

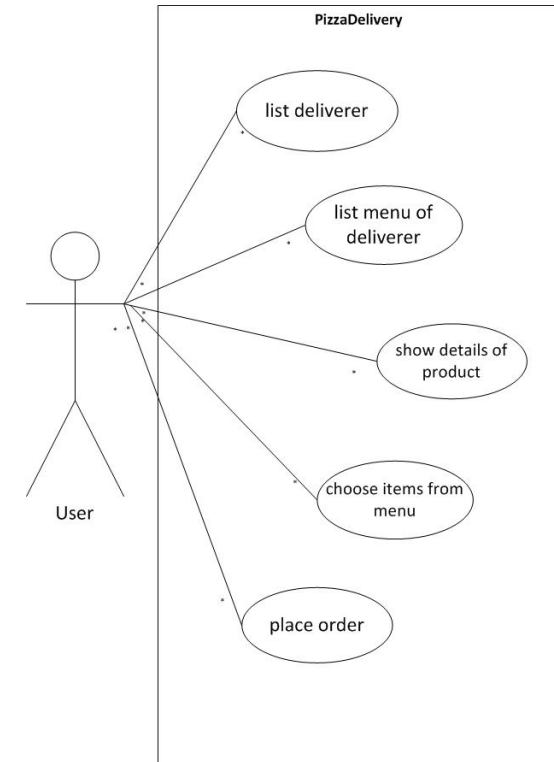


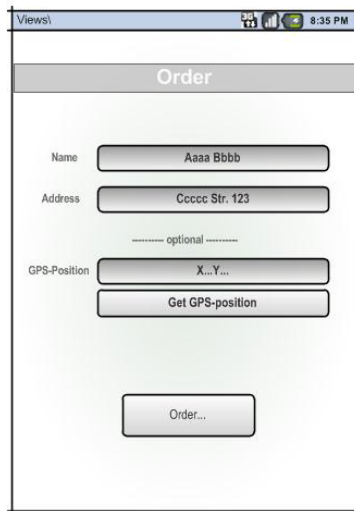
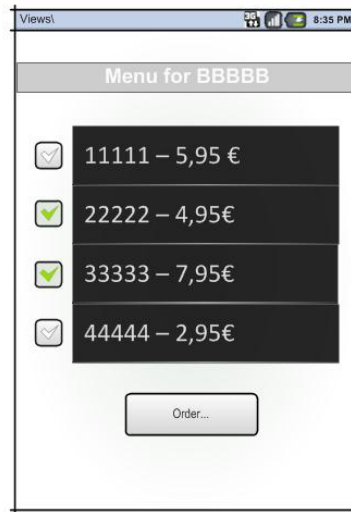
Application Development for Mobile and Ubiquitous Computing

Seminar Task First Presentation

GroupNo.3
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- order Pizza from different delivery services
- customer can choose delivery service that fits him
- can order from the Menu of the delivery service
- ability to plate his own pizza in GUI
- delivery service can send pizza to GPS coordinates or at predefined location
- system shows time till pizza should be delivered
- maybe mobile payment



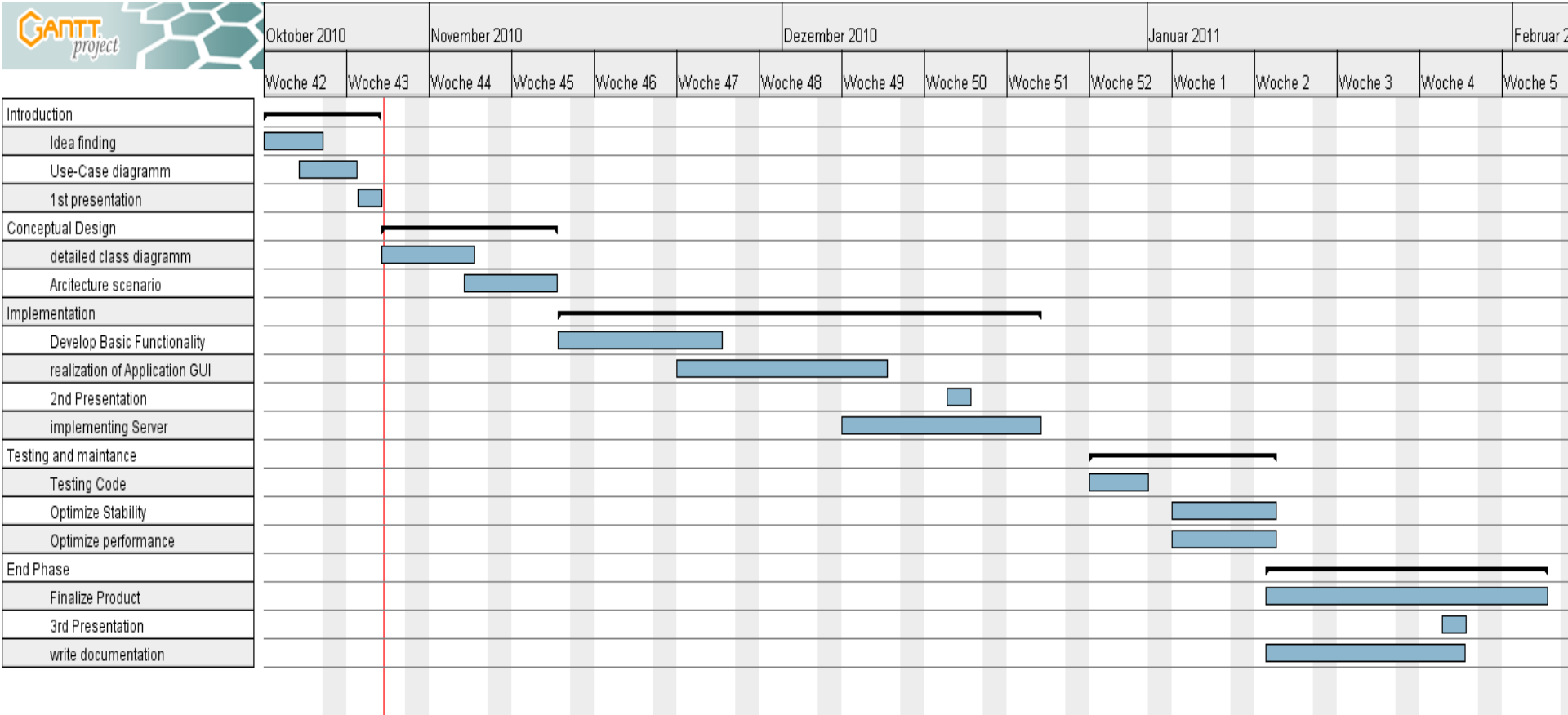


- server
 - MySQL database
 - Web Services (SOA) with Apache Axis
 - runtime environment using Apache Tomcat

- client
 - Android 2.1

- connection via GPRS/UMTS/WLAN

- bandwidth limitations
 - send all needed data to the mobile device
 - cache on phone
 - update only if needed
 - downscale images to reduce data volume
 - use thumbnails to preview
- usability
 - drag and drop ingredients on the Pizza with native gestures
 - adopt GUI to small screen
- device challenges
 - limitation of resources
 - process received data in time



- intend to use Client/Server architecture
 - access server through Web Service using SOAP
 - need a database to hold our data
 - client runs on mobile device with android operating system

