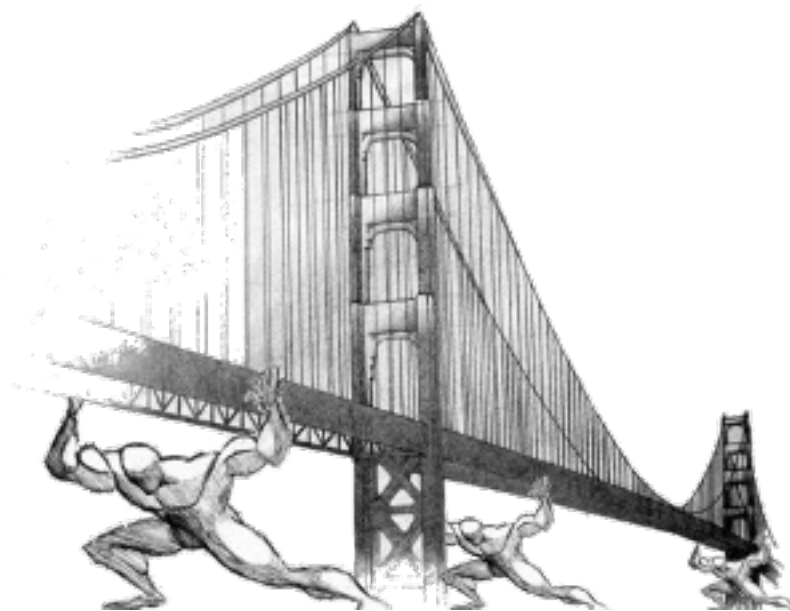


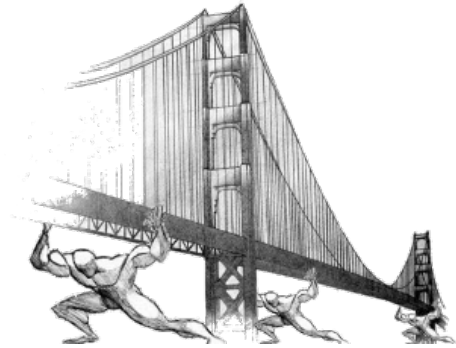
Distributed Software Development

The Development Group

Real-Time Bridge Monitoring Status Report

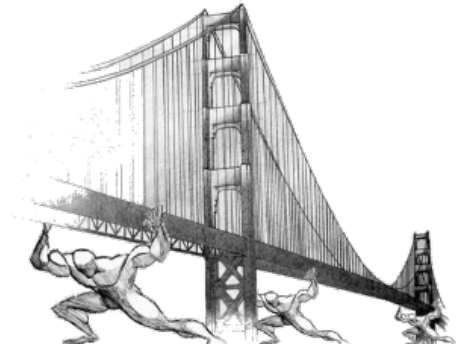


Overview



- Team Organization
 - The Development Group
 - Updated Roles

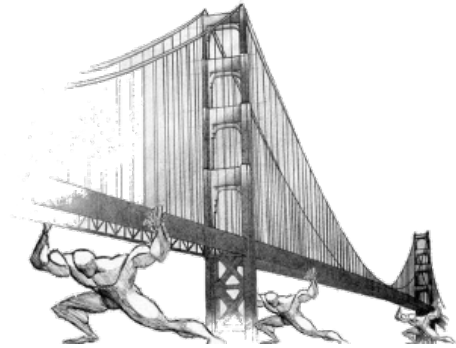
Overview



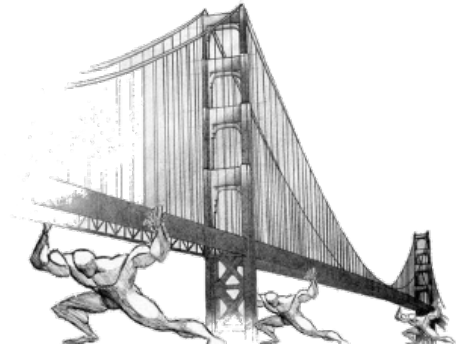
- Project Status
 - Actual Project Plan
 - Team policies
 - Deployment Diagram
 - Actual Architecture
 - Some API Diagrams
 - Some Sequence Diagrams

Overview

- Meetings
 - Group meetings
 - Customer meetings
 - Supervisor meeting



Team Organization



- The Development Group

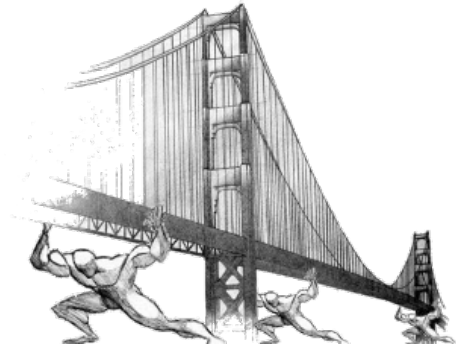


Andrea Bottoli (PoliMi) Lorenzo Pagliari (PoliMi) Marko Brčić (FER) Ghazaleh Shojaei Nia (PoliMi)



Dzana Kujan (MDH) Jörn Tillmanns (MDH) Miraldi Fifo (MDH) Nikola Radisavljevic (MDH)

Team Organization



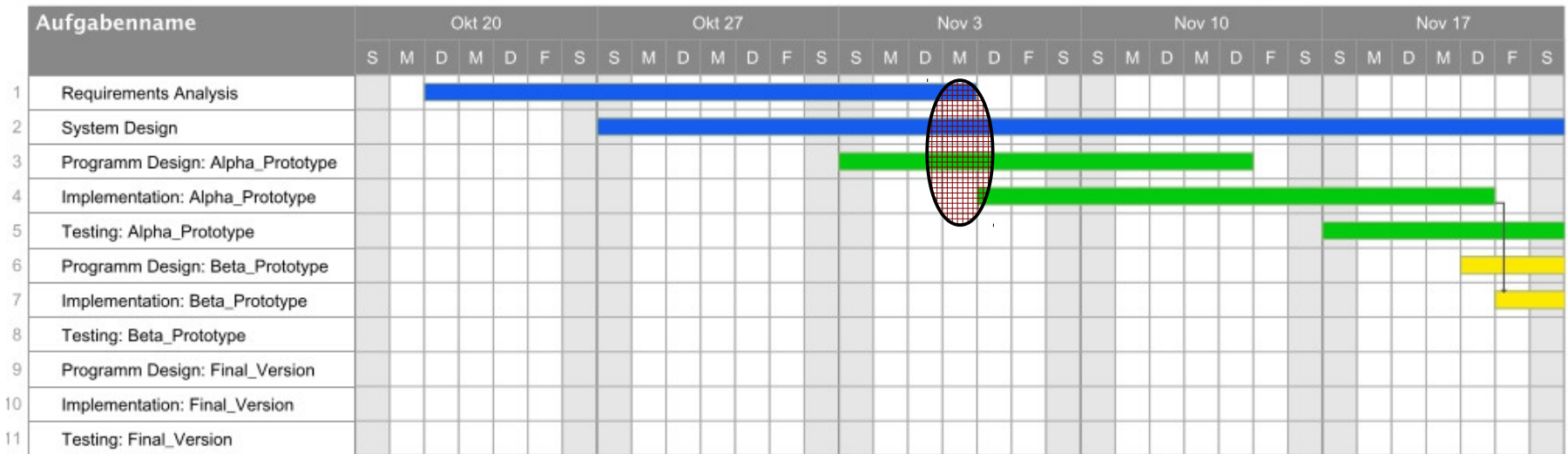
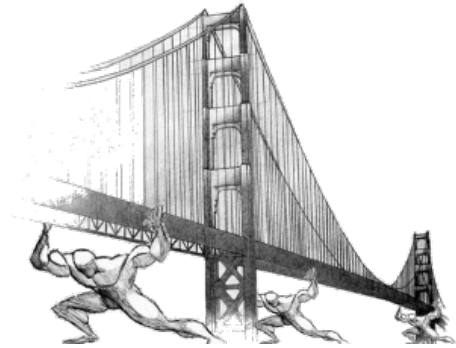
- Updated Roles

