

NOTICE!

- These materials are prepared only for the students enrolled in the course Distributed Software Development (DSD) at the Department of Computer Science and Engineering, University of Mälardalen, Västerås, Sweden and at the Faculty of Electrical Engineering and Computing, University of Zagreb, Croatia (year 2012/2013).
- For all other purposes, authors' written permission is needed!
- The purpose of these materials is to help students in better understanding of lectures in DSD and not their replacement!

Distributed Software Development



10/29/12

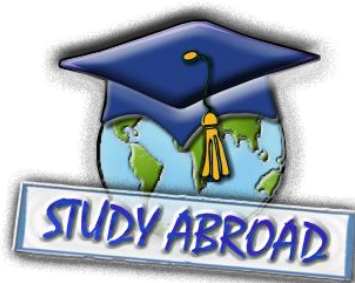


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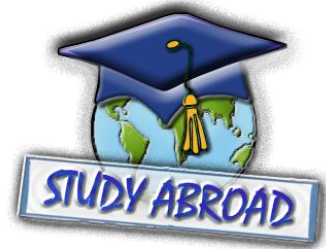
MÄLARDALENS HÖGSKOLA

Milan Čop
Alessandro Sisto

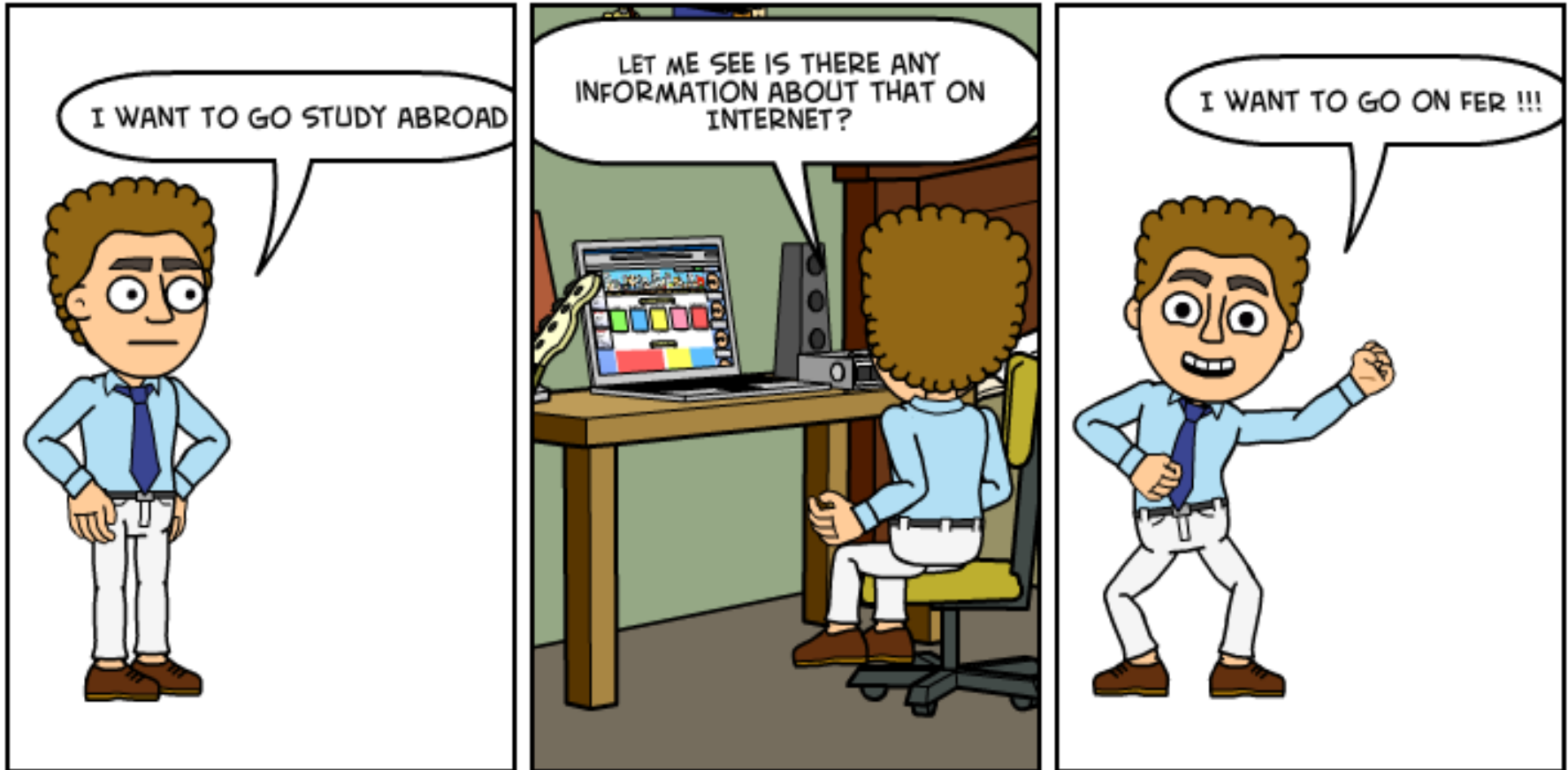
StudyAbroad Project Plan



Project overview



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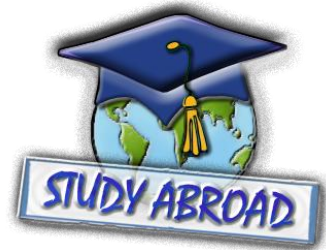


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MÄLARDALENS HÖGSKOLA

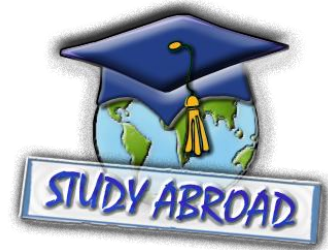
Project overview



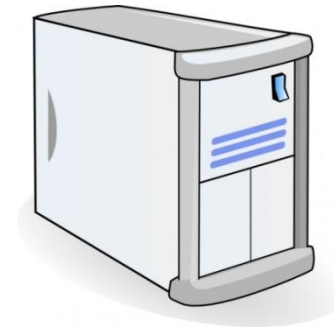
- Gathering data
 - Open data, parsing HTML ???
- Filtering collected data
 - Search options, User preferences
