

Distributed Software Development



2013-01-15



1



MÄLARDALENS HÖGSKOLA



E-HEALTH SERVICE

Final Presentation

Stefania Pezzetti
Marko Kelava

The E-Health team is:



2013-01-15



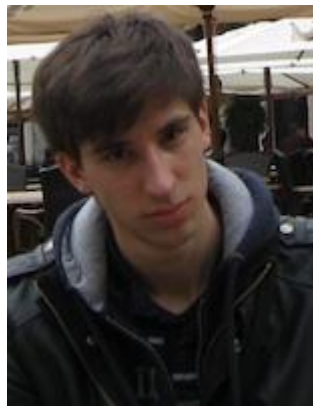
3



MÄLARDALENS HÖGSKOLA



Raffaela



Gregorio



Stefania



Petar



Bojan



Tomislav



Vedran

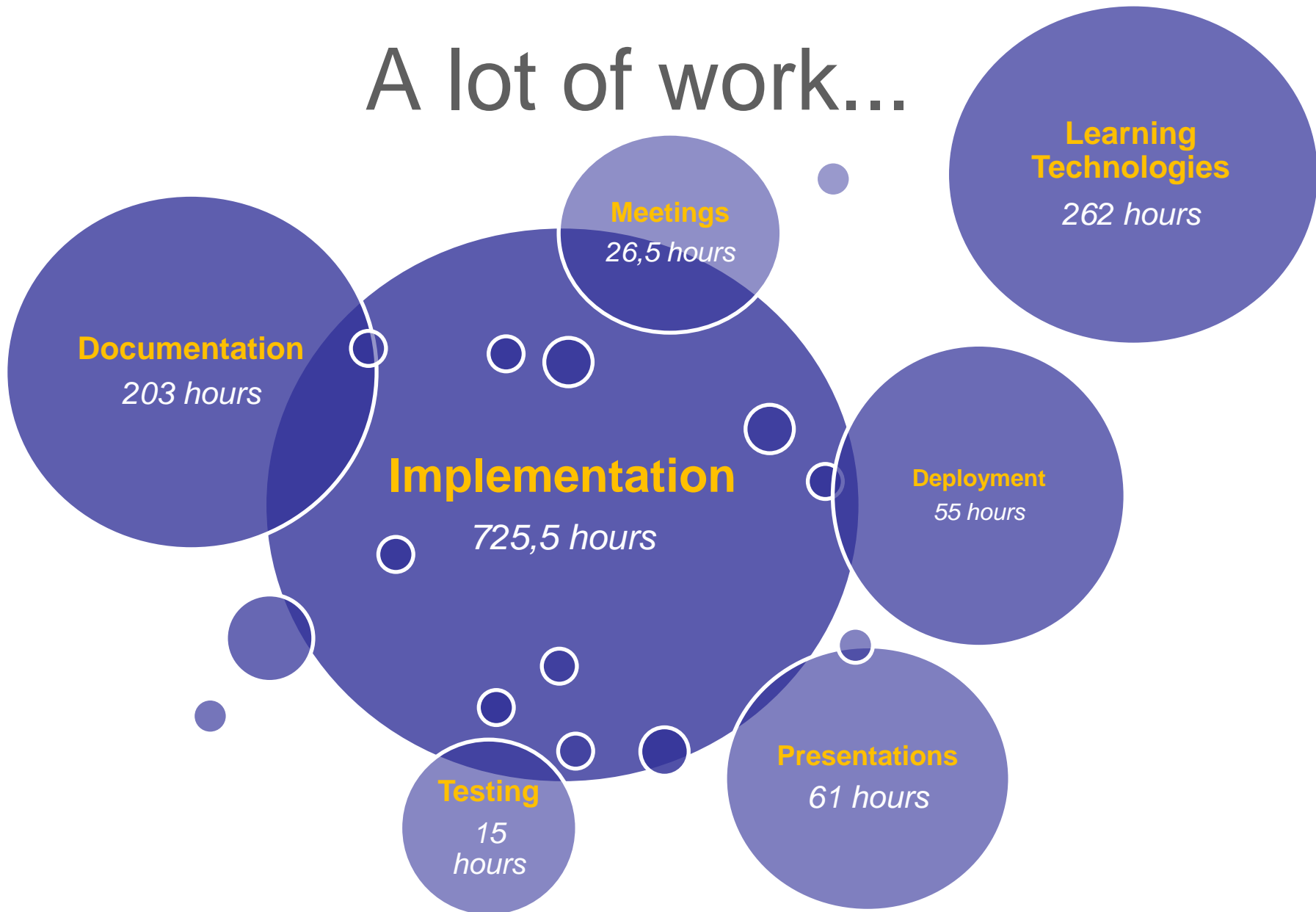


Marko

Outline

- Project work summary
 - Working Hours and statistics
 - Requirements and statistics
- Experiences from the project
 - Positive, negative and social aspects
 - Communication
 - Methodology
- Requirements and design
 - Technologies
 - Achievements and failures
- Live Demo

A lot of work...