Name	Initials	Responsibility (roles)
Andrea Bottoli	AB	Project Manager
<i>Dzana Kujan</i>	<i>DK</i>	<i>Team Leader</i>
Marco Brčić	MB	Documentation Manager
Lorenzo Pagliari	LP	Design Manager
Miraldi Fifo	MF	Testing Manager
Jörn Tillmanns	JT	Database Manager
Nikola Radisavljevic	NR	Integration Manager
Ghazaleh Shojaee Nia	GS	Design Manager

Project Status

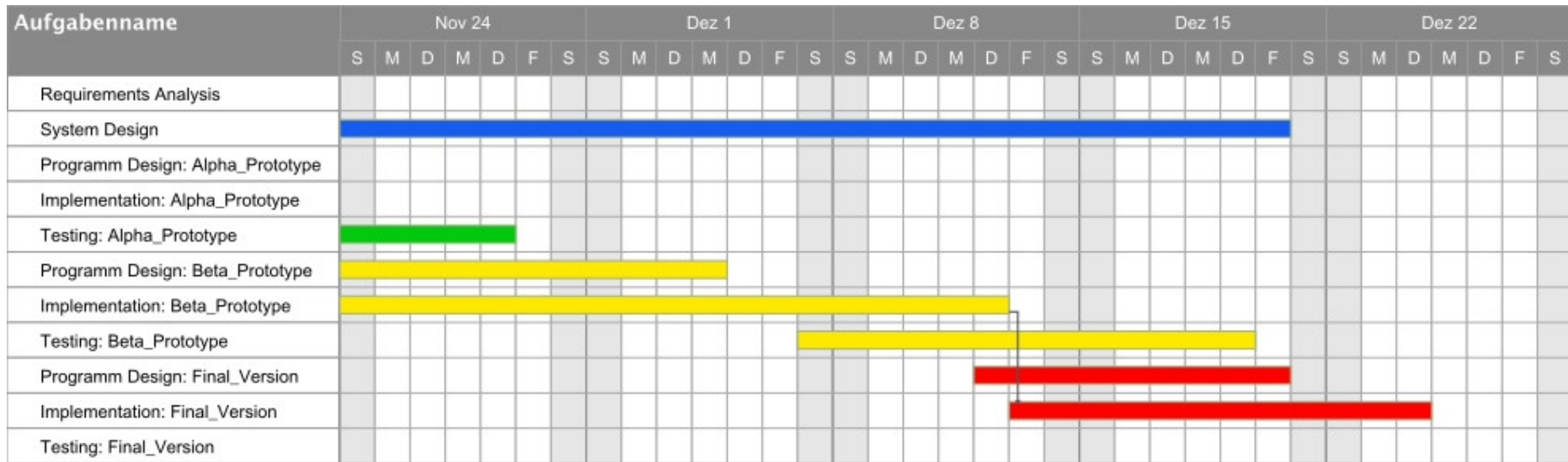
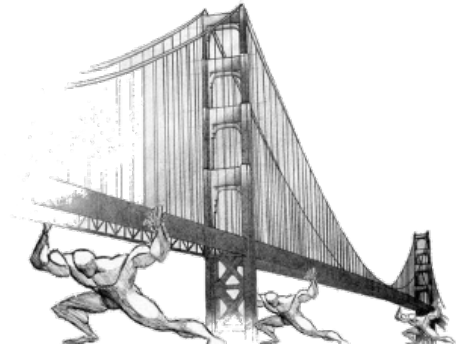
- Actual Project Plan (I)

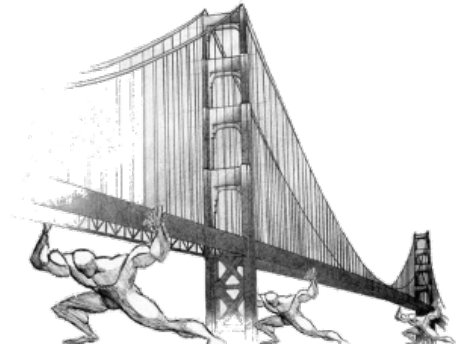
— Where we are



Project Status

- Actual Project Plan (I)
 - What we have to do





Project Status

- Actual Project Plan (I)
 - What we have to do

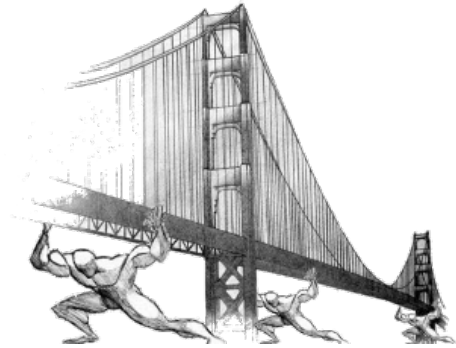
Aufgabenname	Dez 29							Jan 5							Jan 12						
	S	M	D	M	D	F	S	S	M	D	M	D	F	S	S	M	D	M	D	F	S
Requirements Analysis																					
System Design																					
Programm Design: Alpha_Prototype																					
Implementation: Alpha_Prototype																					
Testing: Alpha_Prototype																					
Programm Design: Beta_Prototype																					
Implementation: Beta_Prototype																					
Testing: Beta_Prototype																					
Programm Design: Final_Version																					
Implementation: Final_Version																					
Testing: Final_Version																					

Project Status

- Actual Project Plan (II)

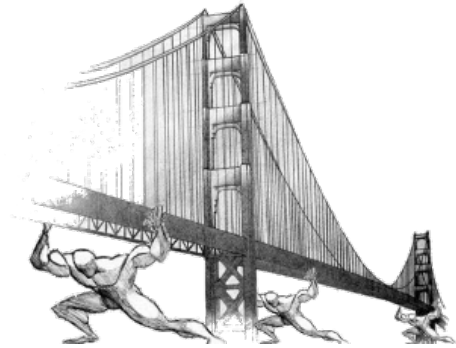
- Modules distribution (persons in charge)

- Data Access Layer is divided in:
 - DB Layer and Source Layer
 - Math layer is divided in:
 - Parser and Math Engine
 - DB Layer, Source Layer and Parser:
 - Jörn Tillmanns and Marko Brčić
 - Math Engine and Business Layer
 - Andrea Bottoli, Lorenzo Pagliari and Ghazaleh Shojaee Nia
 - Presentation Layer
 - Dzana Kujan, Miraldi Fifo, Nikola Radisavljevic



