

# 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 2010/2011).
- 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

SmartCart Team

## Project Plan



# Outline

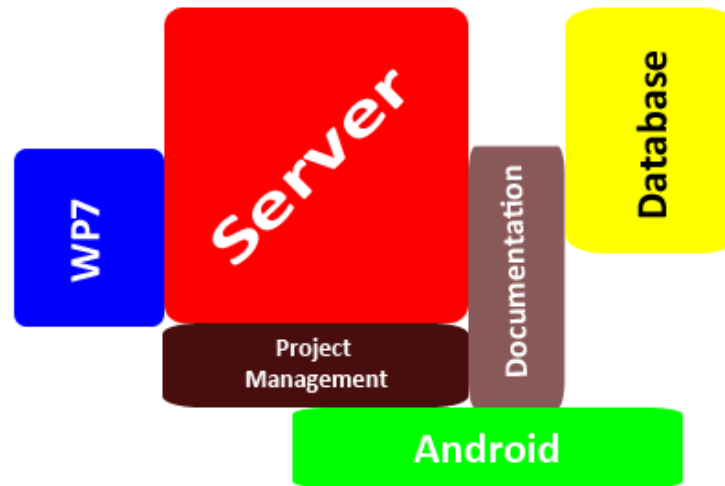
- Project overview
- Role mapping
- Development methodology
- Communication
- Deliverables
- Milestones
- Project risks
- Activity plan
- Financial plan



