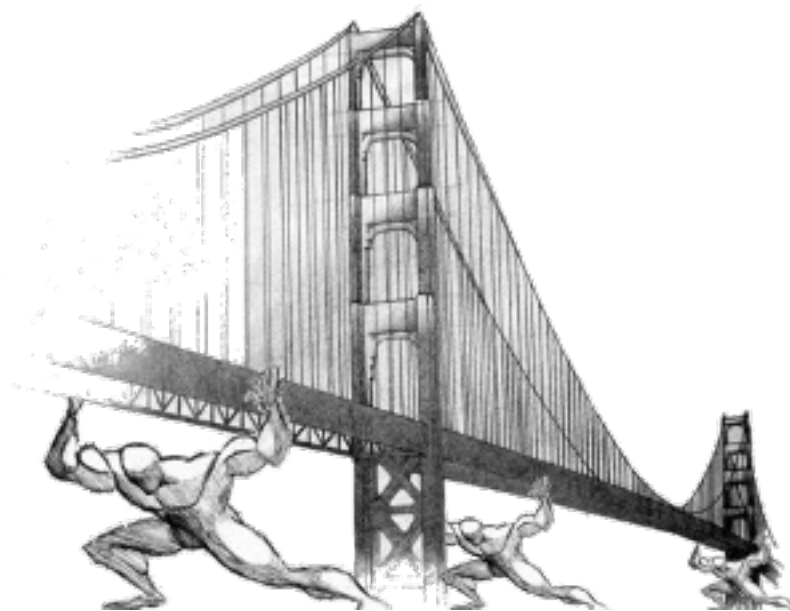


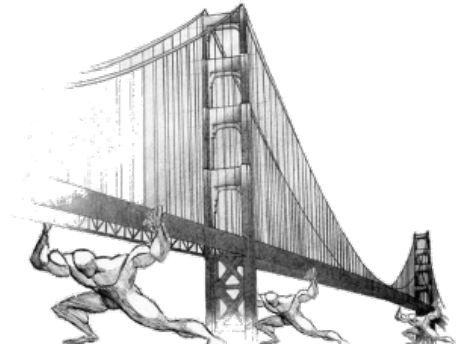
Distributed Software Development

The Development Group

Real-Time Bridge Monitoring Status Report 2

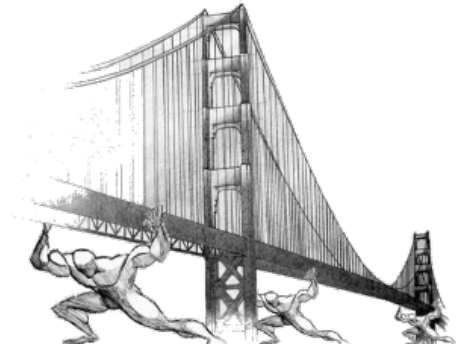


Overview



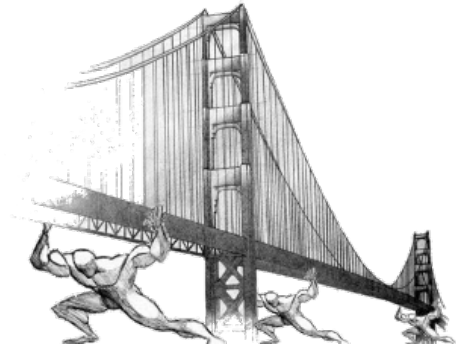
- Team Organization
 - The Development Group
 - Roles
- Project Status
 - Actual Project Plan
 - Actual Architecture
 - Package Dependencies

Overview



- Meetings
 - Group meetings
 - Customer meetings
 - Supervisor meetings
- Experiences
 - Effort
 - Problems and solutions
 - Positive experiences
- The web site

Team Organization



- The Development Group



Andrea Bottoli (PoliMi)



Lorenzo Pagliari (PoliMi)



Marko Brčić (FER)



Dzana Kujan (MDH)



Jörn Tillmanns (MDH)

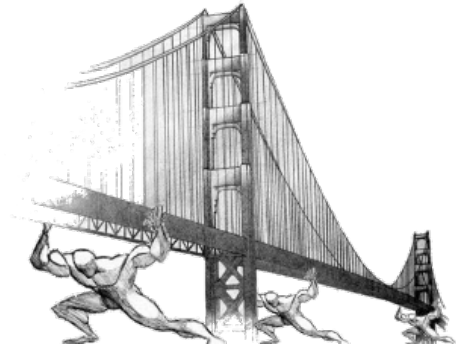


Miraldi Fifo (MDH)



