



Application Development for Mobile and Ubiquitous Computing

Seminar Task

Second Presentation

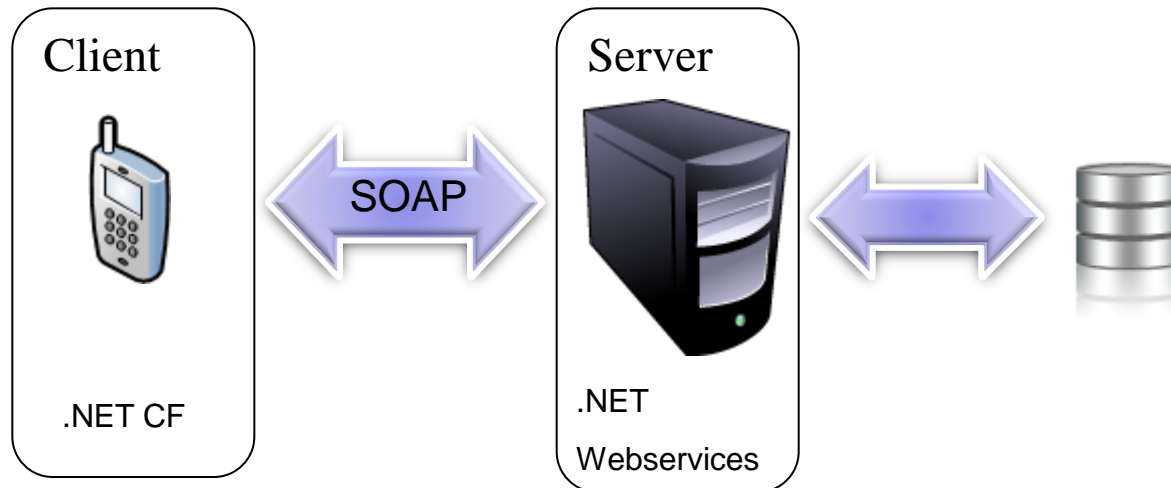
GroupNo 4

Team: Chen Xiaoyu, Oscar Albrecht

- Supermarkets!!!
- Small local storage, but big central storage
- The store has to require items to the central storage and these must be selected and sent
- Workers in the central storage receive a list of items regarding each request, select all the items and send it to the requesting store

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- How to do it?
 - Mobile devices using a .NET application and wireless LAN connection
 - Servers running .NET WebServices
 - Database
 - SOAP for communication between client and server



- OUR PROTOTYPE!!

- Mobile devices restrictions due to:
 - Small screen
 - So we want to keep the information simple
 - Maximize usability
 - Few “required” button to perform a task
 - Some “optional” buttons to make the task easier
 - For instance number buttons to avoid using the keyboard
 - Colors to distinguish buttons so the user does not need to read
 - Low processing power (to process big lists coming from the Web Services)
 - Simple information to process
 - WP7 architecture supports only SOAP messages, that is bad ☹
 - Data security/safety regarding transmission and use of the device by others
 - Use of certificates

- Finish the implementation of the „basic“ features
- New features (optional)
 - Reports (in a non-mobile application)

Date	Activity
30.10.2010	Learning
15.11.2010	Setting up the Environment
30.12.2010	Connection of client with server
15.12.2010	First Prototype
17.12.2010	Second Presentation
10.01.2010	Creation of webservice logic
20.01.2011	Client UI and logic
	„security time“
28.01.2011	Final Presentation
04.2.2011	Submission