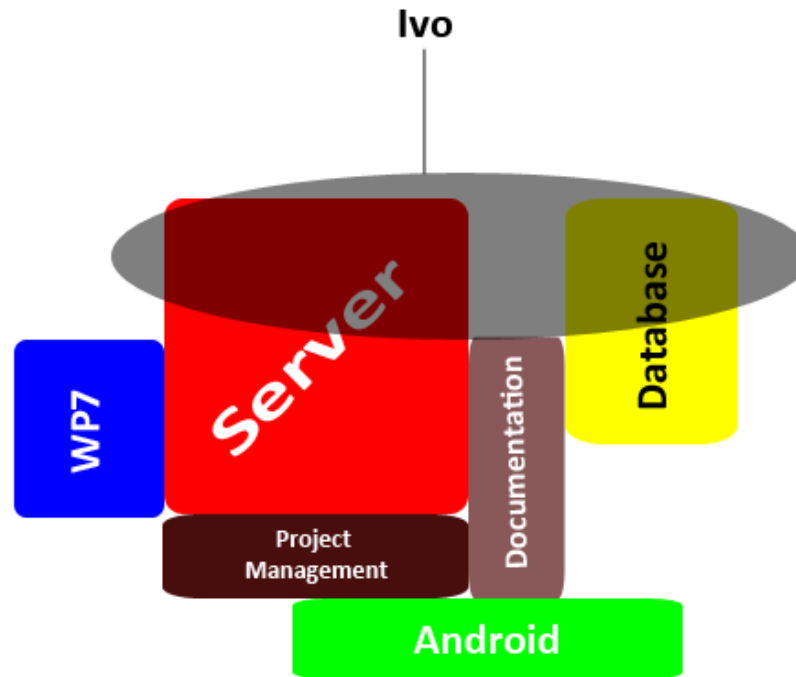
# Project overview



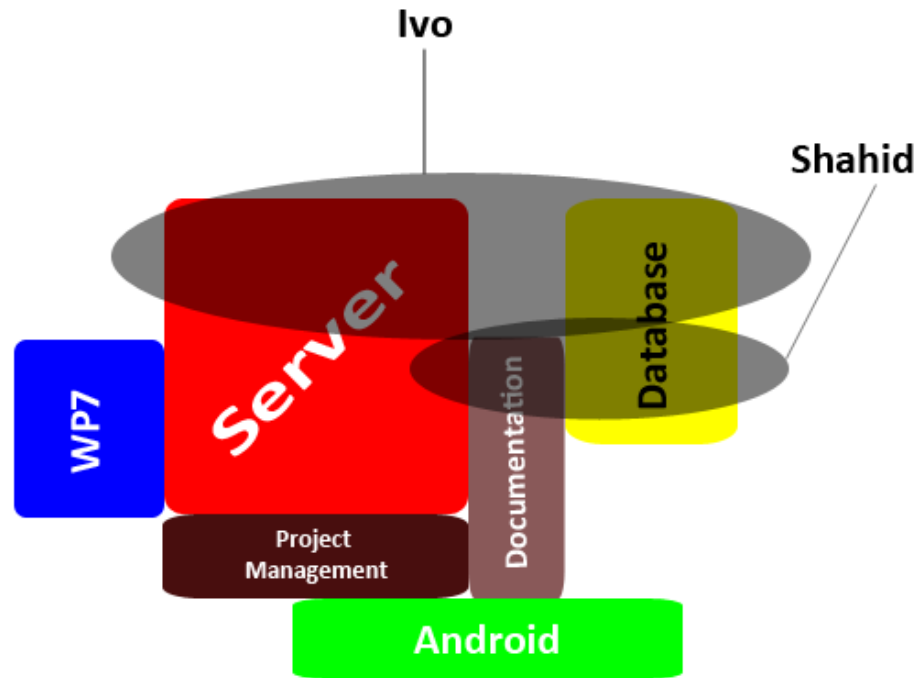
# Role mapping



