EXAM PREPARATION

Guide for exam preparation

- Lecture slides:
  - make sure you understand the concepts
  - mark these up in the book
- Lab exercises
  - cover also subjects not covered in lectures
  - make sure you understand the main concepts behind each lab exercise
- Assignments
  - remember your use cases and approach

Format of the Exam

- **Open Book Exam**
  - Debbie Stone et al book "User Interface Design and Evaluation"

- You cannot use
  - a computer or any device with Internet connection

- Answers are allowed in English or Dutch
  - No penalty for poor English!

- The exam will consists of about 15 questions

Part I: Scenario-based questions

- Discussion on a system for which a user interface needs to be designed

- A scenario and a concrete use case will be given

- You will use the scenario and concrete use case in order to perform **design tasks**
  - content diagrams
  - user, domain characteristics
  - usability guidelines, heuristics
  - design rationale
  - style guides
  - sketches, storyboards, wireframes

Part II: General HCI questions

- Interaction design goals, tasks and actions
- Mental models
- Metaphors
- Learnability, ease of use, efficiency & effectiveness
- Simplicity, structure, error prevention
- Prototyping

Part III: Evaluation questions

- Hypotheses, evaluation goals

- Experimental designs

- Evaluation metrics, heuristics

- Scales in evaluation tools, e.g. questionnaires

Examples of topics for the exam

- Examples of different mental models for the same application
- Example of a metaphor for a system/system function
- How to measure learnability and forgetfulness
- Example of detailed user characteristics profile
- Identify independent, dependent & control variables for a given experiment
- Identify evaluation metrics for a given experiment
- Draw a storyboard for a scenario