Lab 4: High-Fidelity Prototyping

Step 1. Stay in groups you defined last week

- you must fill out the attendance sheet when it comes by
- bring paper prototype with you to the lab

Step 2. Choose a prototyping tool

- Factors affecting your choice (have a look at rating sites, e.g., Prototypr)
  - cost (free or free trial), e.g., Axure is free to students and Sketch is free for one project
  - ease of use
  - ease of learning
  - level of interactivity required
  - individual/team experience with tool(s)
  - shareable workspace (for your team)
  - ability to share with instructor when prototype finished
  - dev platform (e.g., Windows, MacOS)
  - ability to prototype for smartphone (iOS and/or Android)
  - consult the many top X lists of prototyping tools, for example, e.g., tivix.com

Step 3. Create a High-Fidelity Prototype from your Paper Prototype

- Use your paper prototype as a base
- Create a hi-fi prototype
- Evaluate it with a couple of users using tasks developed for you paper prototype
- Refine your prototype
- Create a final hi-fi prototype that can be submitted to your instructor/TA
- Create a short video of your hi-fi prototype being used to complete your tasks
  - Using your tasks, create a video of your prototype (1080p)
  - You may use a group member as the participant
  - Have your participant think aloud
  - Video must be clear and steady, and audio understandable
- Create a PDF document including the following:
  - group name
  - in a Nx3 table:
    - members names
    - email addresses (and no student IDs)
    - participation for each member (time, activity, communication, timeliness, effort, etc.)
- In addition, describe the following:
  - challenges faced in creating the hi-fi prototype
  - functional gaps (if any) in your prototype
  - how well does the hi-fi reflect your low-fi
  - how user testing the prototype improved/changed it
  - working link to your prototype and video
  - explain how to operate your prototype

Step 4 – Moodle deliverables by 8:00 am next Thursday

name your file: **Lab4.Hi-FiPrototype.GroupName.pdf**

- 1 submission/group

Grading:

- Students who are absent will automatically be assigned a grade of 0.
- If submissions are not received, then no marks will assigned
- You must spend at least 1 hour in the lab. Failure to do so will result in a grade of 0 being assigned.

0 – missing
50 – barely adequate
75 – work shows clear understanding
100 – substantial insight & effort

NB: lose up to 10 marks for poor structure, spelling and grammar