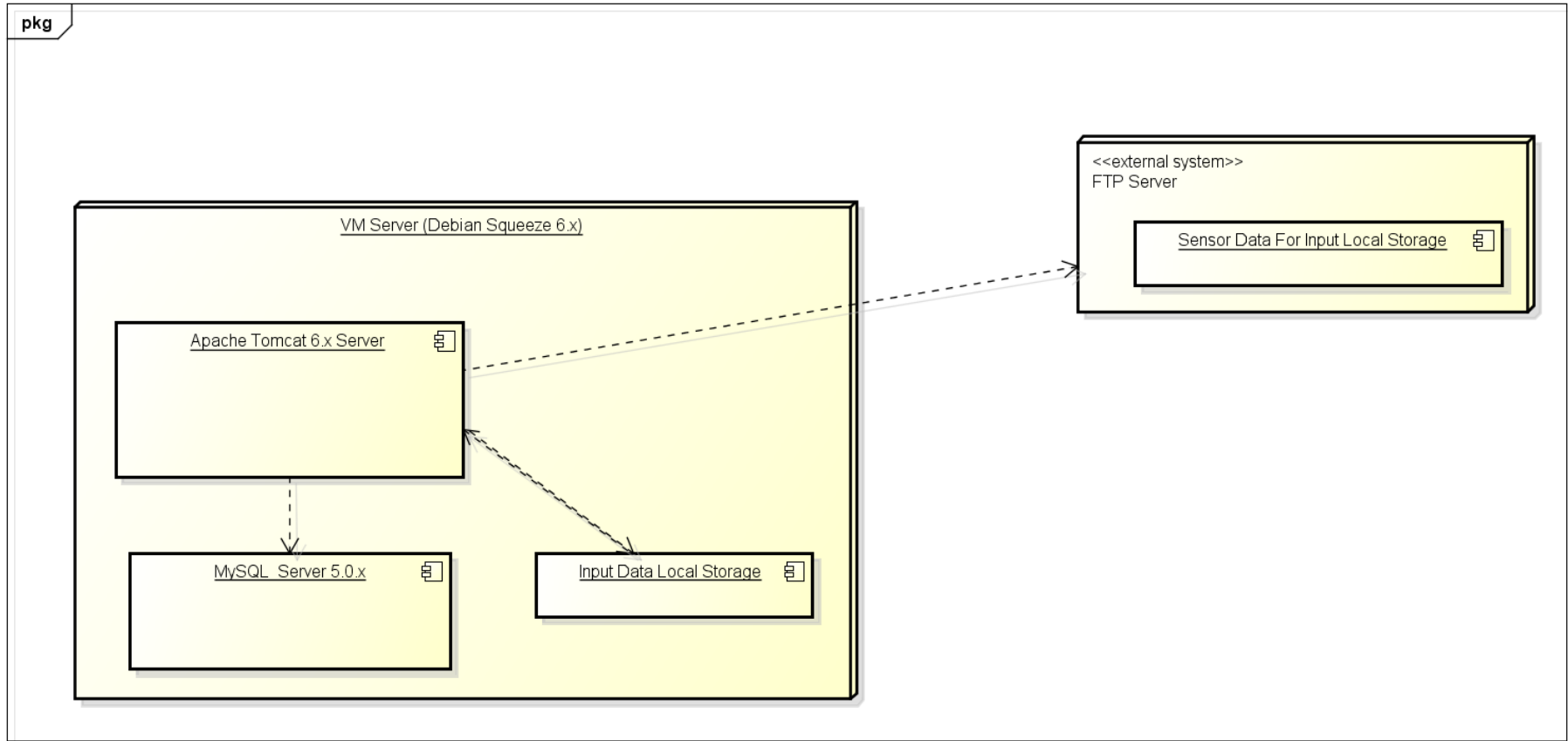
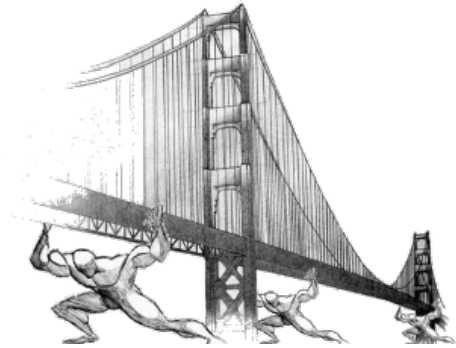
Project Status

- Team Policies
 - Communication policy
 - Git repository policy
 - Coding Conventions
 - Bug reporting



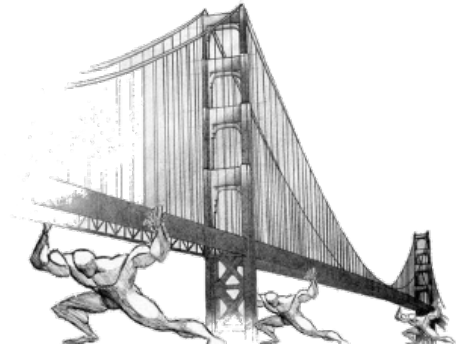
Project Status

- Deployment Diagram



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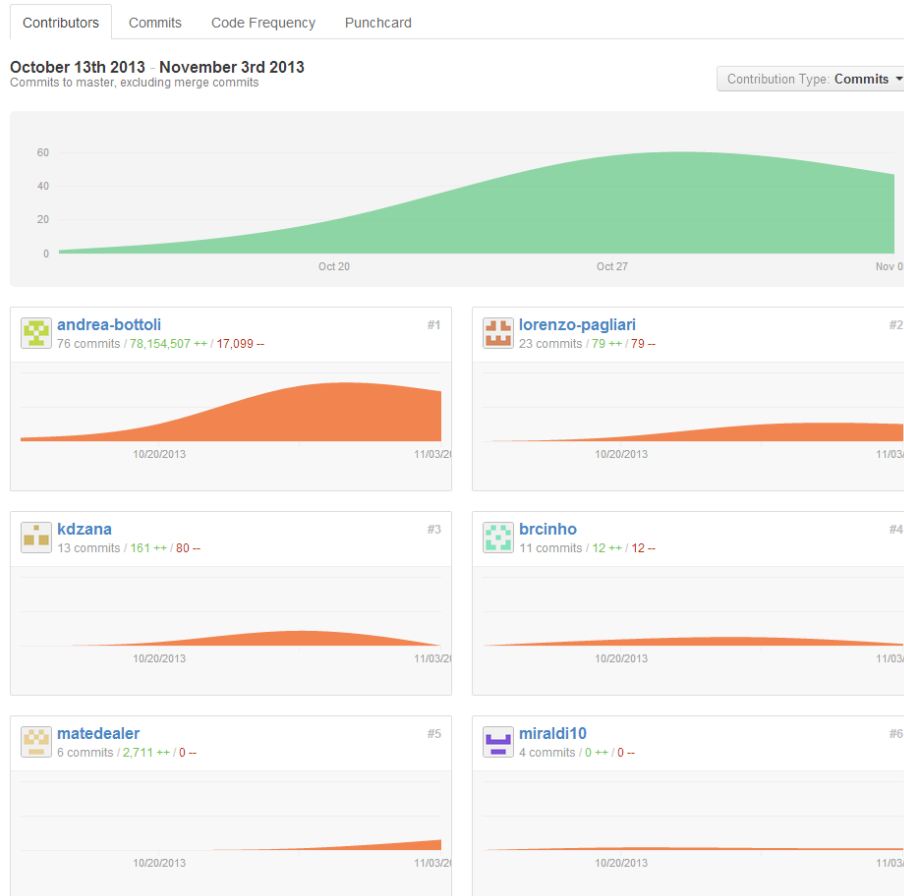
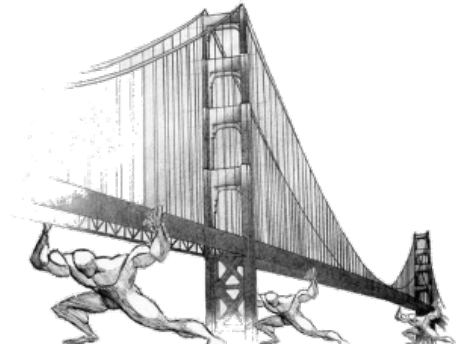
Project Status



- VM Setup
 - Debian Squeeze 6.x
 - With running instances of MySQL 5.x and Apache Tomcat 6.x
 - <http://161.53.67.134:8080/index.html>
- GitHub repository
 - github.com/andrea-bottoli/DSD
 - Issues and tasks are tracked from the repository
 - Each team member, customers and supervisors are allowed to access

