



hoopstats

Final Project Presentation

Andreas Köhle

Armindo Simões

Dino Blažeka

Predrag Filipovikj

Agenda



The Project

Requirements
and Design

Live Demos

THE PROJECT



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MÄLARDALENS HÖGSKOLA

Overall state of the product

- Customer requirements for applications fulfilled!
 - New web application and android app
 - New visualization
 - Flexible querying
- Requirements for the course => we will see about that 😊

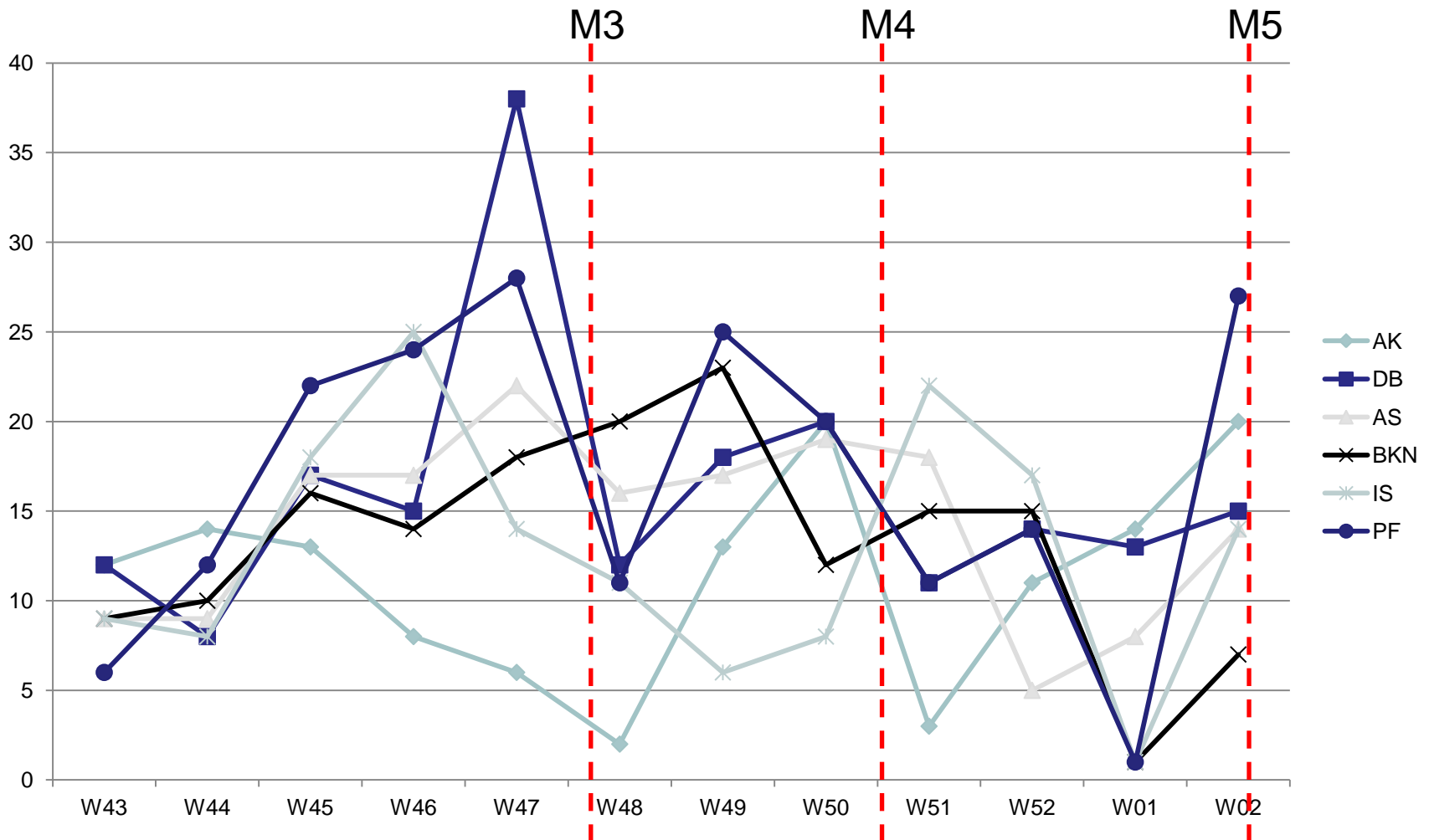


The Project in Numbers

- Total Hours done:
 - 1014 Hours
- LoC:
 - 302974 (Android App + Web App)
- Skype Team Meetings:
 - 31 Meetings 26 Hours
- Emails written:
 - 523

