Project description INF5722

This is a description of the mandatory project in the course INF5722 *Experimental Design of IT,* Fall 2015.

Purpose

The task of the project is to

- make an analysis of an application area using the methods and techniques described in the course curriculum,
- design a prototype of a service/system, and
- analyse the design process using concepts and theories from the curriculum.

You will need to explain the design process and the methods and techniques used theoretically with concepts from the curriculum. The work of the assignment shall result in 3 mandatory assignments ("oblig"):

- a project plan
- a mid-term presentation
- a final project presentation

In addition, you will need to write a report which will count as a part of the exam.

Although we want to put this up as a realistic project, it is important to emphasize that it is an exercise.

Main features of the task

The main content of the work is that the group carries out a project that involves planning and execution of user-oriented design. The project's goals are to

- develop a rich understanding of the use context and users,

- plan and do a use-oriented design process where mutual learning is a goal

- develop skills in various techniques to explore technical and use-oriented design options

- provide a basic experience of working in groups

- develop an understanding of how a design process interacts with the technological properties

- provide experience in demonstrating design ideas to users, and analyze and argue for the choice of perspective, materials and form in solutions

The project will result in at least one prototype of the design solutions that the project group has developed.

The analysis of the design and the design process should be based on the books and articles included in the curriculum.

Plan for the group work

- Establish the group
- Choose the project topic
- Choose a target group
- Choose the choice of focus. For example, will the focus be on the elderly person or staff in a smart house? Will the group design for professionals working with music or for "users" of music in various ways?
- Make a plan for your project work to be submitted as a mandatory assignment. A template for the project plan can be found attached to this document.
- Midterm presentation, each group presents the project for 15-20 minutes and receive feedback
- Develop one or more prototype(s)
- Write the project report to be submitted as part of the exam

Report

The report shall include the following:

- Introduction / Background and problem area

  A background to the problem area is described to give an introduction to why the group chose this specific problem. The background description leads to the project's problem area and objectives.

- Case and context

  The context that the project has been carried out in is described to provide an illustration of the application.

- The design process

  The process, methods, how the project has been completed, which user groups that have participated, which methods and techniques have been used

- Analysis and discussion

  Give an analysis of the design process and the results and discuss it with the help of concepts and theories from the curriculum.

- Individual reflections

  Each group member writes at least 1,5 pages of reflections over the project and their experience, using the perspectives, approaches and methods included in the curriculum and with references to some of the literature.

  The report must be at least 12 pages of text font 12, single space, plus individual reflections.

The project is mandatory. You must complete the project, and write and submit the report together with your group to take the oral exam.

See guidelines for mandatory tasks:

http://www.mn.uio.no/ifi/studier/admin/obliger/oblig-retningslinjer.html

and guidelines against fraud:

http:// http://www.uio.no/studier/admin/eksamen/fusk/

NB: You will need to fill in the no-fraud declaration and submit it together with the report.

Good luck!

Attachment

Template for the project plan INF 5722 Fall 2015

The plan is a mandatory assignment in INF 5722.

1. Area
A brief description of the theme for the project. Which area do you choose? What do you focus on?

2. Purpose
What will you find out, or address with the design?

3. Target group
What is your target group for the design? Who will be the future users?

4. Methods
Which techniques and methods will you use to reach your goal? Argue that they are fit for the purpose.

5. Plan
Plan for the project, with
       how you organize your project,
       milestones and responsibility,
       work or product breakdown, and
       progress diagram

The plan is primarily a means for you to start thinking about what to do in the project. The plan may be as long or short as you find useful as a basis for your work.

Deadline: Friday October 2nd, by email to the course teachers:
guribv@ifi.uio.no, chrinr@student.matnat.uio.no

You will receive feedback on the plan on Wednesday the week after.