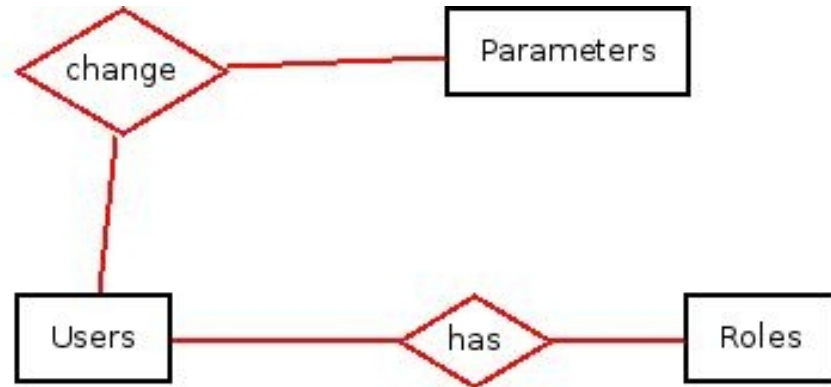
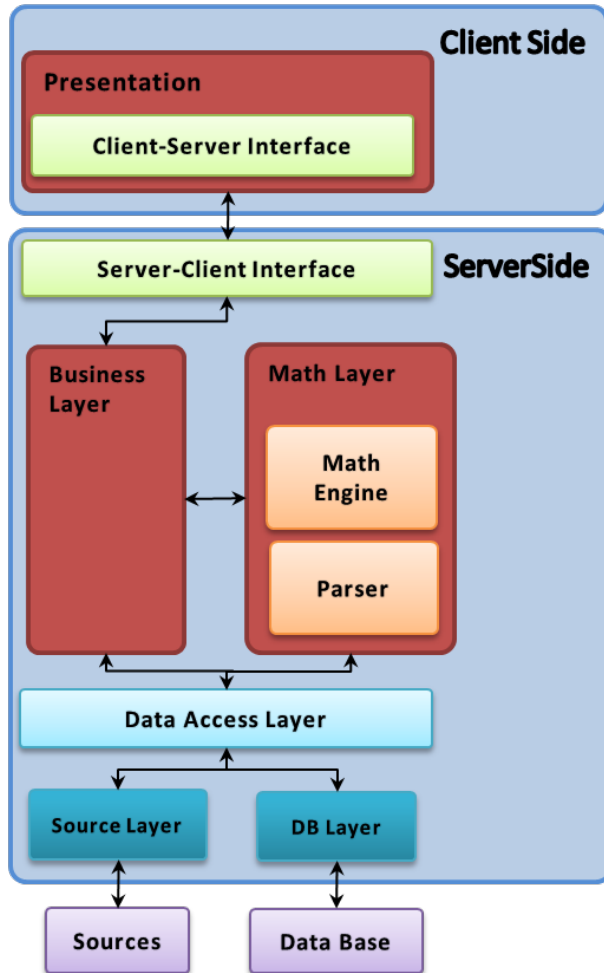
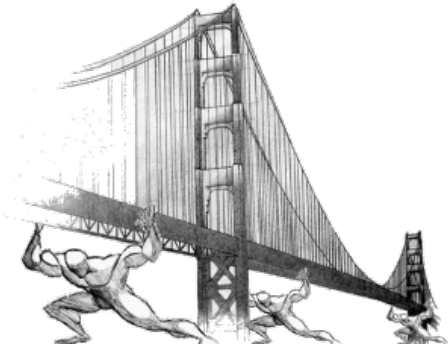
Project Status

- Every day we commit something ;-)



Project Status

- Actual Architecture



Raw Data of Sensors

Calculated Data 10 Minutes

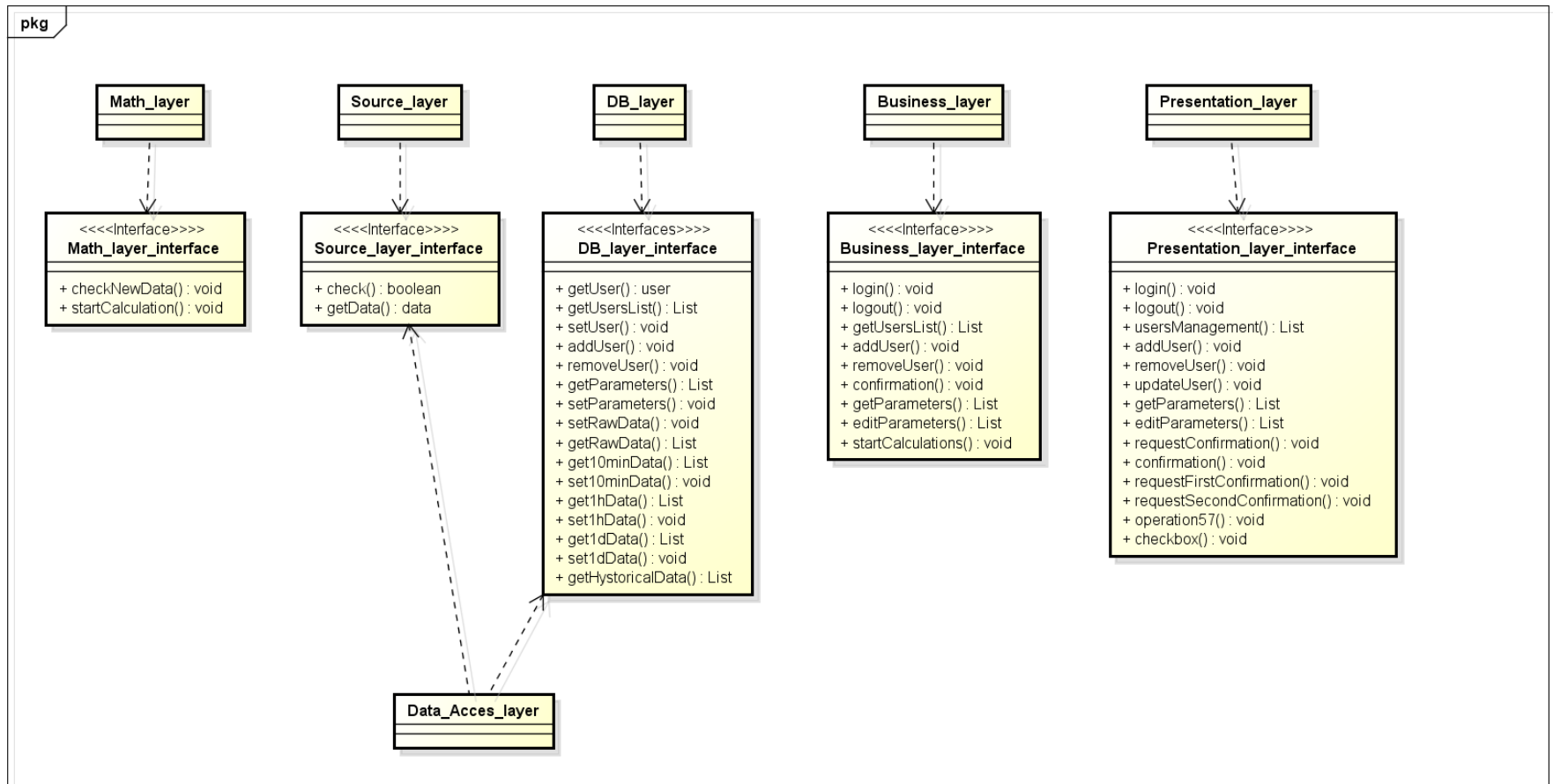
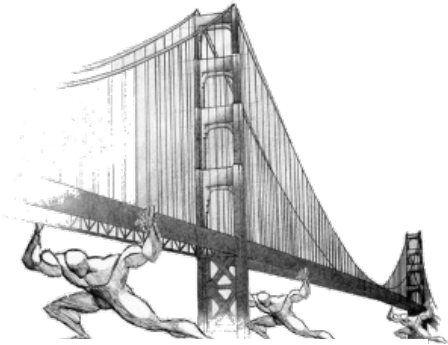
Pictures