01234
56789

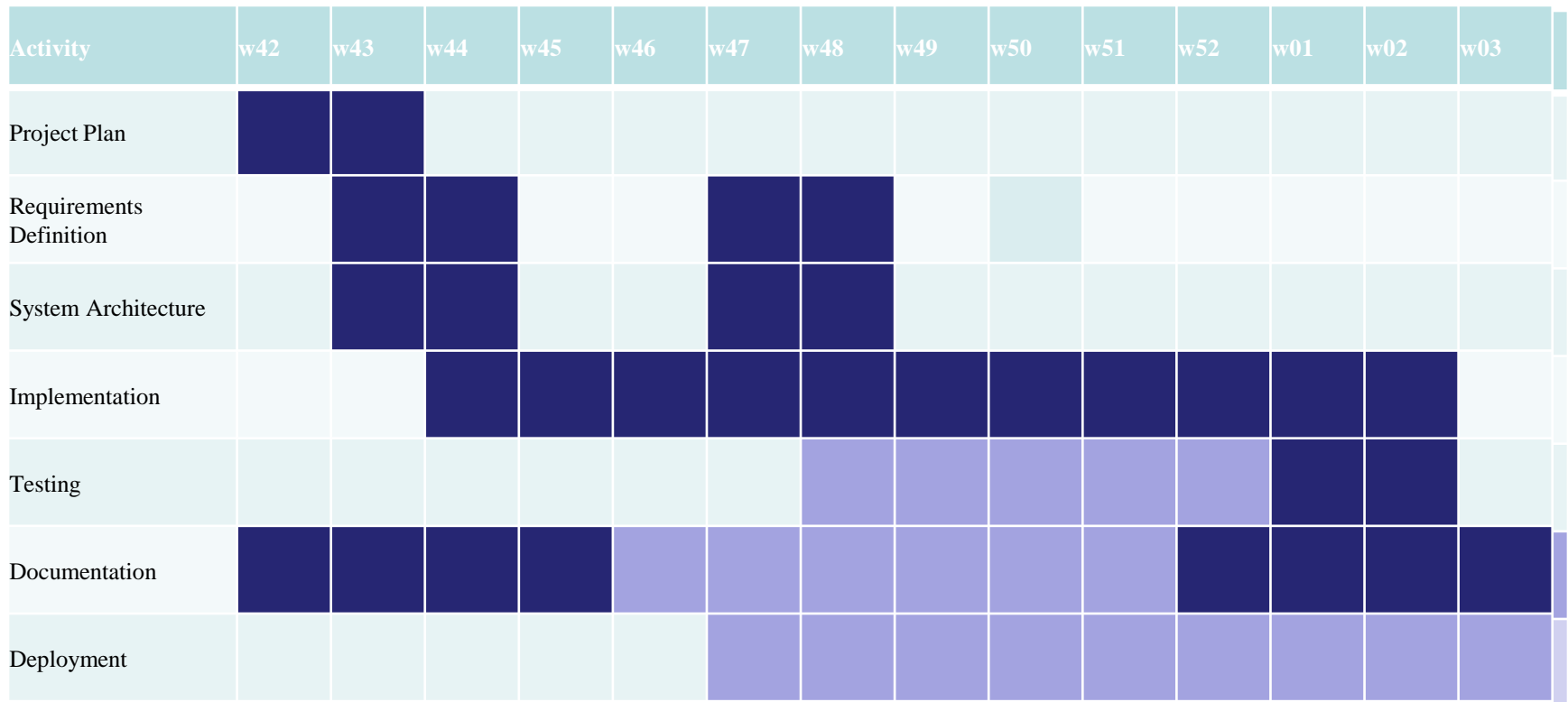
Working Hours Summary



Activities Planned

| Activity | w42 | w43 | w44 | w45 | w46 | w47 | w48 | w49 | w50 | w51 | w52 | w01 | w02 | w03 |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Project Plan | Dark Blue | Dark Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue |
| Requirements Definition | Light Blue | Dark Blue | Dark Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue |
| System Architecture | Light Blue | Dark Blue | Dark Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue |
| Implementation | Light Blue | Light Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Light Blue |
| Testing | Light Blue | Light Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Light Blue |
| Documentation | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue | Dark Blue |
| Deployment | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue | Light Blue |