Nikola Radisavljevic (MDH)

Team Organization

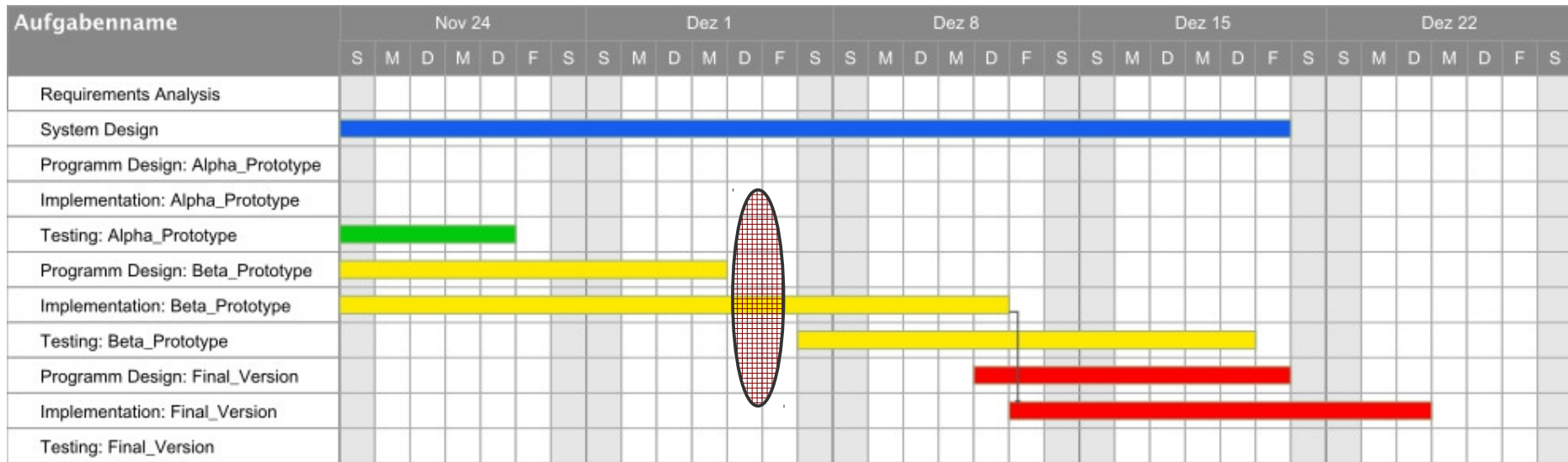
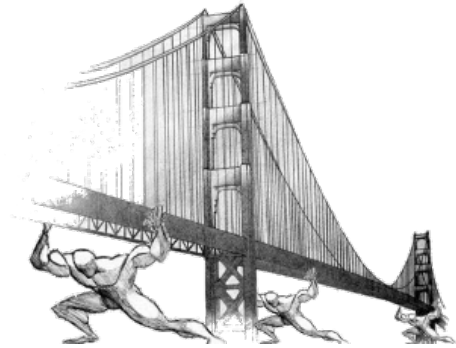


- Roles

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

Project Status

- Actual Project Plan (I)
 - Where we are and what we have to do

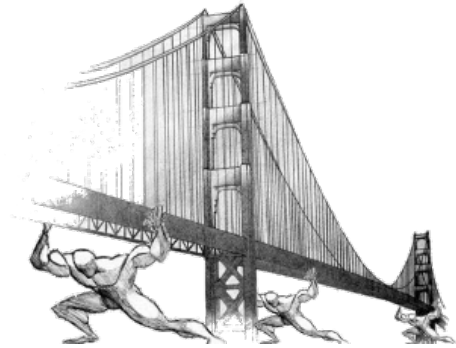


Project Status

- Actual Project Plan (II)

