Project-Presentation

RFID Rallye

Aachen, 19.10.2009
Agenda

- Company Information bureau42
- Background
- The project: RFID-Rallye
  - Idea
  - Procedure
  - Conditions / Requirements
  - Competencies
Company Informations
- bureau42 -

**Foundation:** Founded in June 2002
Spin-Off of the Fraunhofer Instituts FIT
Awarded: Gründerwettbewerb Multimedia des Bundeswirtschaftsministers 2002
Since autumn 2005: 100%-Sister of Humance AG

**Business Content:** Technologies and services for e-learning with special emphasis on authoring technologies.
Gear organizational processes and innovative technologies to holistic approaches.

**Management:** Dr. Roland Klemke
Uwe Fischer

**Location:** Köln
Background

- Previous Project with the aspect of „mobile maintenance“ with RFID-readable Windows Mobile Clients

- Adding a learning component for helping new employees getting to know their working environment

- Solution: mobile learning game
The Project
- Idea -

- Equip a site with RFID chips
- Players get mobile Clients for find and read the RFID chips
- Every chip delivers a task with effect on the game
- Winner is the team with the most points
The Project
- Procedure -

1. Elaboration of the game concept

2. Development of a backend-solution that can create games (tasks) and rewrite the RFID-chips

3. Development of the client game component, which can scan RFID-chips and handle different tasks
The Project
- Conditions / Requirements -

- You get:
  - 2 mobile devices with RFID-readable functionality
  - A couple of RFID-chips

- Modular building, so that RFID could easily replaces by other techniques

- In general: Open-source technology is preferred
  - Client: The application should work on- and offline, Java-based
  - Backend: Web-based and as server Tomcat
The Project
- Competencies -

- Developer
  - Description/construction of workflows
  - Object-Oriented Design and Implementation
  - Database Design

- User Interfaces Designer
  - Flexible Graphical Design
  - Usability
Thank you!

Questions?