Actual Activities



Some experiences

- Clear division of application parts important
- Direct and informal Communication very important!!
- Interest and roles have to match
- Different nationalities have different type of thinking



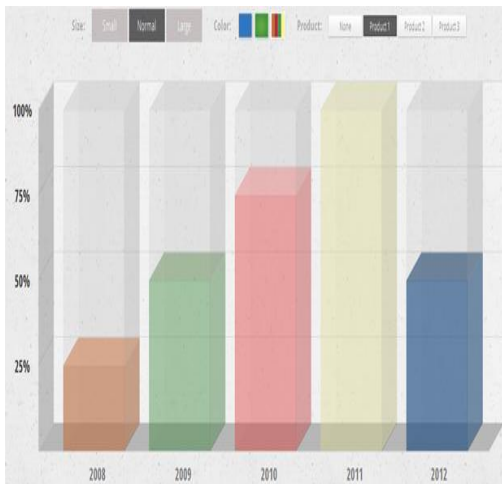
REQUIREMENTS AND DESIGN

General Requirements

- Visual representation of data
- Dynamic creation of queries
- Android application
- Integration of basketball statistics

Critical Requirements

- If we are unable to address the visual representation, our project might fail
- Usability is important



Resolution 5000 x3500 px - free download - www.psdgraphics.com

Architecture

- Basic project components
 - Microsoft SQL Server 2008 database
 - ASP.NET MVC 4 web application
 - Android native mobile application

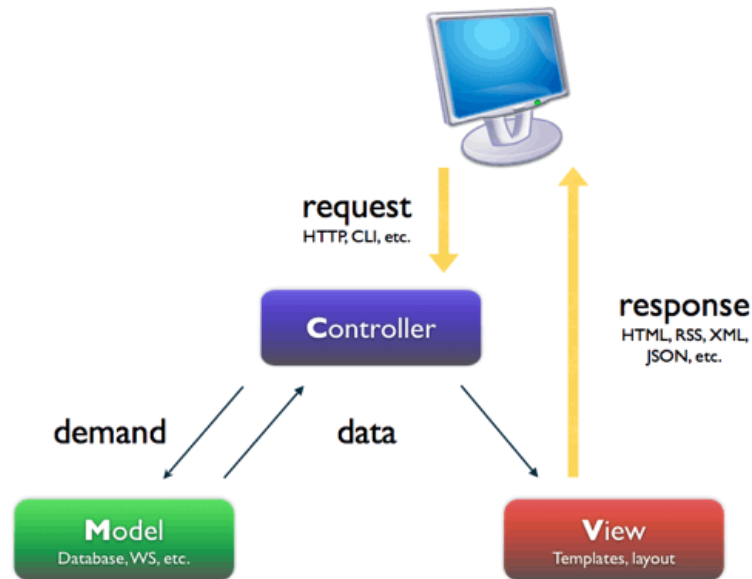


Design

- Database
 - Database will depend on available data
 - Design may change during the project
- Web application
 - MVC design pattern
- Mobile application
 - Android native app

Design

- MVC design pattern



Design

- Technologies and tools

- Development

- Visual Studio 2012
 - Microsoft .NET 4.5
 - Subversion

- Data layer

- Microsoft SQL Server 2008 Express
 - Microsoft SQL Server Management Studio
 - Entity Framework (OR mapping)

Design

- Technologies and tools
 - Web presentation layer
 - ASP.NET MVC 4
 - HTML / CSS
 - JavaScript
 - JQuery
 - Mobile application
 - Android SDK



- Last iteration nothing was added
- Focused on finishing our project

The Demos

