

# Distributed Software Development



2012-12-19



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MÄLARDALENS HÖGSKOLA



E-HEALTH SERVICE

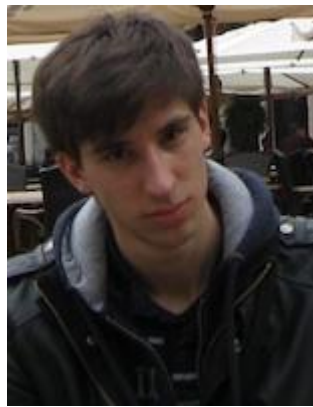
# The Beta Prototype

Bojan Kosanović

# The E-Health team is:



Raffaella



Gregorio



Stefania



Petar



Bojan



Tomislav



Vedran



Marko

# Contents

- Project status
- System functionality
- Problems
- Statistics
- Cultural differences
- LIVE DEMO (Petar)

# Project status

- Ahead of schedule
  - all requirements for the beta version accomplished
  - Windows Phone 7 App (optional requirement!)
  - repositories now use a database for persistence instead of files (planned for the final release!)



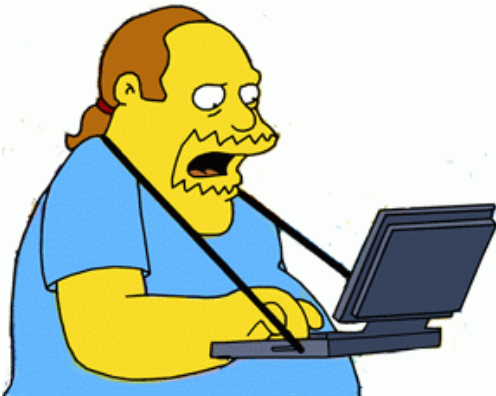
# System functionality

# Outside users



Version	Requirement
ALPHA	Check doctors' public information
FINAL	Download doctor's public information as PDF

# Administrator



Version	Requirement
BETA	Add and delete doctors
BETA	Change the login password for the first aid
FINAL	Change his login password





# Patients

Version	Requirement
ALPHA	Each patient has exactly one assigned doctor
ALPHA	Send an alarm to the first aid (mobile application)
BETA	Update current location by inputting an address
BETA	Input a measurement of vital parameters
BETA	Change his login password

# Doctors



Version	Requirement
ALPHA	Edit his public information
ALPHA	Add and delete patients
ALPHA	Add, update, delete notes from a patient's med. record
ALPHA	Send an alarm to the first aid
BETA	Attach images to medical notes
BETA	Change his login password
BETA	Edit patient's personal data
BETA	Define patient's mandatory vital parameters
BETA	For each patient's vital parameter set a normal interval
BETA	Input and delete measurements of vital parameters



# First aid

Priority	Requirement
ALPHA	Display alarms sent by patients or doctors
ALPHA	Delete received alarm from patients or doctors
BETA	Show read and unread alarms differently
BETA	Automatically fetch new alarms
FINAL	Get alerted when the system recognizes an unusual alarm activity
FINAL	Delete received notifications for unusual alarm activities