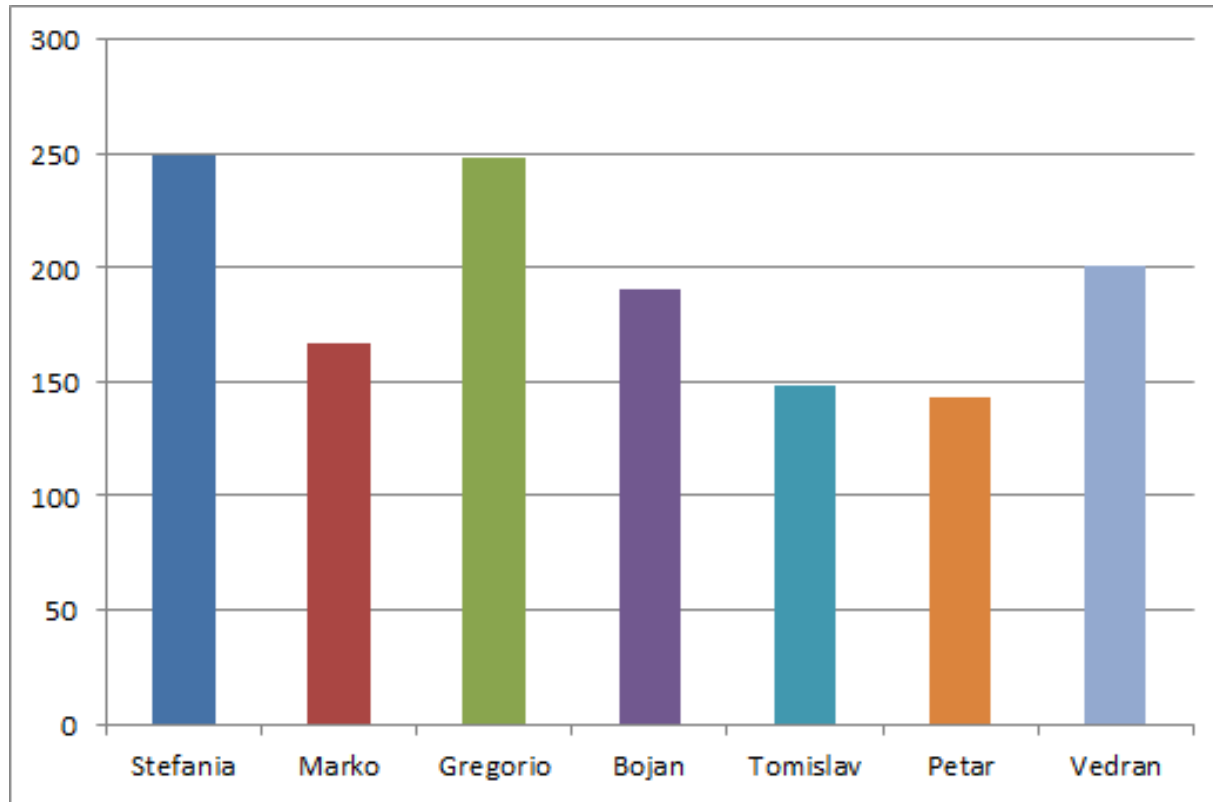


1348 TOTAL HOURS

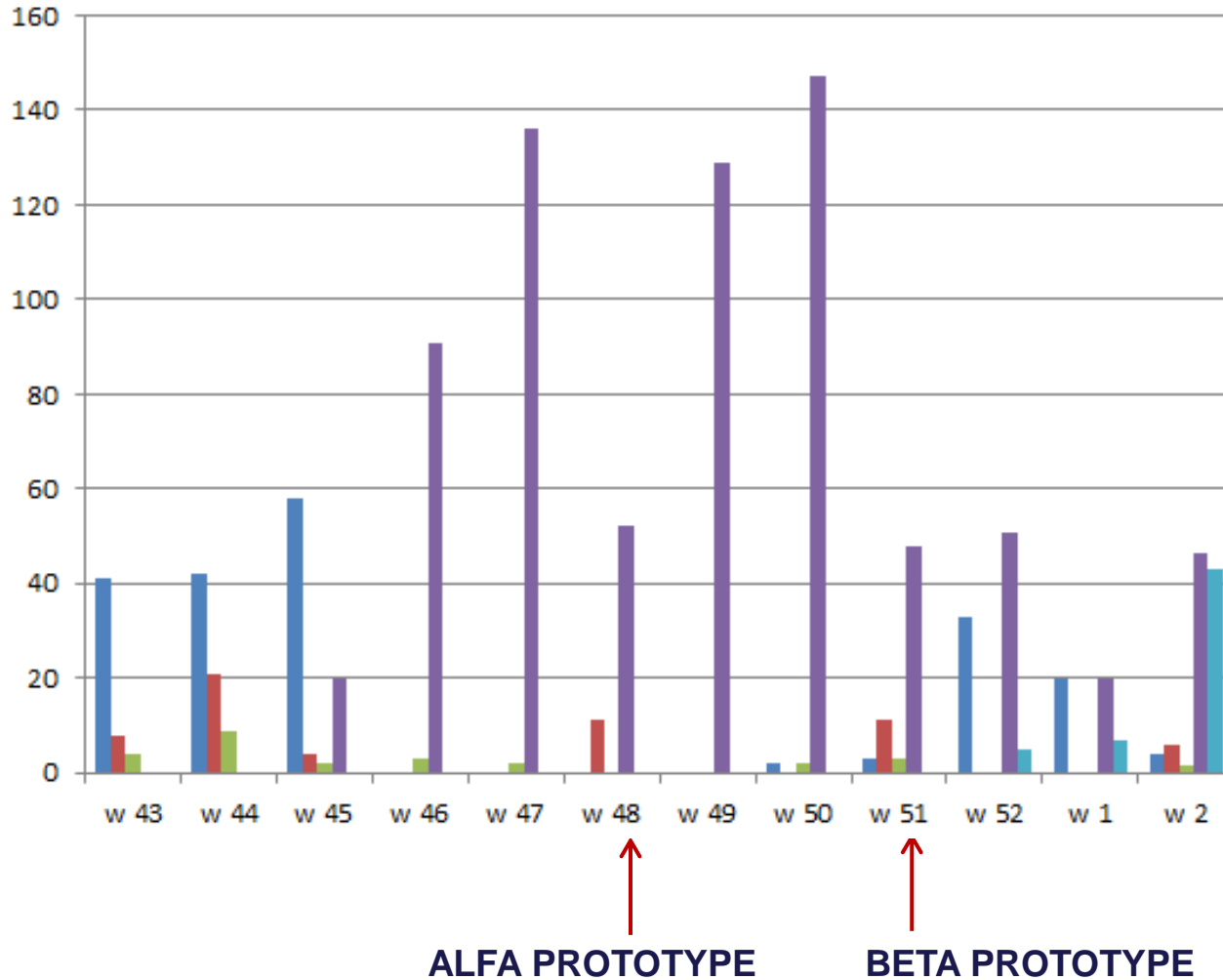
2013-01-15



Member's working hours



Work Flow



Milestones and Deliverables

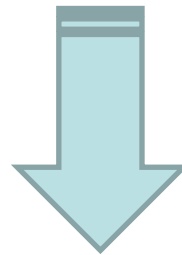
- ✓ Requirements Definition
- ✓ Design Description
- ✓ Alpha Prototype
- ✓ Beta Prototype
- ✓ Acceptance Test Plan
- ✓ Test Report
- ✓ SUMMARY WEEK REPORTS AND PRESENTATIONS