Calculated Data 1 Hour

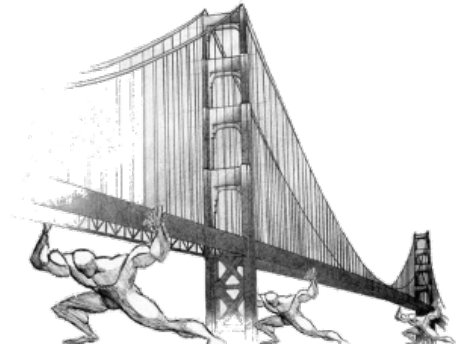
Calculated Data 1 Day

Project Status

- Some API Diagrams



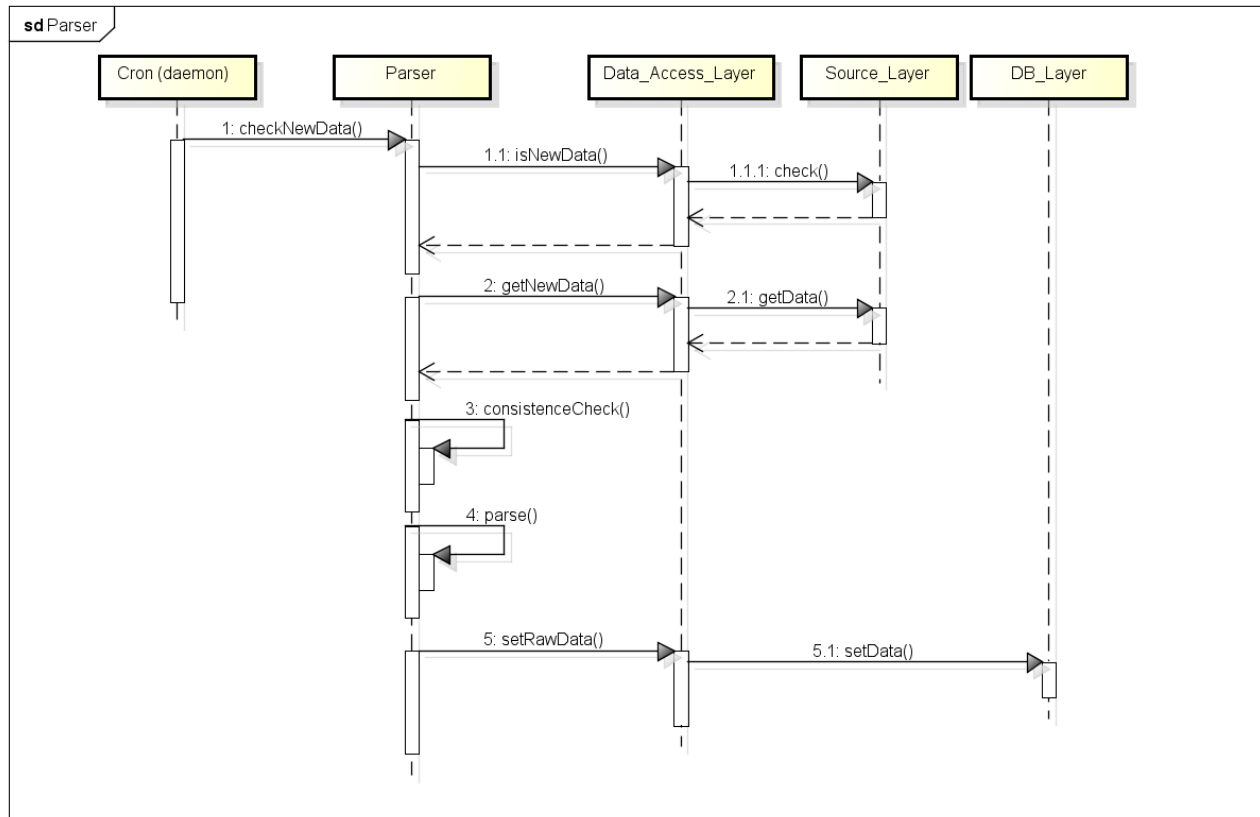
powered by Astah



Project Status

- Some Sequence Diagrams (I)

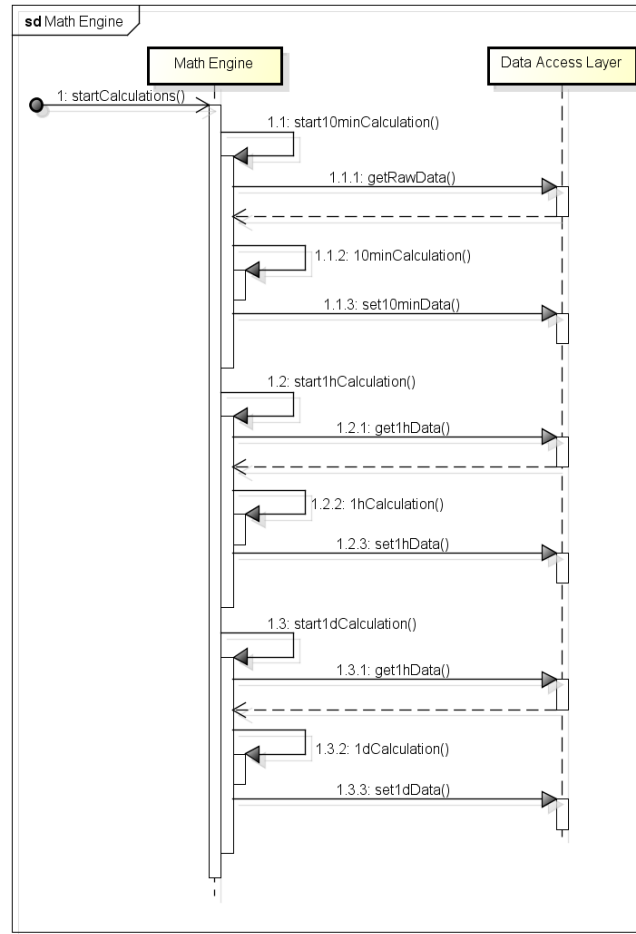
- Parser



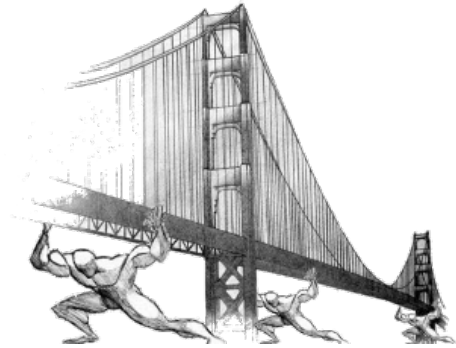
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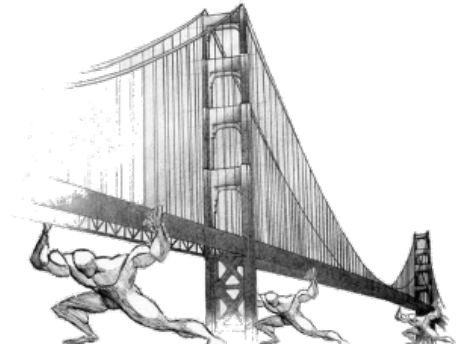
Project Status