- Presentation of filtered data
 - Chart, Maps, Graphs



Work separation



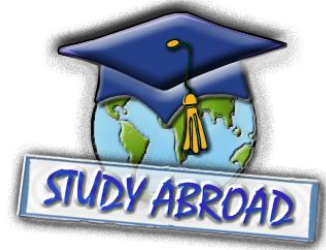
- FER team
 - Server side



- POLIMI team
 - Client side



Team member roles and responsibilities



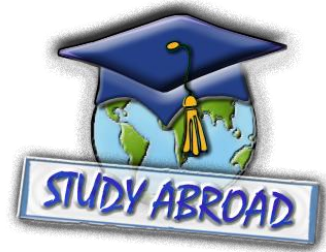
- Roles:

- Project Leader, Team Leader
- Documentation manager
- Lead developer, Developers
- Requirements manager
- Testing manager, Database manager
- SVN manager, Virtual machine manager
- Quality assurance manager, Risk manager



...

Team member roles and responsibilities



- FER local team

- Branimir Lochert – Project Leader

- Documentation manager, Risk manager, Developer (Server)

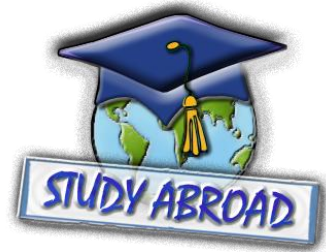
- Katerina Sekula

- Requirements manager, Quality assurance manager, Developer (Server)

- Milan Čop

- Lead Developer, Testing manager, Database manager

Team member roles and responsibilities



- **POLIMI local team**

- **Alessandro Sisto – Team Leader**

- Backup manager, User interface manager, Developer (Client)

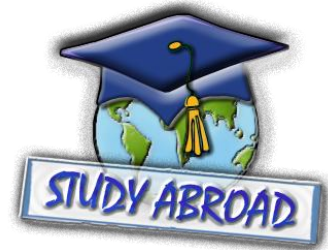
- **Javier Hualpa**

- SVN Manager, Data sources manager, Developer

- **Daniele Rogora**

- System architect, Virtual Machine manager, Developer (Client)