Requirements Data



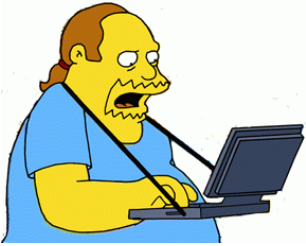
3	2	10	6	6
Admin	Outside Users	Doctors	Patients	First Aid



4	2	11	6	4
Admin	Outside Users	Doctors	Patients	First Aid



Requirements LOG



Administrator can change his password 😊

Patients can't change their personal information 😞
But they can change their login password, after
receivng a registration confermation email from
the system 😊



First aid can't see alarms from system 😞

First aid can see a map with patient position 😊

Doctors can change patients personal information 😊



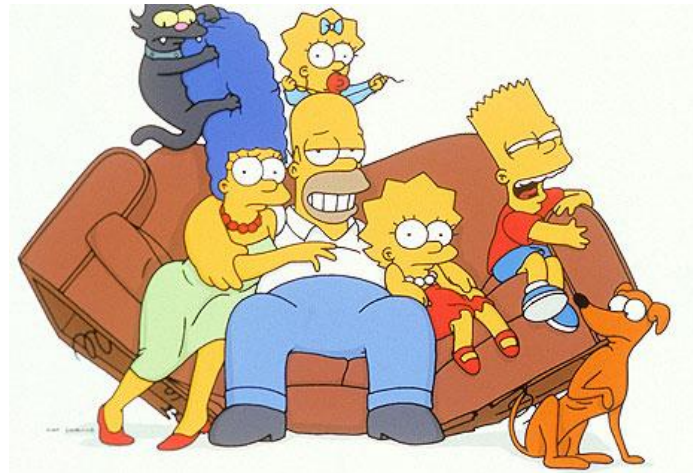
Experiences from project

- Positive:

- Learning new technologies
- Learning how to work in a distributed environment
- Getting to know better how much pressure we can take before we start to break 😊
- „Real life” experience



- **Negative:**
 - Bad first impression
- **Social:**
 - Improving team spirit
 - Making new friends
 - Learning cultural differences



