right to modify this schedule. The class will be made aware when there is a change.

Comment