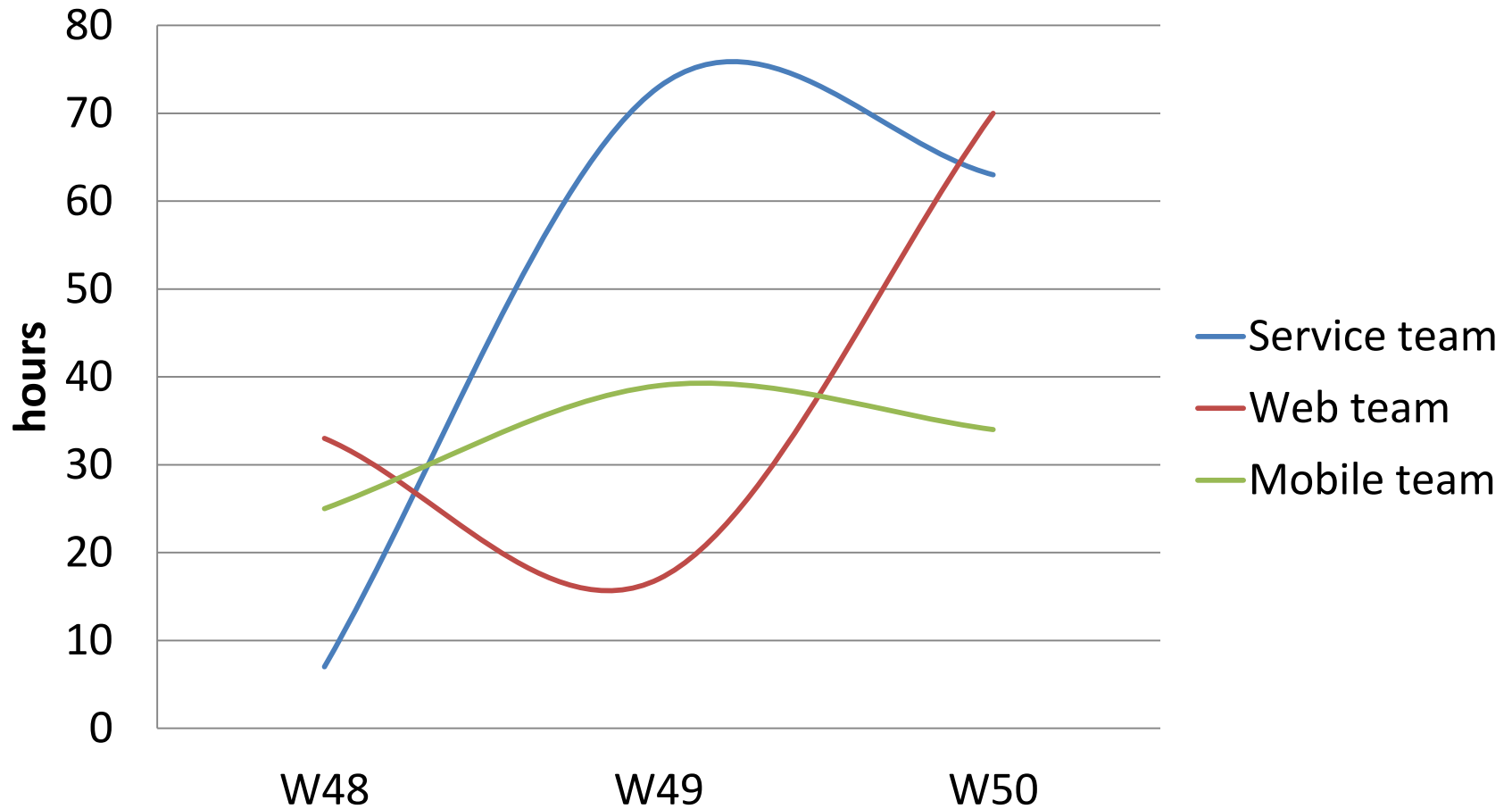
# Problems

- Replacing file repositories with database repositories
  - .NET Framework 4.0 + Entity Framework 4
  - forced to upgrade to Visual Studio 2012

# Working hours

Member	Alpha	Beta	Alpha + Beta
Bojan	84	73	157
Gregorio	130	58	188
Marko	150	32	137
Petar	40	47	87
Stefania	123	62	185
Tomislav	84	38	122
Vedran	108	51	159
<b>Total</b>	<b>673</b>	<b>361</b>	<b>1034</b>

# Working hours – subteams



# Communication

- **Google Group:** 53 new posts
- **Individual chat:** 20,870 new messages
- **Group chat:** 3855 new messages



# Cultural differences

- Croatia

vs

Italy





# Live demo



# Questions



# References

- [1] <http://www.homersimpson.cc/images/grabpics/townspeople/sea-captain-1.jpg>
- [2] <http://images2.makefive.com/images/entertainment/television/best-simpsons-character/comic-book-guy-7.gif>
- [3] <http://amysmusings.files.wordpress.com/2010/01/grampa41.gif>
- [4] <http://www.homersimpson.cc/images/grabpics/townspeople/dr-hibbert-2.jpg>
- [5] [http://images1.wikia.nocookie.net/\\_cb20120509073413/simpsons/images/5/5e/Dr.\\_Riviera.png](http://images1.wikia.nocookie.net/_cb20120509073413/simpsons/images/5/5e/Dr._Riviera.png)
- [6] <http://www.jacksonpartners.co.uk/wp-content/uploads/2012/06/green-question-mark11.jpg>