- Some Sequence Diagrams (II)
 - Math Engine



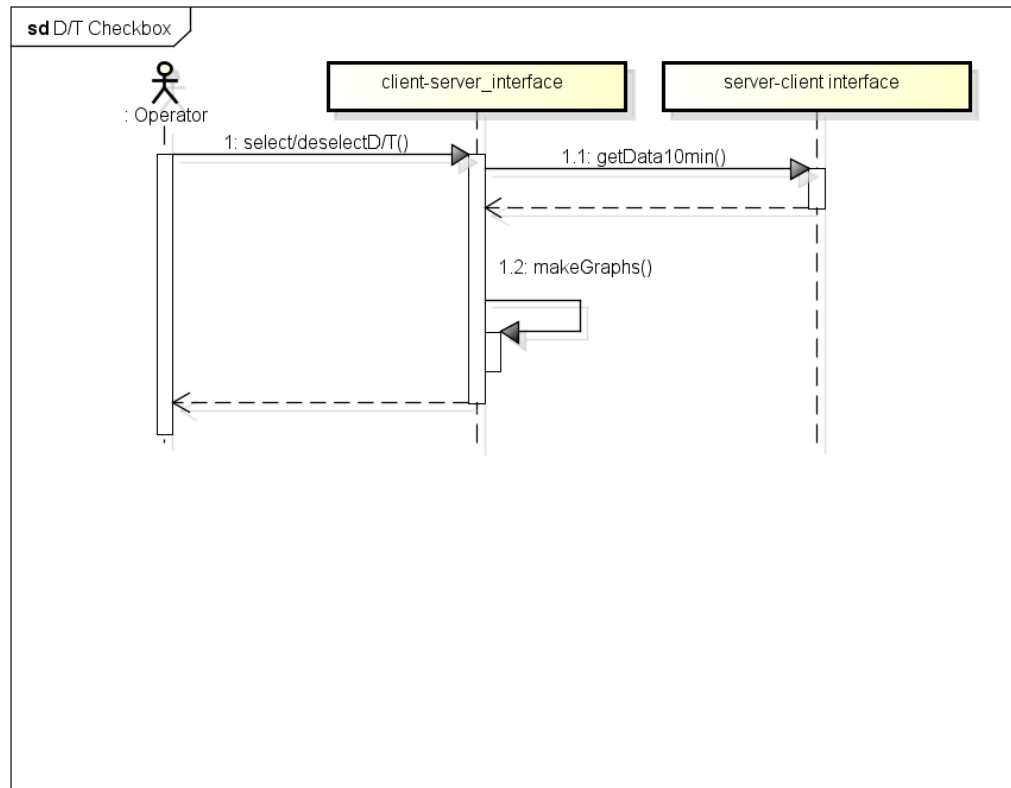
powered by Astah



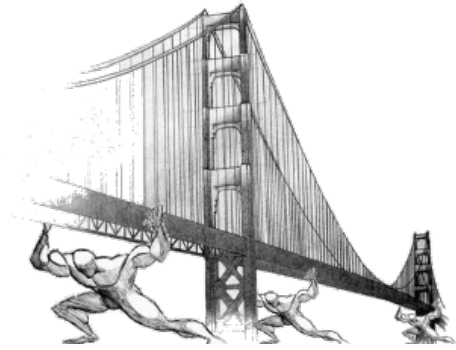


Project Status

- Some Sequence Diagrams (III)
 - Change Parameters: operator

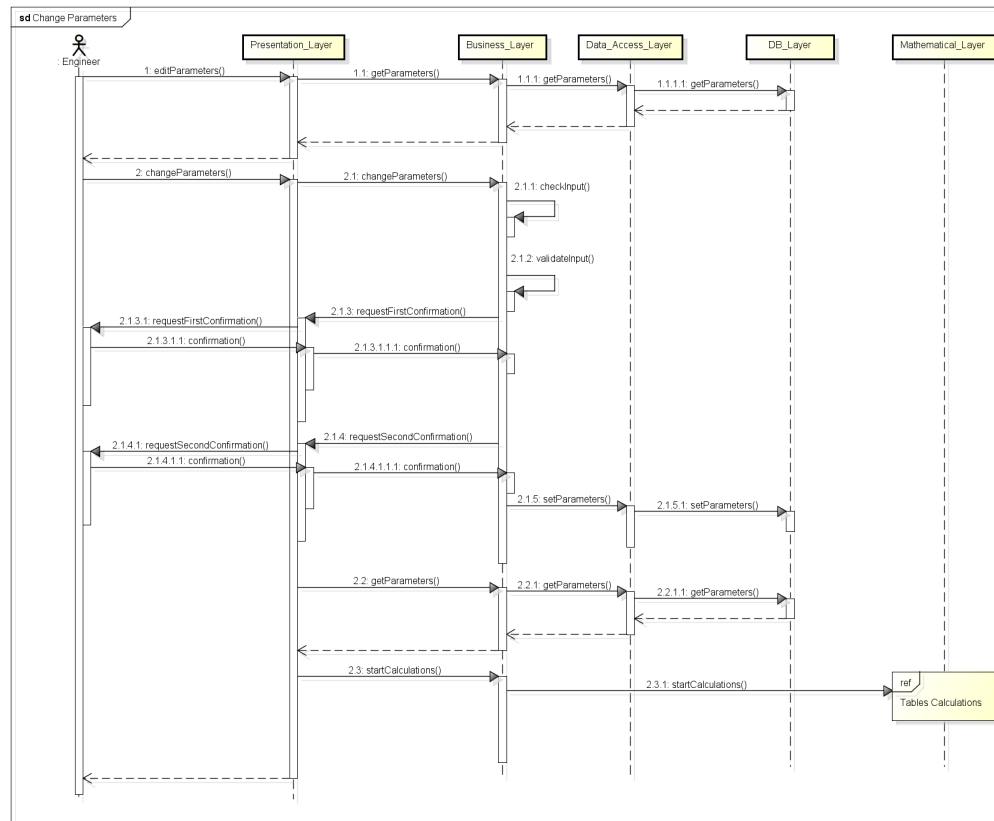


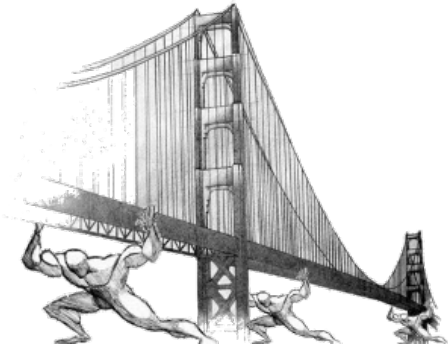
powered by Astah



Project Status

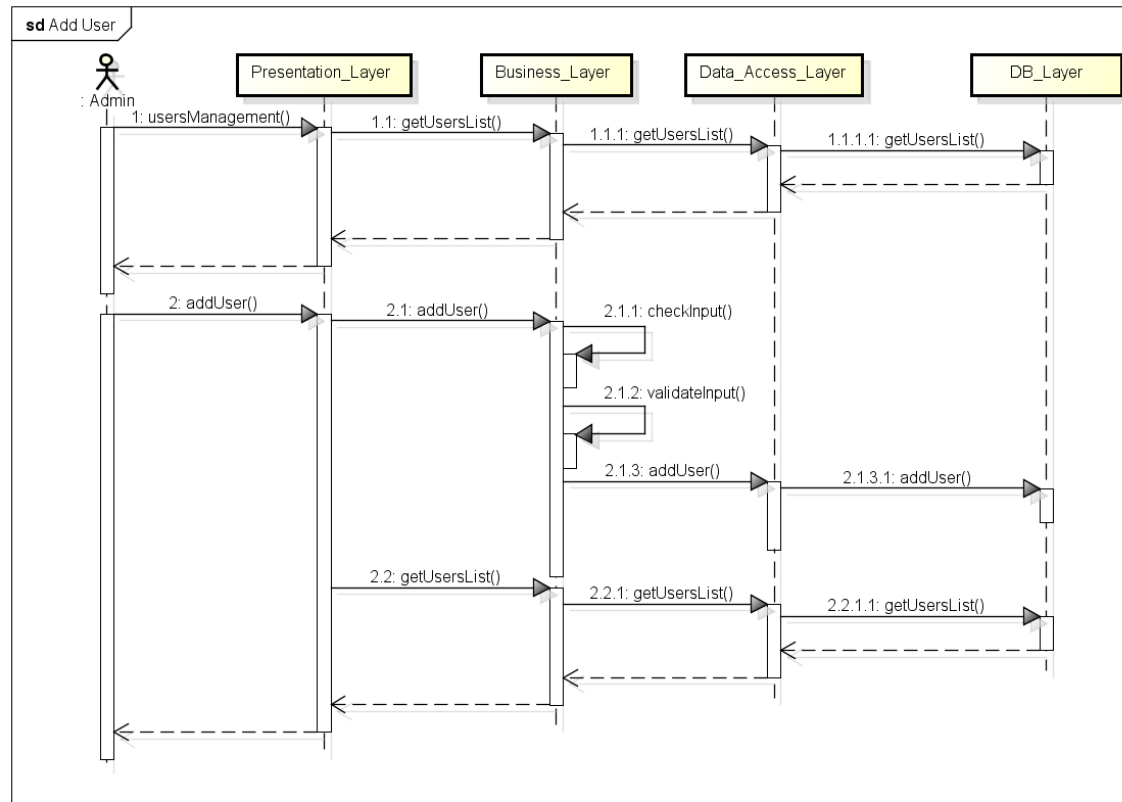
- Some Sequence Diagrams (IV)
 - Change Parameters: engineer