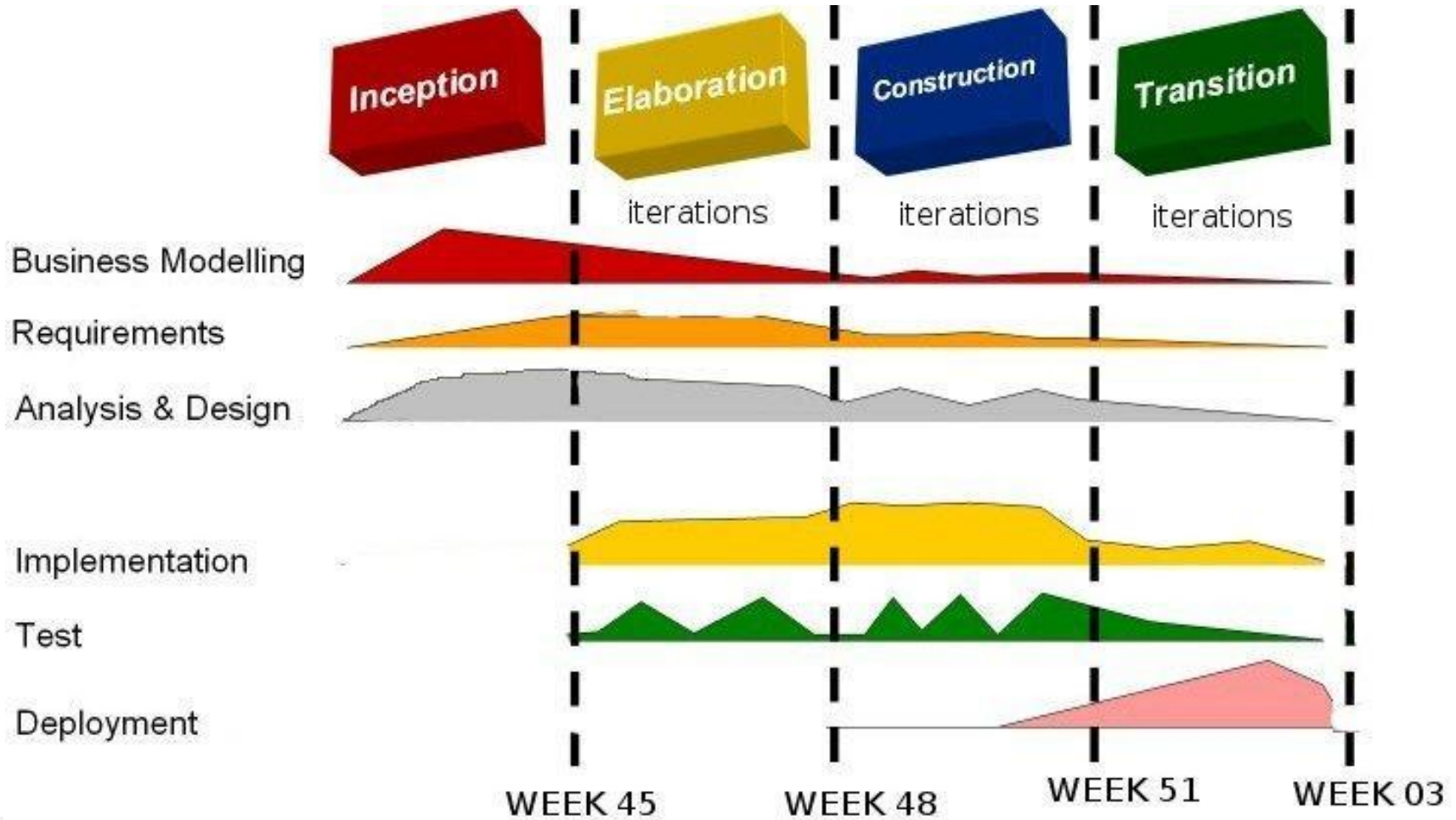
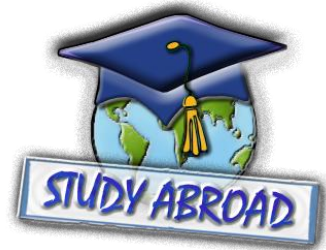
Development methodology