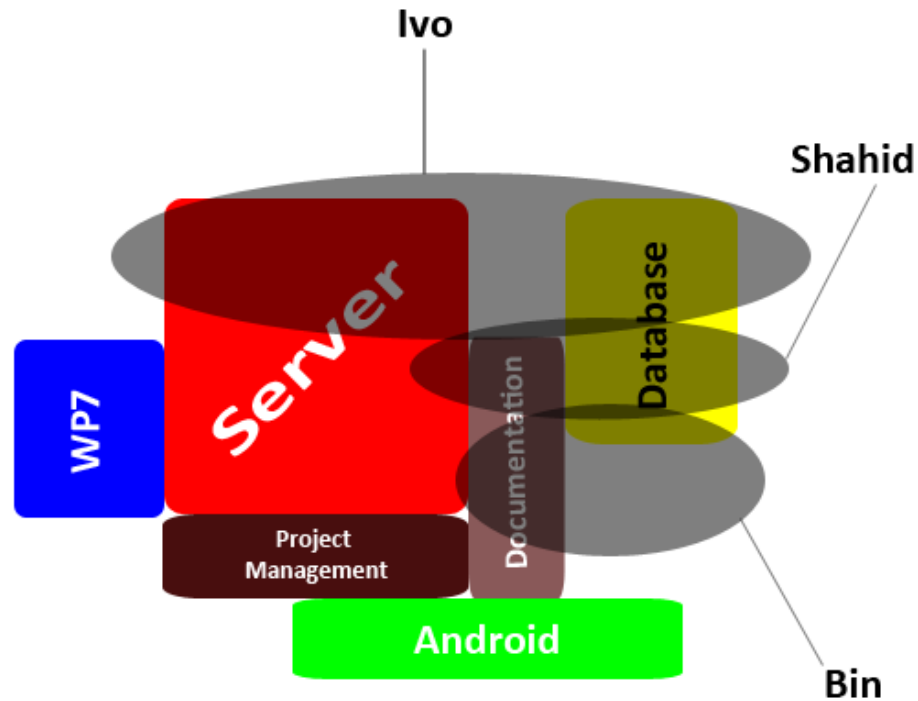
# Role mapping



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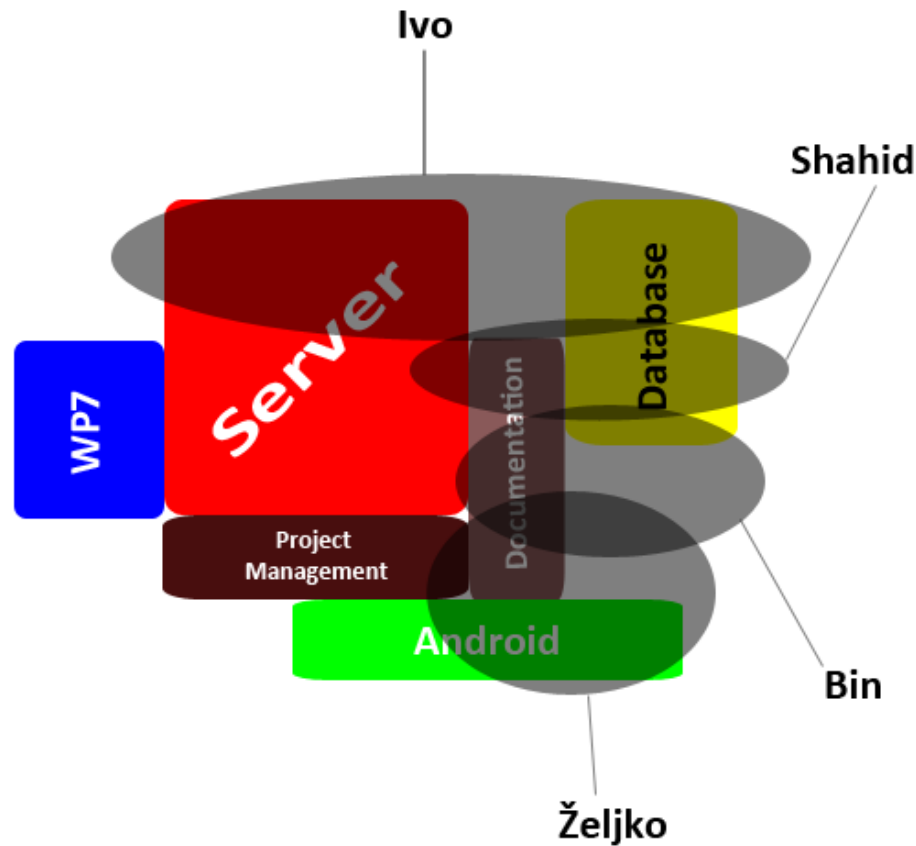