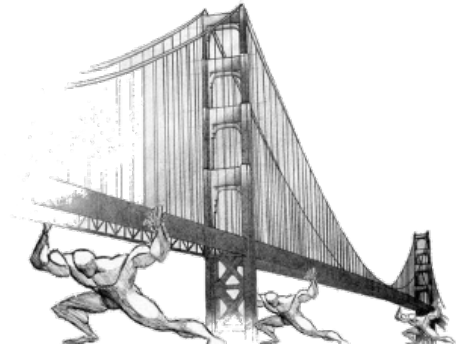
- Alpha Prototype

- Database implementation
 - Scheduler: periodically calls the parser
 - Parser: parses the .txt files and stores in database
 - Webpages
 - Website is running on the VM
 - Acceptance test



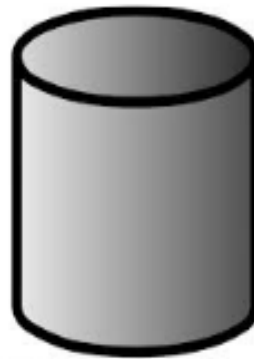
Project Status

- Actual Project Plan (II)
 - Alpha Prototype



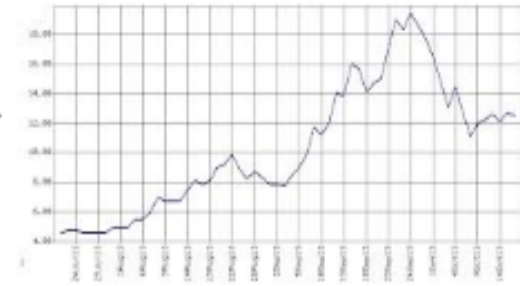
Files

Parser
→



Database

Servlet
→
JSP

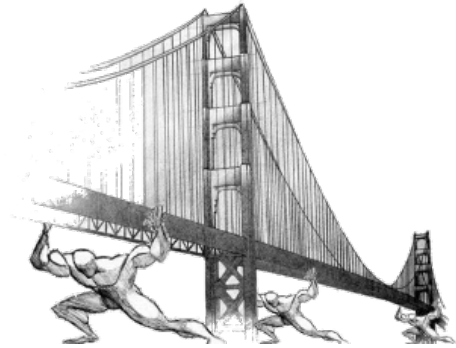


Presentation

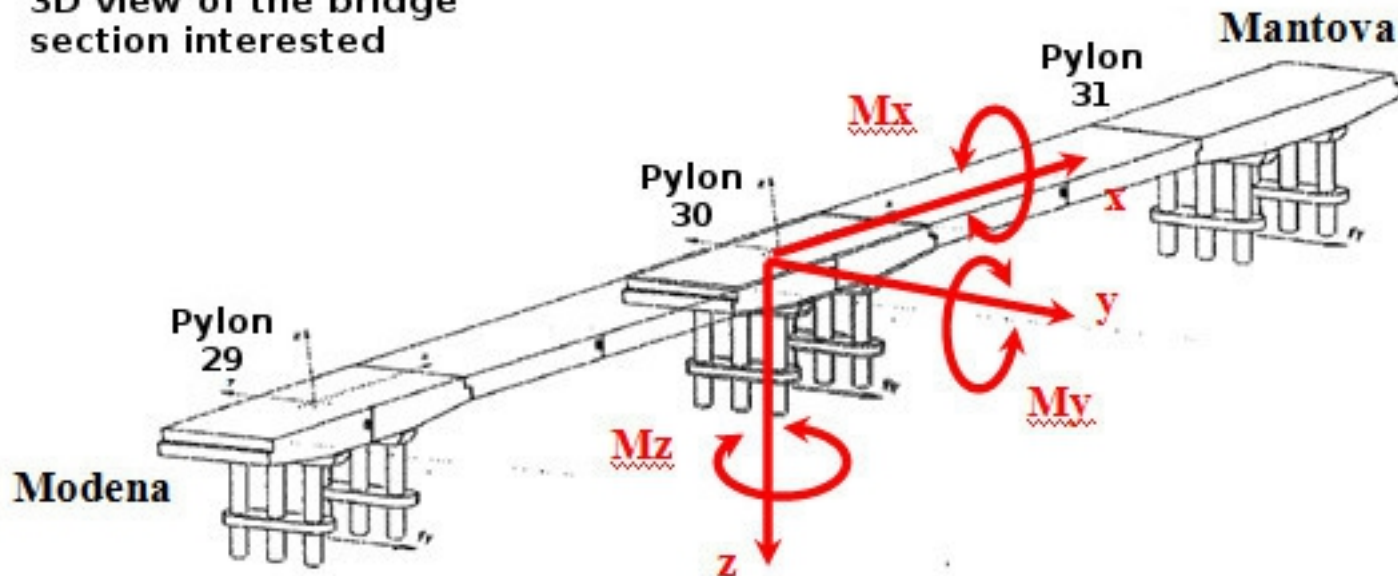
Project Status

- Actual Project Plan (III)