Communication

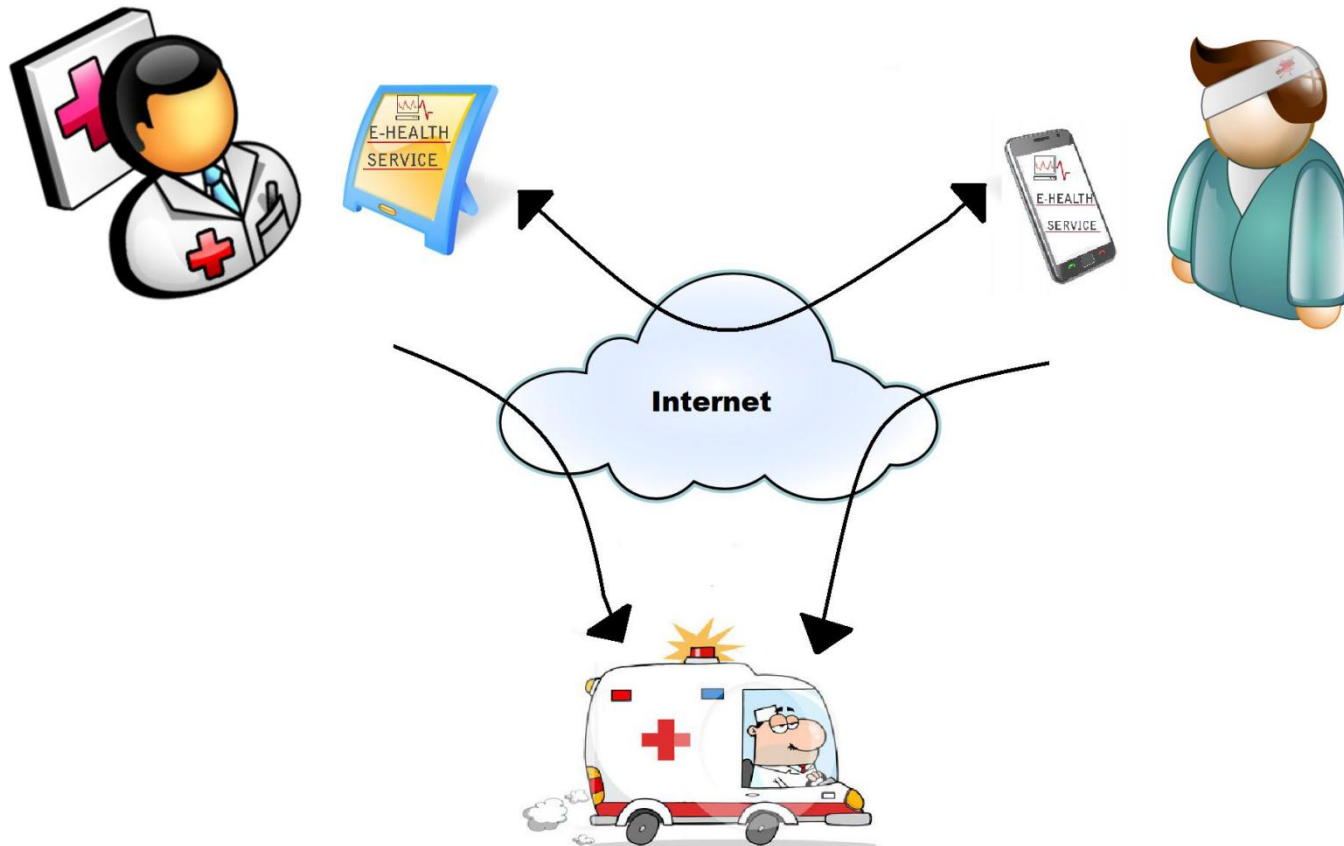
- Regular group meetings and individual collaboration (Skype)
- Google groups, Gtalk, Google Drive
- E-mails
- Phones
- SVN