# Role mapping

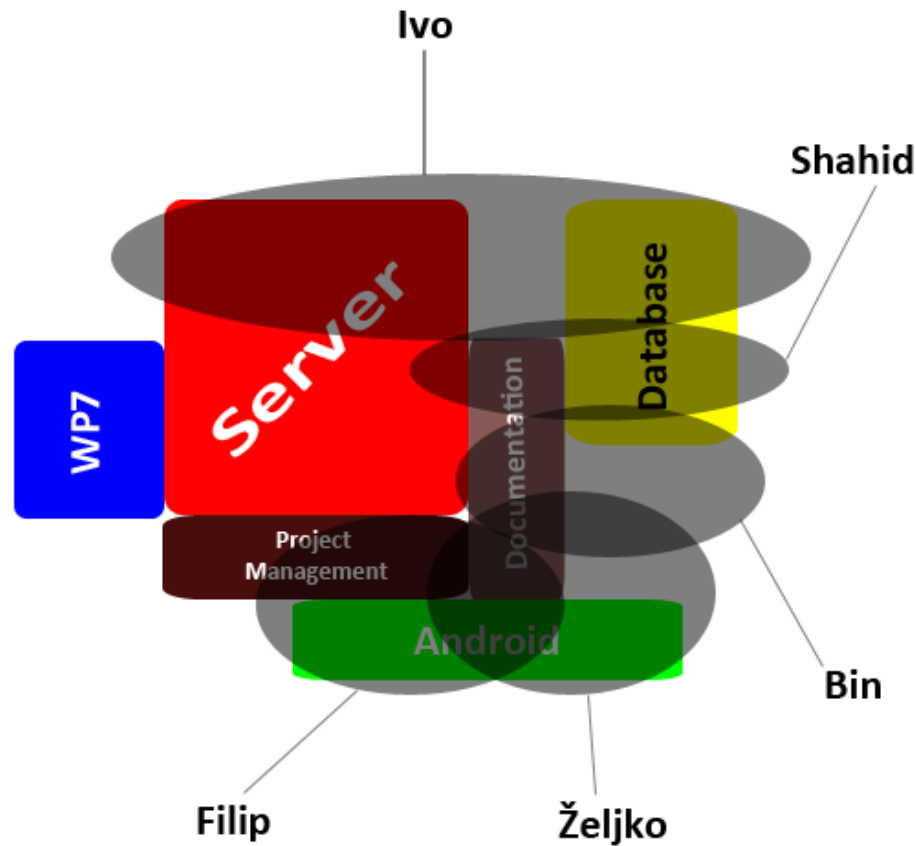




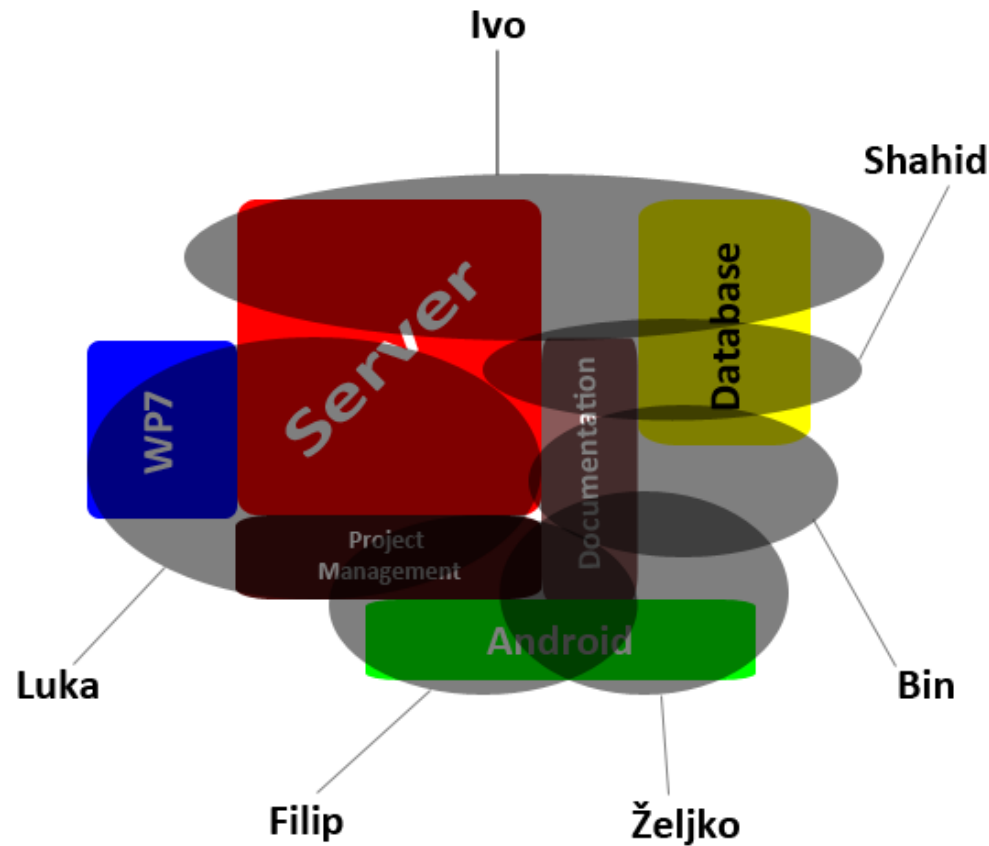
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