

Exercise 6 – Praktikum Mobile Productivity

Design, Prototyping and Architecture (Group Work)

After you have developed a basic idea for a mobile application during the last exercise, the aim of this week's exercise is to gain a more detailed and organized understanding of your application.

- Work out the overall architecture of your application, its different components and functionalities as well as its interaction design.
- Start from an abstract level, identify the core tasks of your application and develop a design for its user interface. This often helps visualizing the way your application should work, what its different components and actions are and what they do.
- Create a storyboard of key-screens for your application in order to visualize the user interface / interaction design of your application.
- Develop this storyboard of key-screens into a paper-prototype and test the interaction design of your application with other students (e.g. from the other groups).
- After you have learned what your application looks like and somehow know how it could work, develop a rough “internal” architecture of your application, including its components and their interactions.
- You can document this architecture and refine it in the future using techniques like UML (official syntax not necessary for first sketches => “dirty” UML okay).
- When designing the architecture of your application, please keep in mind that it also has to include a (simple) backend. Decide for yourselves how you want to implement it, which technologies you want to use (e.g. PHP, Servlets, JSP, MySQL, ...) and which expertise is already available in your group.

Each group has to submit documentation (written documentation, photos, sketches, ...) of the paper-prototyping (including photos of the testing) and the architecture for their application to the group's SVN folder by **Monday, November 27th, 12 p.m.** Create a subfolder called *project* and store your submission in it.

Remember that you have to present the paper-prototype and the architecture of your application at the next meeting. Please submit your presentation-slides to your group's folder by **Monday, November 27th, 12 p.m.**