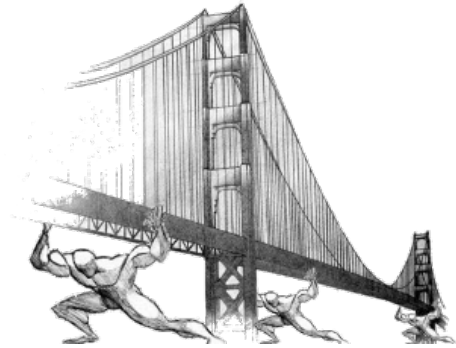


Project Status

- Some Sequence Diagrams (V)
 - User managing: add user

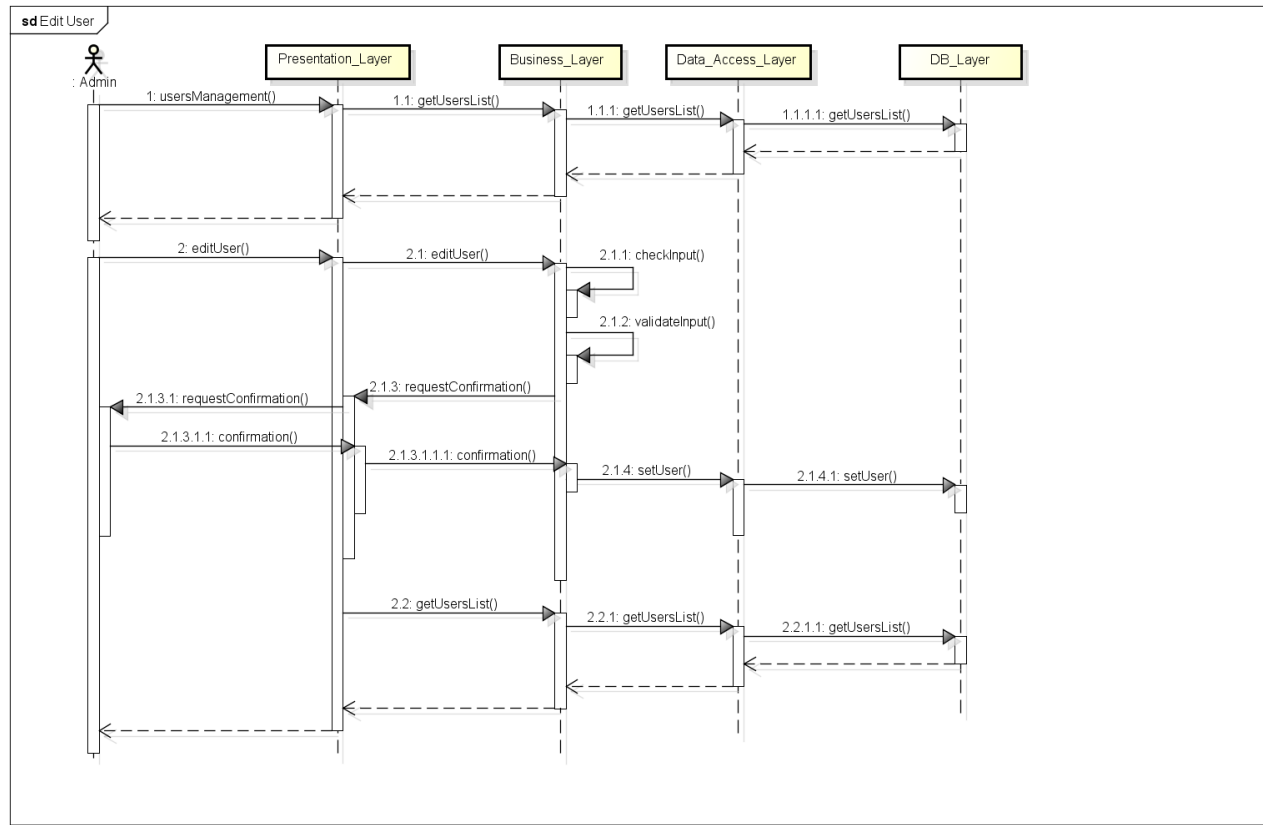


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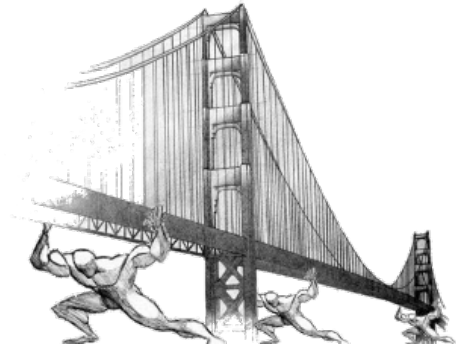


Project Status

- Some Sequence Diagrams (VI)
 - User managing: edit user

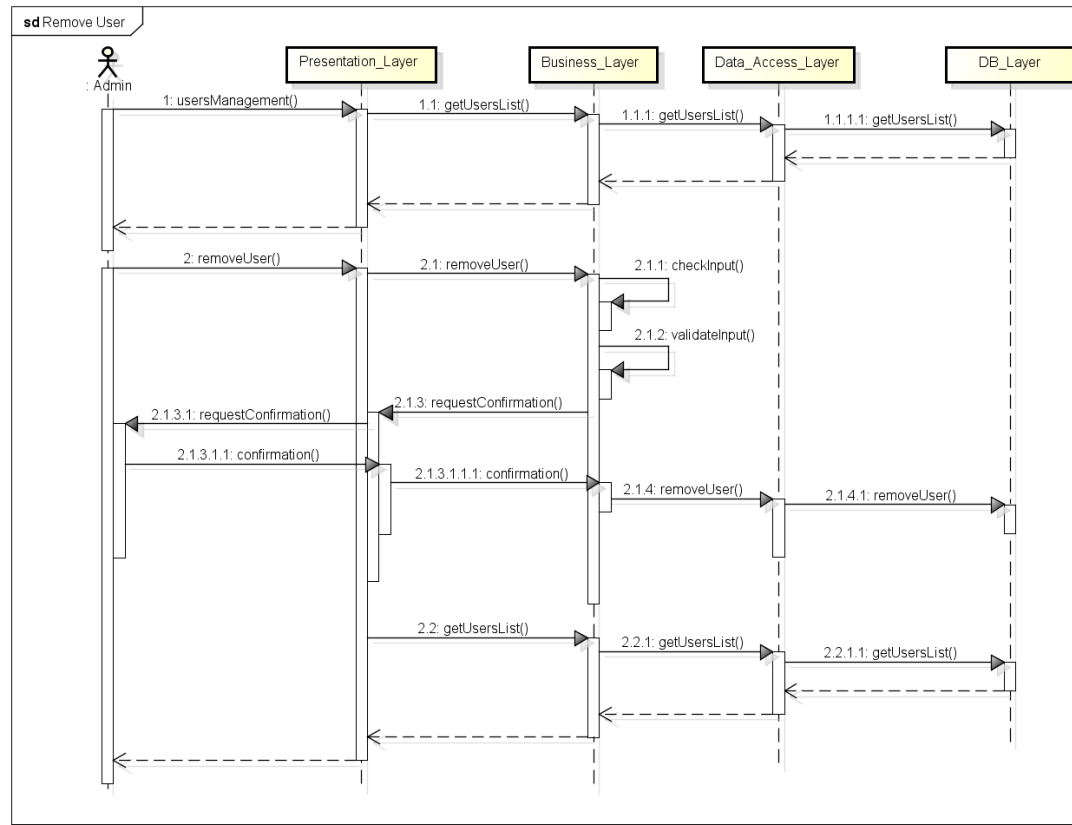


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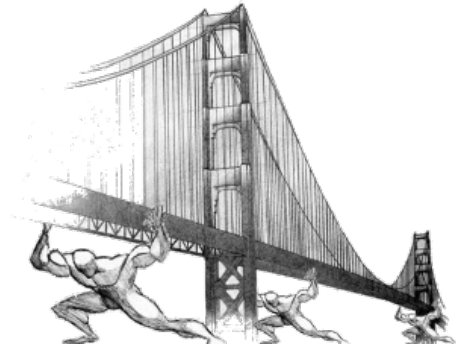