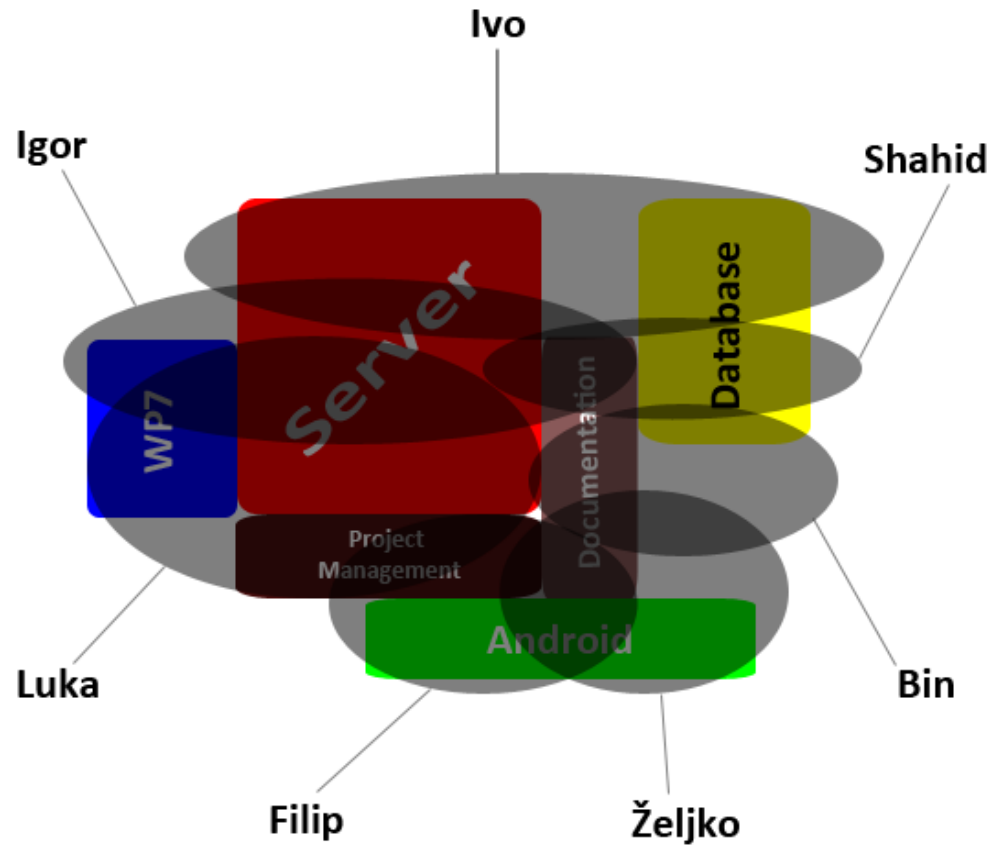
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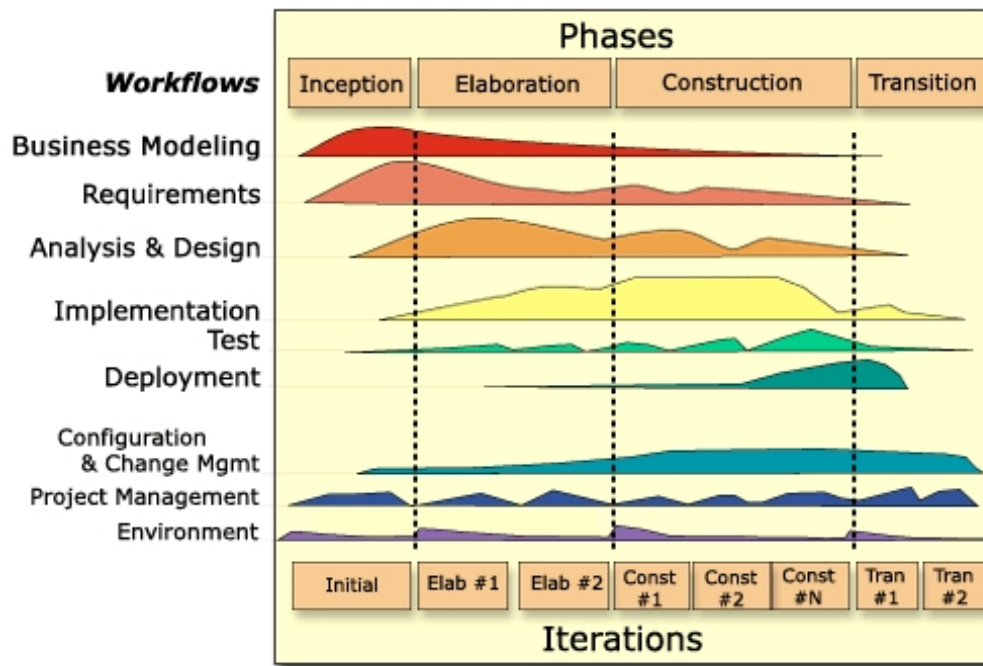


