

DIS1 Assignment 4

Project Definition<http://www.flickr.com/photos/intvgene/370973576>**Registration due:** Mon. 21.11.11, 13:00**Recommended first blog post due:**

Thu. 01.12.11, 18:00

Total project score: (22 + 3)/100**Estimated workload:** 1.5 hours/person**Group size:** 4–6**Description**

From now until the end of the term, you will be working towards your final project; you will design, implement, and evaluate an interactive system.

This year, the project theme is **You make me want to be a better person**: an interactive system that persuades users to change their behavior to improve quality of life. Your system may persuade users to change their behavior in three directions:

- **Go green:** E.g., use sustainable energy, use public transport, or use energy-efficient lightbulbs
- **Go healthy:** E.g., exercise, do regular health checks, eat vegetables
- **Go social:** E.g., help others, be physically together, encourage understanding of people from different age groups

The highest achievable grade of the project is 2.0. Nevertheless, if you take the following challenge, you may achieve up to 1.0: **Target users must not be university students between 20–30 years old.**

Here is a rough schedule of the upcoming weekly incremental deliverables:

Week	Task
17.11. – 24.11.	P01: Project definition
24.11. – 01.12.	(Break for exam part 1: 29.11.11)
01.12. – 08.12.	P02: User observation and interview. Revised project definition.
08.12. – 15.12.	P02 continued, (Assignment: Human Performance modeling)
15.12. – 22.12.	P03: First iteration: low-fidelity prototype, evaluation without users
22.12. – 29.12.	P04: Second iteration low- or medium-fidelity prototype, evaluation with users
29.12. – 05.01.	P05 Third iteration: high-fidelity prototype
05.01. – 12.01.	P05 continued
12.01. – 19.01.	P05 continued
19.01. – 26.01.	P06: Final evaluation with users, preparation of the presentation
26.01. – 02.02.	Project presentation (Aachen: Wed. 01.02., Bonn: Tue. 31.01.)
02.02.12	Project website freeze
07.02.12	(Exam part 2) Hand in idea log

Task

1. **Register your project:** Email the following items to to chat@cs.rwth-aachen.de with the exact subject line without quotes: "DIS1 Project Registration". (Due. Monday 21.11.11. 13:00)
 - a. Edit ProjectRegistration.txt. Fill in the information of your group members.
 - b. Photo of each member of your group. Name the file using the following format:
AC123456.jpg
 - The first two letters: AC = Aachen, BN = Bonn
 - The rest are matriculation number
 - Your photo must fits BlueCard photo requirement: <http://www.rwth-aachen.de/go/id/bhmr>
2. **Brainstorming:** In these two weeks, you should meet with your group to brainstorm possible ideas for the project. Brainstorming is more effective if it aim to answer a specific question. You may use the following questions as a seed for your discussion:
 - a. What behaviors could change to improve quality of life?
 - b. How to persuade users to change?
3. **Setup your web blog:** After the first deadline, you will receive an email with instructions on how to set up your web blog which will be used to track the progress of your project. Follow the instructions and make sure that every member of your group has access to the web blog.
4. **The first blog post:** Before the second deadline, you should record your progress which should include:
 - a. Names of your group members
 - b. Summarize brainstorming in a hand-drawn concept map (scan or take a photo)
 - c. Preliminary application name
 - d. Preliminary description of the feature and interaction
5. **Start your project:** Although a rough schedule is presented, all due dates, except the registration and the final presentation, are only a recommendation. Feel free to organize your project differently within the given time frame. You can start your project right now and plan your DIA cycles of the project.
 - a. Watch **The Deep Dive**, a short documentary showing how IDEO—a prominent design company, go through their design process in one week.
 - i. Part 1: <http://www.youtube.com/watch?v=oUJazVjvsMHs>
 - ii. Part 2: <http://www.youtube.com/watch?NR=1&v=civr9fr4iw>
 - iii. Part 3: <http://www.youtube.com/watch?v=zddv5Bv7da8>
 - b. Read **Design Studio** articles from Will Evans
 - i. Introduction to Design Studio Methodology: <http://uxmag.com/articles/introduction-to-design-studio-methodology>
 - ii. The Design of Design Studio: <http://uxmag.com/articles/the-design-of-design-studio>
6. **Log your evolving ideas:** Assign a dedicated person to keep team ideas that are created during the meeting in her idea log. Label each group's idea clearly in the log. Each of you should keep your individual ideas in your individual idea logs which will be used to indicate individual score.

Submission: You need to send a registration email and make your first blog post.

Scoring scheme

The project will contribute to 25 points to your final score.

- 20 points for project implementation in each phase (details to be announced in following assignment sheets). If you do not take the challenge, you can achieve up to grade 2.0.

Grade	1.0	1.3	1.7	2.0	2.3	2.7	3.0	3.3	3.7	4.0	5.0
Score	20	18	16	14	12	10	8	6	4	2	0

- 2 points for project presentation
- 3 points for individual idea exploration, thoughts, and reflection of project evaluated from individual idea logs

Therefore, the group may achieve up to 22 points, and there will be 3 points that can vary for each group member.