TDT4175 Information Systems

Group 19

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1 Introduction

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2 Today's system

The situation as it is today is that It's Learning, Examweb, and Student web are three separate systems with a common database on the back-end. This back-end system is called Felles Sudentsystem (FS) and powers many universities and univerity colleges in Norway.

2.1 Eksamensweb

Eksamensweb is accessible from the innsida webpage. It gives everything you need to know about exams. The main webpage contains two parts. First, a static part giving contact details, location, postal address and examination regulations (i.e. such information as arrival time, calculators and dictionaries allowed and so on). Then a dynamic part containing 4 subparts listed below :

2.1.1 Registration

In this subpart you can check your exam dates, register for exams (you will be redirected on Studentweb to keep going over this task) and check about exam dates and locations. Also, you have information about the deadlines for registration for both semesters, about courses that have a "re-sit" or re-schedule exams and even if you need to register after the deadline (only special cases) Below the previous section, there is insights about canceling your registration for exam in both semesters. This will also redirect you on Studentweb and you have to do it before the deadline otherwise you'll have to take the exam

Final section is about special accommodations, this concerns you if you have health problem or a disability and then you can ask for special accommodations during your examinations. However, you will need to ask for it and there are deadlines for both semesters.

2.1.2 Preparations

This subpart permits you to deal with the organization of the exam. You can access reading rooms and study hall locations in order to study beforehand. Then, you are given a link to courses information about date, time and room for you to know where and when to go and take your exam. If you lack specific information, you'll be redirected on Studentweb again for further details. Finally, you can have details on previous examinations (organization details too) and how to master your examinations, that is to say getting help and improve your exam-taking skills and how examiners assess your work

2.1.3 During examination

This subpart deals with the very moment of the exam, it explains how the attendance works : you must arrive 10 minutes before the beginning of the examination, bring a photo identification and show this one to the invigilators before you can sign the attendance list. You have a link that shows you the permitted examination aids, same link as the on in the static part of the webpage. Then, some insights about how it is during the exam, if you are all of a sudden overwhelmed by some illness, if you ever try to cheat on an examination and some details on the presence of teaching staff during examinations. Last section helps you to find the examination room. Indeed, it gives you a link of an overview of the lecture halls and rooms, a map of NTNU's campuses and the map of Trondheim Spektrum.

2.1.4 Examination results

Last subpart of the dynamic part, it deals with the results. It gives you the examination result deadline, the explanation of grades and appeals and grade scale. Once the results are posted online, you can check them on Studentweb. You are also given a transcripts and diplomas/certificates details. Here you can order a transcript or diploma/certificate and you can also ask for a diploma supplement. Last section concerns the new examination, if you ever need to retake an exam in order to improve your grade, you have the information you need. The very last point is about the resit examination.

2.2 Student web

Student web is a portal where NTNU students can manage their course participation, register their personal information, check their grades, register in which faculty they wish to use their vote in student elections. Studentweb is in use at NTNU and several other education institutions in Norway. It is developed by NTNU and the other institutions that make use of the system.

3 New system

4 Requirements

4.1 Use cases

Use case 1: Log in to Innsida

Task: Establish a secure and authenticated session with Innsida

Frequency: 150/hour

Critical: January and August

Sub task	Solution
Login	Login through Feide

Use case 2: Sign up to course

Task: Sign up in a course

Frequency: 100/hour

<u>Critical:</u> August, Seprember, January, and February

Sub task	Solution
Log in	Log in through feide
Find course	Go to education plan and select desired course
Sign up	Sign up in course if student has access to course

5   Possible problems with the new solution

6   Conclusion