INF5750

Structure, assignments, evaluation

University of Oslo
Department of Informatics

Outline

- Part I: Structure and practical information

- Part II: Overview of the content

- Part III: Version control

Prerequisites

- Thorough general programming background

- Willingness to read up on new technologies

- Ability to collaborate in substantial group project

- Interest in both software engineering and theoretical issues

Structure

- 1 lecture per week

- 1 lab session per week (4 groups)

- 2 mandatory assignments (obligs)

- Group project

- Exam

Lectures

- Overview of lectures on <u>course page</u> - there will be changes during the semester

- Slides will (generally) be posted on the course page

- Technical/hands-on topics first, theoretical topics later

- Some topics will be covered by others in the IS research group, DHIS2 developers and external lecturers

Lab sessions

- Lab session schedule on course page - starts next week

- You have been assigned a group on StudentWeb

- Lab sessions are important - main place to get help

- Bring your laptop if possible

Mandatory assignments

- Assignment 1:

  - build Web-API with node.js (javascript)

  - published over the weekend

- Assignment 2:

  - expand Web-API, with data storage++
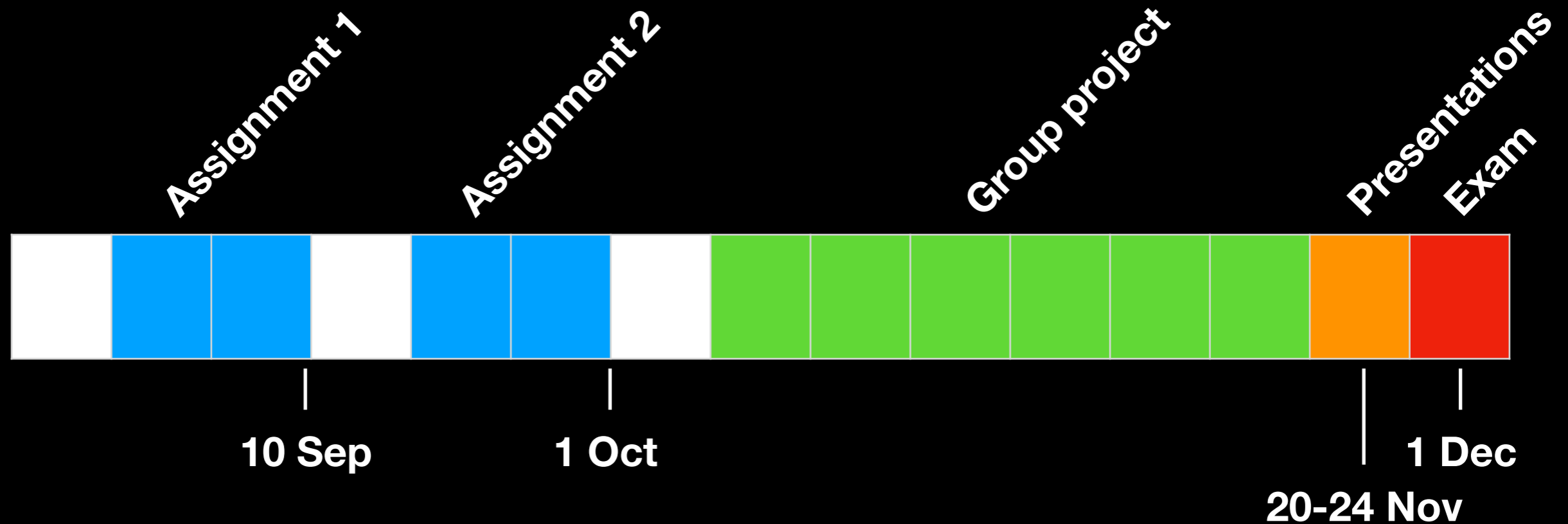
  - builds on assignment 1

- Both must be approved!

Group projects

- Practical information:

  - Early October to late November

  - 3 students per group

  - Choice of ±5 project assignments

  - Will be graded

- Objectives:

  - Build Web-application for DHIS2 - open source platform

  - Work with widely used open source components

  - Working in teams and sharing code

Exam

- 4-hour individual written exam (digital)

- Mostly theoretical questions based on literature

- There *can* be:

  - assignments with pseudocode

  - questions from/about group projects

Timeline

Assignment 1 · Assignment 2 · Group project · Presentations · Exam

10 Sep · 1 Oct · 20-24 Nov · 1 Dec

- Will be adjusted as/if needed

- Group presentation *might* be moved to after the exam (don't book your holidays yet)

Grading

- Group project = 60%

- Written exam = 40%

Tools

- piazza.com for questions and discussion

- GitHub for version control

- Wiki and GitHub for group project documentation