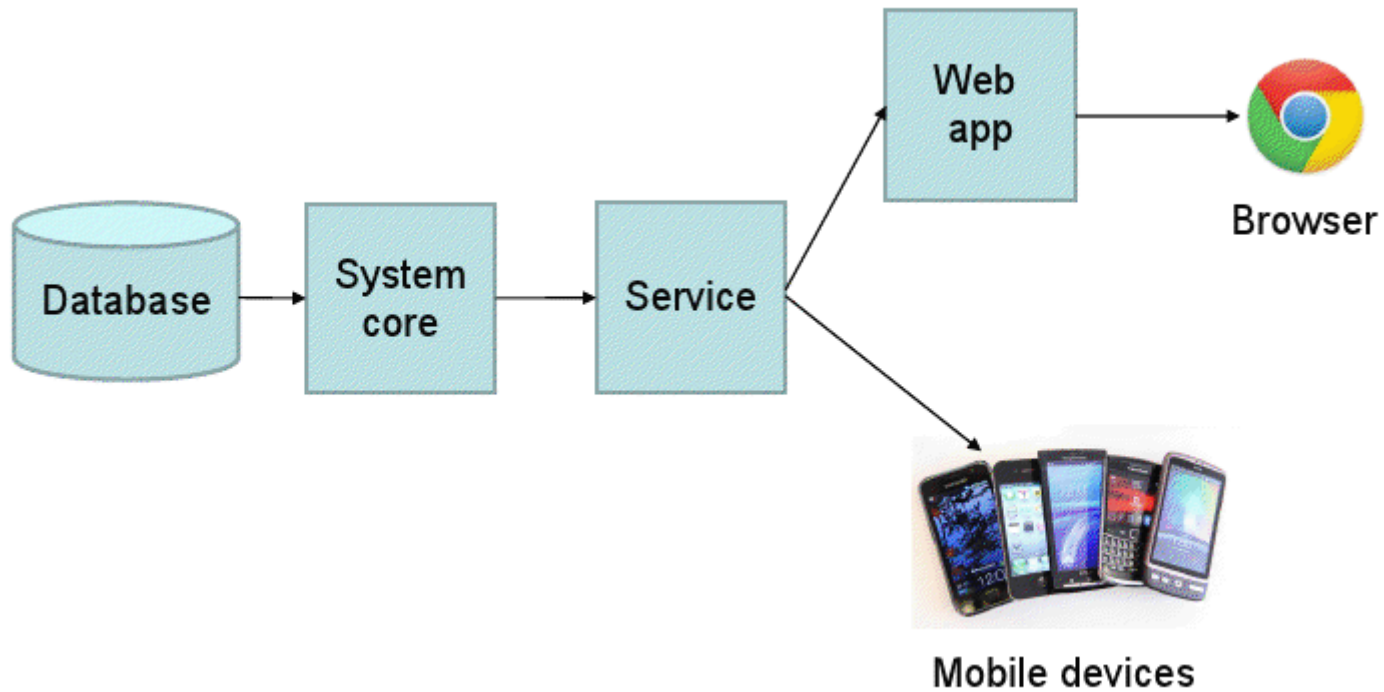


Methodology

- RUP – proved appropriate
- Flexible development
- Everything went as planned
- Problems:
 - Switching to database
 - JSON parsing
 - Deployment

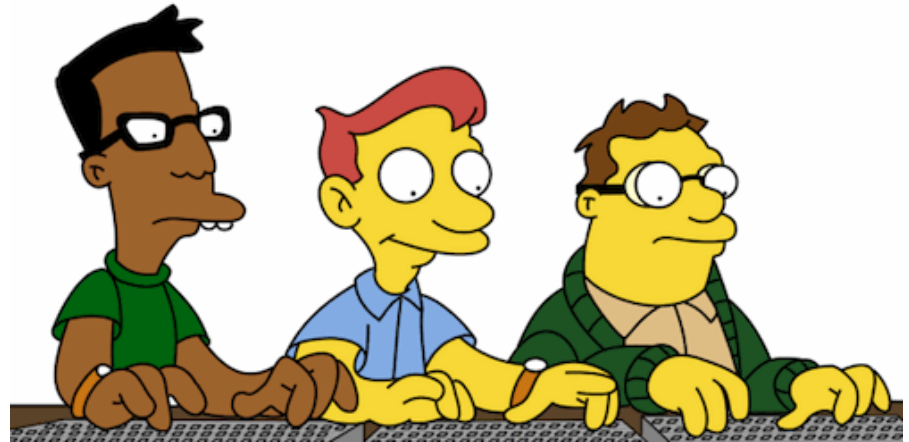
Requirements and design





Technologies

- C#, .NET 4.5
- MS Visual Studio 2012, MS SQL Server 2008
- Eclipse + Android SDK
- WP8 SDK
- MVC 4, EF

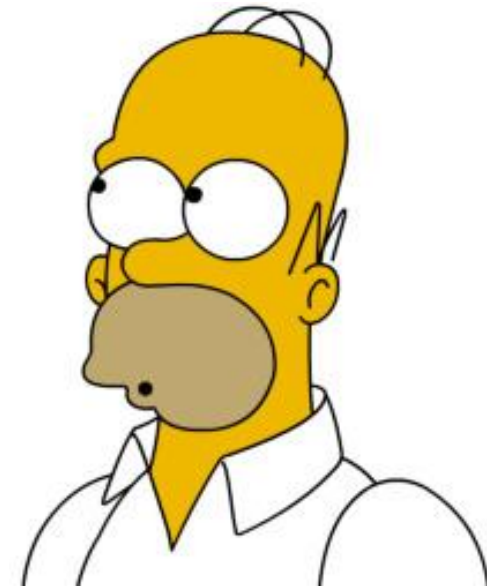


Achievements and failures



- All requirements fulfilled
- On schedule


- WP not fully functional
- Not everything done exactly as we planned, we used some workarounds



Live Demo

Username

Password

 Download for **Android**

 **E-HEALTH SERVICE**



live
DEMO
↓

Thank you for your attention!



Any questions?