Application Development for Mobile and Ubiquitous Computing
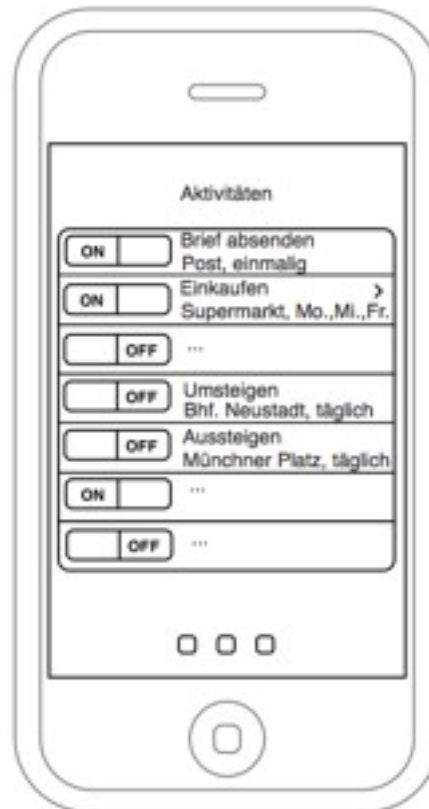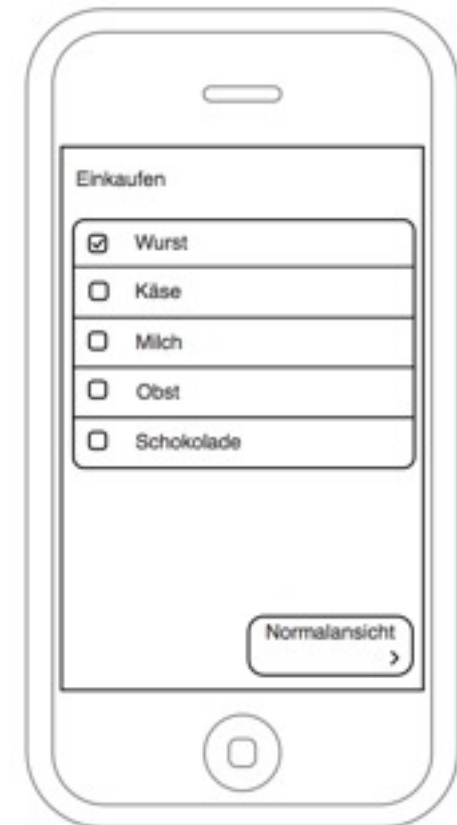
Seminar Task
First Presentation

GroupNo. XY
XY Team: Norbert Harder, ...

- Idea: Application for Location based Alerts
- Useful for:
  - reminding you of doing sth. at a specific location
  - waking you up (e.g. in a train)
  - providing you special todo-lists depending on your location
  - ...
- Possible extension with Server Side Component for sharing of locations and todo-lists
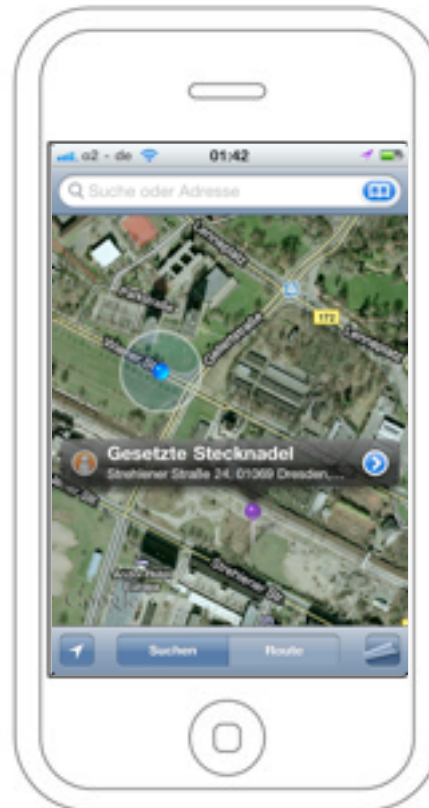
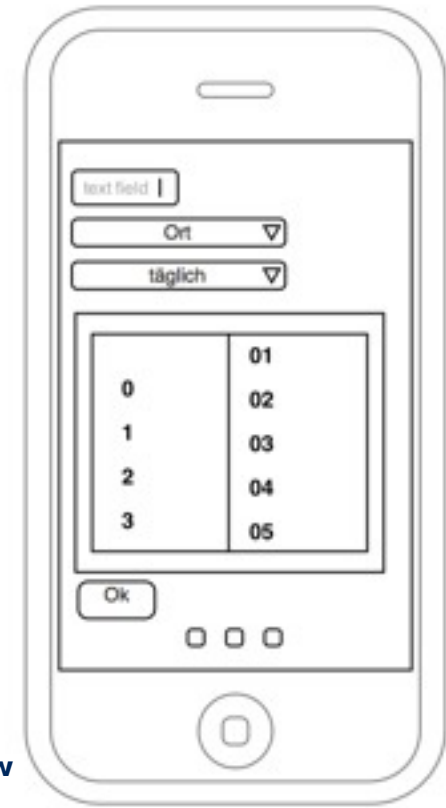- Concept in Detail
- 2 Main Views

Normal View

View based on Location

- Locations are defined using a Map View
- Alerts can depend on a specific time and conditions

Defining Locations

Creation View

- Planned as iPhone Application
  - iOS 4.1
  - Objective-C
  - will be based on Core Location Framework
- basic concept not dependend on external APIs / Servers
- possible extension with a server side component for sharing locations and todolist between multiple phones

- Battery Consumption due to extensive use of GPS
  - choosing right update interval
  - trade-off between accuracy and power consumption
- Usability
  - displaying the user the information he needs
  - editing and creation of alerts

- now - Beginning of November
  - getting an Overview about the iOS SDK, Objective-C and necessary Frameworks

- till 17.12.2010
  - Prototype with the essentiel functionality:
  - Possibility of defining locations
  - Warning when approching that locations
  - Simulation-Mode

- till 28.01.2011
  - ToDo Lists
  - Condition dependend Alerts