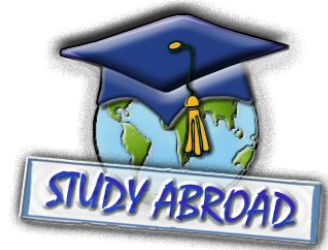
- Rational Unified Process – RUP
 - Iterative approach
 - Accurate documentation
 - Reduces risks

RUP

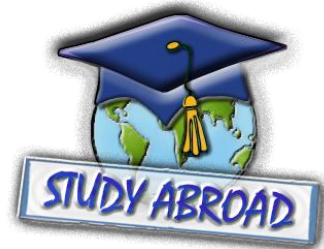
Development methodology



Deliverables



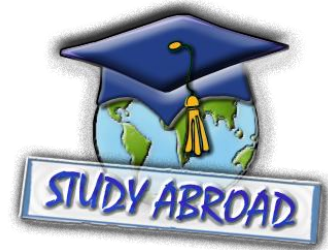
- Two different kinds of deliverable
 - External (Customers / Venture capitalist)
 - e.g. Project Plan, Design Document, ...
 - Internal (Team Members)
 - e.g. Svn Policy, Coding conventions, ...
- External Deliverables at alpha and beta milestone
 - e.g. GUI Mockup



Inputs

- **Feedbacks!**
 - **From Venture Capitalist / Customers**
 - at Alpha and Beta Milestones
 - **External Testers**
 - during testing phase

Risks



- High

- Requirements inflation
- Unrealistic schedules

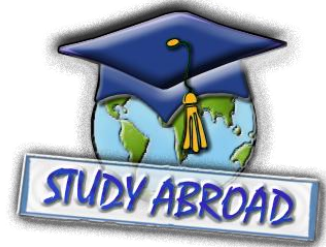
- Medium

- Lack of Technical skills
- Poor Productivity
- SVN Issues

- Low

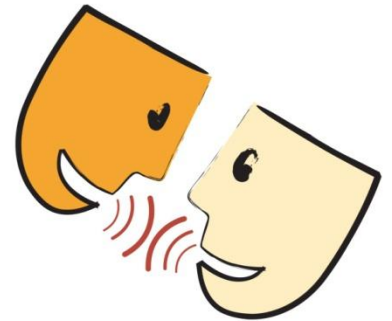
- Ineffective Communication
- Incorrect technology choice
- Personnel shortfall

Communication

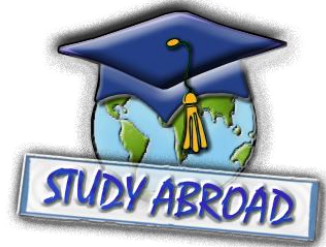


- Synchronous communication
 - Local meetings
 - Skype meetings

- Asynchronous communication
 - Email
 - Google group
 - Planbox



Activity Plan



| | w43 | w44 | w45 | w46 | w47 | w48 | w49 | w50 | w51 | w52 | w01 | w02 | w03 | w04 |
|--------------------------------------|------|------|------|------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----|
| Project roles defined | Red | | | | | | | | | | | | | |
| Requirements gathering | Red | Red | Red | Light Red | Light Red | Light Red | Light Red | Light Red | Light Red | | | | | |
| Acquiring data sources | Red | Red | Red | Light Red | | | | | | | | | | |
| Gathering data from data sources | | | | Blue | Blue | Blue | Light Blue | Light Blue | Light Blue | | | | | |
| GUI Design | | | | Blue | Blue | Light Blue | Light Blue | Light Blue | | | | | | |
| Filtering and Recommendation | | | | | | | Blue | Blue | Light Blue | | | | | |
| Google maps and Charts visualization | | | | | | | Blue | Blue | Light Blue | | | | | |
| Documentation | Grey | Grey | Grey | Grey | Grey | Grey | Grey | Grey | Grey | Grey | Grey | Grey | Grey | |
| Testing | | | | Light Grey | Light Grey | Dark Grey | Light Grey | Light Grey | Dark Grey | Dark Grey | Dark Grey | Dark Grey | Dark Grey | |

Questions?

