IN5320 - Development in Platform Ecosystems

Friday 27th of November 2020

15.00 - 19.00 (4 hours)

You may answer in English or Norwegian.

Maximum points: 100.

Aids and communication with other students
All aids are allowed (syllabus articles, online resources, notes, etc.) It is **not** allowed to collaborate and communicate with others during the exam. Students may be selected for a control interview to assess the ownership of their delivery. The interview will not affect the grade of the exam, but in suspicion of cheating the department can issue a suspicion-of-cheating case.
More information:

- https://www.mn.uio.no/english/about/hse/corona/kontrollsamtale.html
- https://www.uio.no/english/about/regulations/studies/studies-examinations/routines-cheating.html

The format of the exam
The aim of this exam is for you to show your ability to reflect and discuss important aspects of the theoretical topics of the course using concepts from the syllabus. The exam has four questions where you are asked to explain and discuss certain topics. When asked to *explain* a concept or phenomenon we expect you to be as thorough and elaborate as possible to sufficiently illustrate your understanding of it. When asked to *discuss*, we expect you to use any relevant knowledge from the course syllabus (e.g., concepts, arguments, phenomenon, examples) to shed light on the phenomenon you are discussing, and where relevant include different and/or opposing perspectives.

Good luck!

1. DHIS2 as platform (40%)
Answer both of the following questions.

- In the course we have talked about two different types of digital platforms. What type(s) of platform is DHIS2? Discuss how DHIS2 meets the definition and characteristics of the argued type of platform using concepts you see relevant from the course literature (e.g., architecture, multi-sidedness, boundary resources, network effects, etc.)
- Boundary resources is an important concept in the platform literature. Provide some examples of boundary resources for the DHIS2 software, and discuss their role in supporting design and innovation. You can use examples from the project work.

2. Modularization and software platforms (15%)
Explain what is meant by modularization, and discuss how modularization is related to software platform architectures.

3. Platform strategy and generic software solutions (30%)
Explain what is meant by a platform strategy, and discuss why vendors of generic enterprise software solutions (such as SAP and DHIS2) would adopt such a strategy.

4. Platform forking (15%)
Explain what is meant by platform forking, and discuss how it is similar and/or different from “regular” software project forks.