# Role mapping

<b>Teammate</b>	<b>Roles</b>
Luka Božić	Project Leader, SW developer (server side), WP7 developer
Igor Czerwinski	SVN coordinator, SW Developer (server side), WP7 developer
Ali Shahid	SW developer (Web scraping) , Documentation writer, Database developer
Bin Wu	Documentation writer, SW Tester, Database developer
Filip Gvardijan	Team Leader, Android developer, Documentation reviewer
Ivo Štimac	Database architect, SW developer (server side), VM responsible
Željko Brdarić	Android developer, Documentation writer

# Development methodology

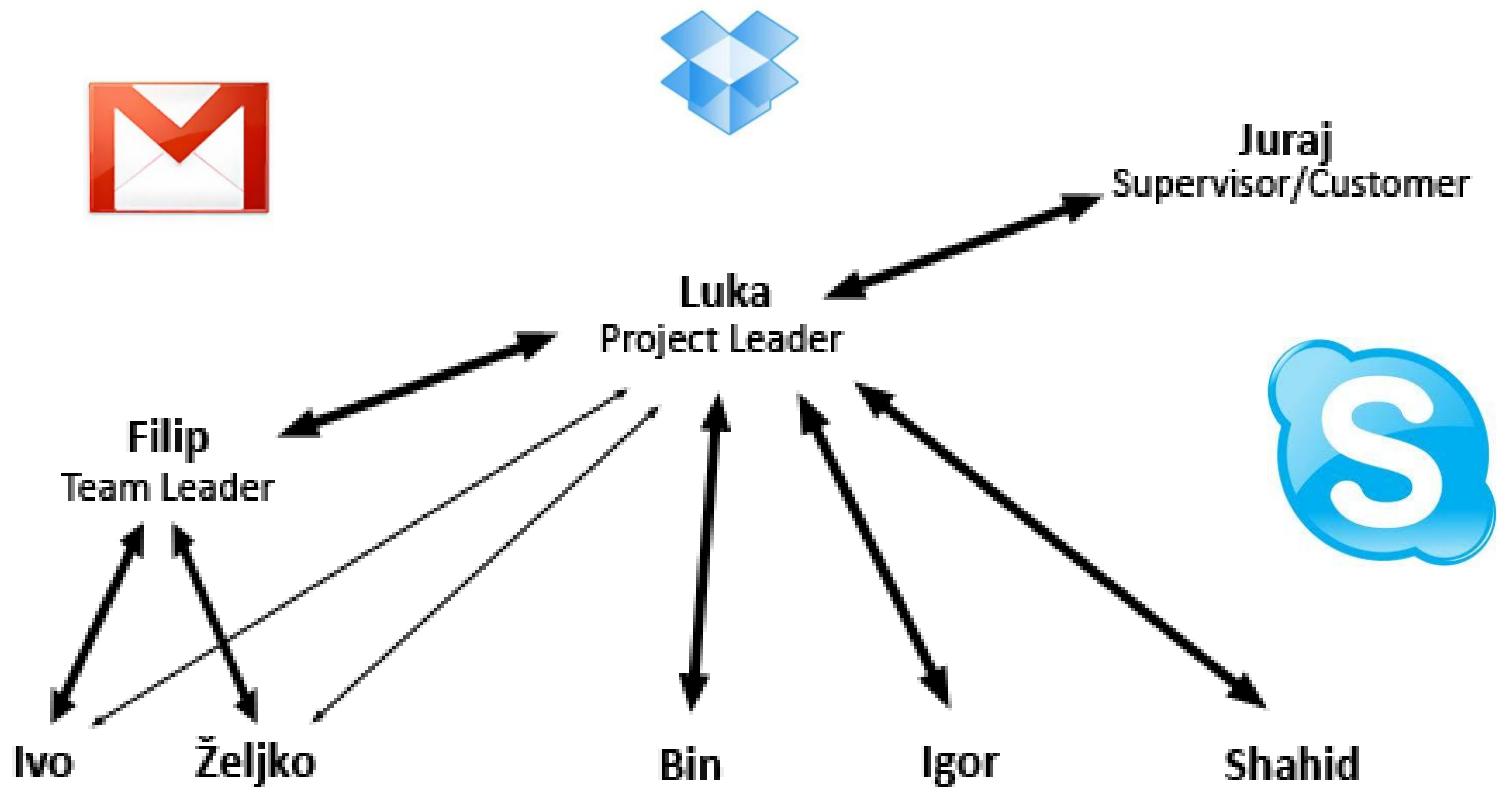
- RUP
- RUP development prototype



# Why RUP?

- Useful for managing small teams and projects
- Iterative development
- Adaptable to various projects

# Communication





# Deliverables

Deliverable	Planned week (W)
Project plan document	W41
Requirements Definition document	W42
Design Description document	W43
Summary of the Week Report, fill happiness poll	Every Monday
Minutes of Meeting, Technical documents, and policies	During project
Prototype – I (Alpha Prototype)	W47
Prototype –II (Beta Prototype)	W50
Revisions of existing documents ...	On Major Changes
Acceptance test plan	W50
Test report	W01
Final Project Report, final versions of all documents...	W02
Final product (installation, source code, etc.)	W02