Project Status

- Some Sequence Diagrams (VII)
 - User managing: remove user

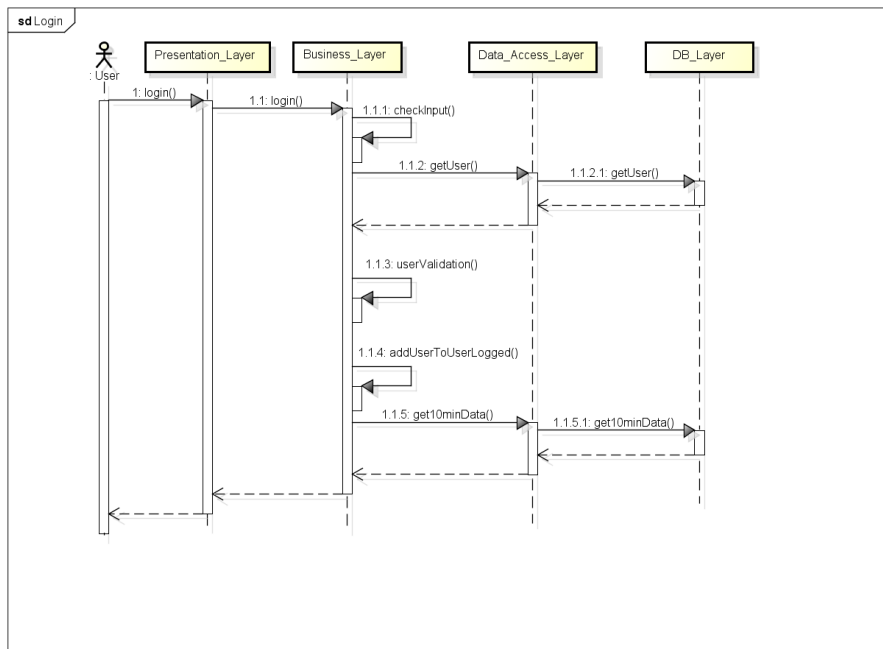


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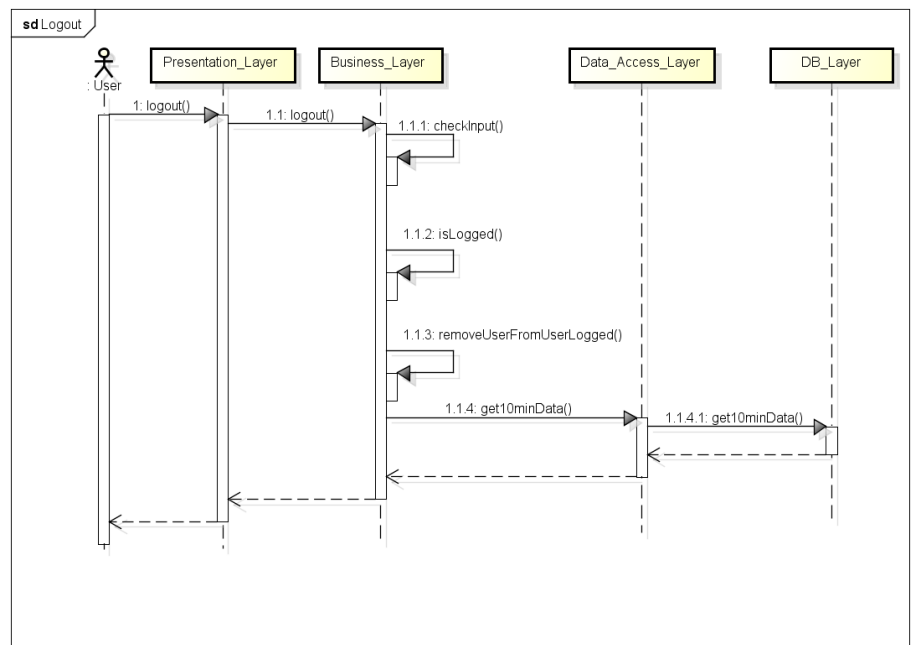


Project Status

- Some Sequence Diagrams (VIII)
 - Login & Logout

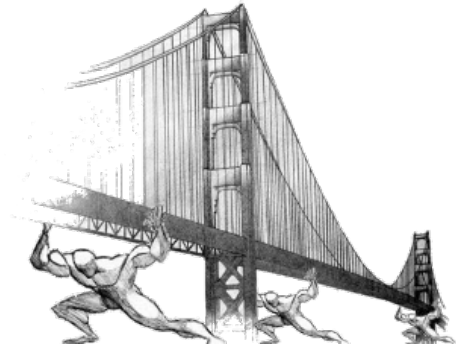


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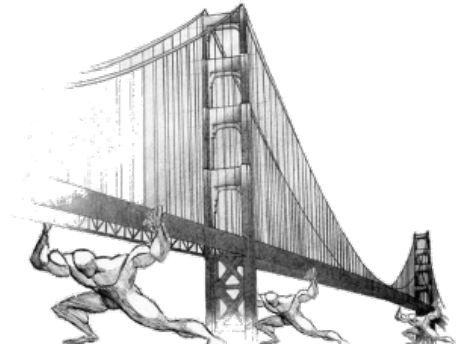
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Meetings



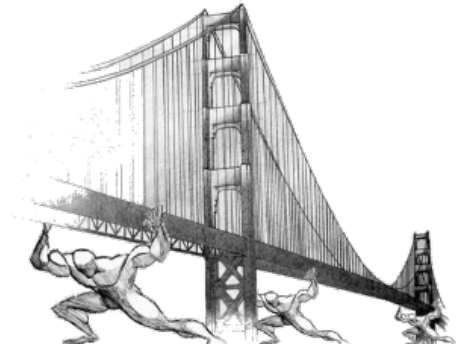
- Both chat & video
- Group Meetings
 - Face to face meetings
 - Formally scheduled every Tuesday 7 P.M.
 - Actually, about 3 or 4 every week ;-)
 - 9 Minutes of Meetings
- Project Leader & Team Leader Meetings
 - About every day (during the week)

Meetings



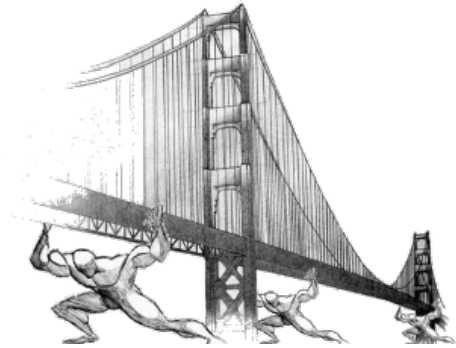
- Customers Meetings
 - One every week
 - Project status
 - Customers desires
 - Requirements
 - First one with both customers
 - Ing. Francesco Ballio
 - Ing. Gianluca Crotti
 - The others with ing. Crotti

Meetings

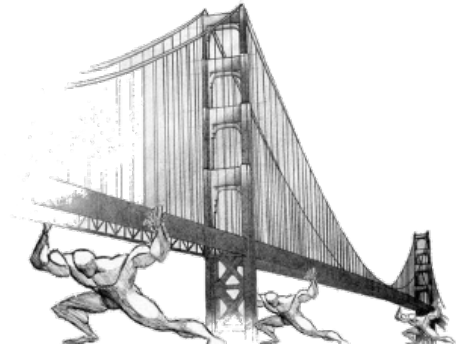


- Supervisors Meetings
 - One every week
 - Inform about
 - Project status
 - Group status & managing
 - Report about customer meetings
 - Gather advices
 - Report problems
 - until now, not needed --> no problems ;-)

Question Time



Thank You



- Thank you for your attention :-)