

Distributed Software Development

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SafeShopper Project vision

Team

- Development team members:
 - Juraj Murgić – project leader
 - Trevor Jagerfield – team leader
 - Saša Marjančić
 - Želimir Kompes
 - Fouad Yaseen
 - Xiaowei Ma
- Supervisor:
 - Marin Orlić

Mission

- Protect the people who buy food
 - Warn them if the product is harmful
 - Contains substances that are harmful
 - Contains substance that can cause allergies
 - Inform them about
 - Manufacturer
 - Contents
 - Quality
 - Shopping advice

Users

- Primary
 - People who are careful about what they buy
 - Parents with young children
 - People with special needs (allergies and illness)
 - People who try to eat healthy
 - People who try to buy quality products
 - Athletes or people on a diet
 - People in the EU

Users

- Secondary
 - Android phone users
- Age: 12-55

Functionality

- **Product search**
 - By barcode
 - By name/manufacturer
- **Product details**
 - Basic information
 - Content
 - Warnings and suggestions
 - Product reviews (Quality)

Functionality

- Shopper profile
 - List of things that are potentially harmful for him

Optional functionality

- **Helpful shopping functionality**
 - Information on things to avoid when buying
 - Product comparison
 - Shopping list / product report
- **User data gathering (crowd sourcing)**
 - Flag potentially harmful products

Data sources

- Product barcodes
 - UPC database
 - ProductDB.ORG
- Harmful products
 - RAPEX
- Product content
 - OPV

Key quality factors

- Information
 - Informative
 - Accurate
 - Up to date
 - Official data sources
- Usage
 - Intuitive
 - Fast response time (< 10 s)

Implementation

- Three - tier architecture
 - Client layer (Android phone)
 - Java
 - XML
 - Server layer (Java based server)
 - Java
 - Linux
 - Data layer
 - MySQL

Work delegation

- Client side
 - Želimir, Fouad
- Server side
 - Saša, Juraj
- Data gathering
 - Trevor, Xiaowei Ma

Consultants

- Application functionality
 - Marko Paripović (Udruga za zaštitu prava potrošača „Potrošački centar“)
 - Nela Kovačević (Savez udruga za zaštitu potrošača Hrvatske)
- Application domain information
 - Siniša Bošković (dr. internal medicine)

We left out

- Other languages
- Other types of products
- Price comparison
- Suggestions on places where to buy
- Suggestion to buy similar products

Potential risks

- Implementation
 - Data
 - Accuracy
 - Completeness
 - Integration
 - Response time
 - < 10 sec
- Organization
 - Keep team members informed

Questions?