# Milestones

- Project Plan and Requirements Analysis
- System Design and Architecture
- Prototype-I
  - Alpha Release
- Prototype-II
  - Beta Release
- Final Release
  - Executable, Code, and User Manuals



# Activity plan

Activity	w42	w43	w44	w45	w46	w47	w48	w49	w50	w51	w52	w1	w2
Requirement gathering	■	■			■		■						
Requirement Analysis	■	■			■		■		■				
Architecture Design	■	■	■	■									
Product Implementation			■	■	■	■	■	■	■	■	■	■	
Testing				■		■		■			■	■	
Deployment												■	■

# Financial plan

Activity	Volume (days) (days*man*day-cost)	Cost
Requirement gathering and analysis	15 * 6 * 35	3150 €
System Design	15 * 6 * 35	3150 €
Implementation	40 * 7 * 35	9800 €
Testing	15 * 4 * 35	2100 €
Documentation	20 * 7 * 35	4900 €
Miscellaneous		1800 €

\*We assume every person works on average 5 hours a day.

Planned effort (man-days)	Man-day cost	Planned project cost (100%)
660	35 €	23100 + 1800 = 24900 €

# Project risks

- **Cannot finish the task in time**
  - Divide the workload efficiently
- **Requirements complexity**
  - Implement requirements by their importance
- **Insufficient skills**
  - Improve technical skills by learning, divide tasks according to executor's skills
- **Task Assignment**
  - Right person for the right job
- **Bad cooperation**
  - More communication