- Beta Prototype



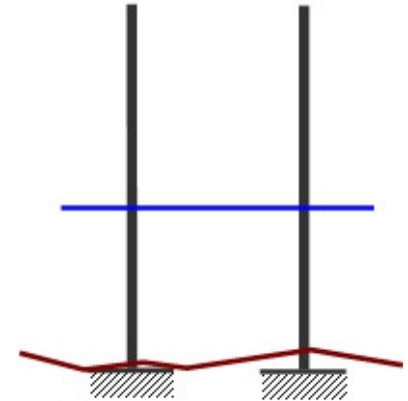
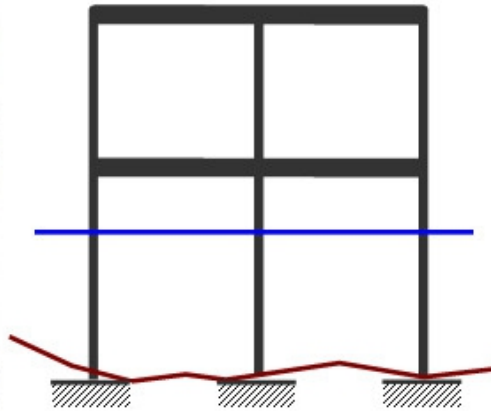
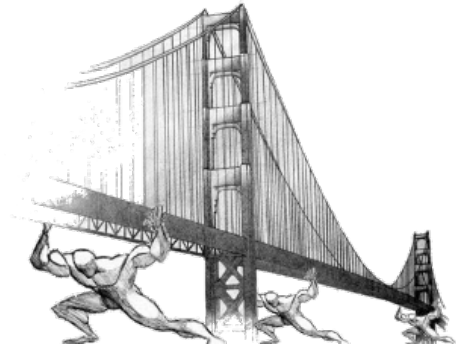
3D view of the bridge section interested



Project Status

- Actual Project Plan (III)

- Beta Prototype



Stack 31

Stack 30

Stack 29



← Mantova side
left

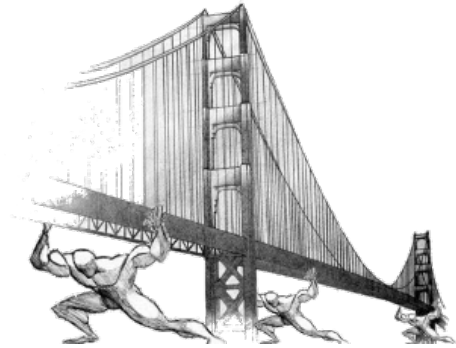


Modena side
left →

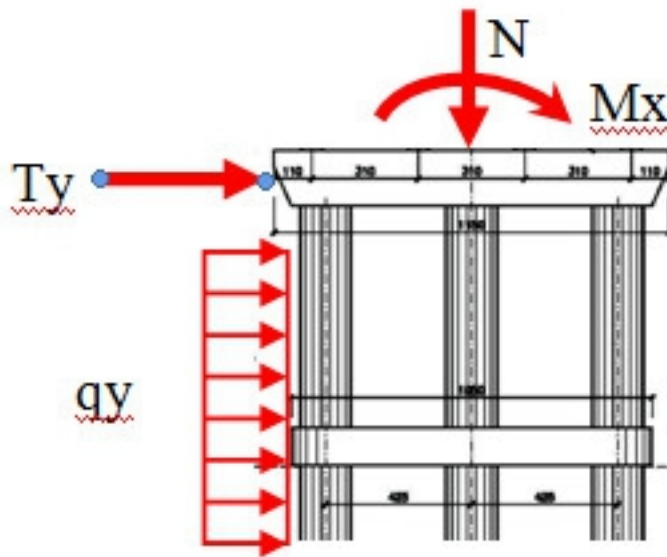


Project Status

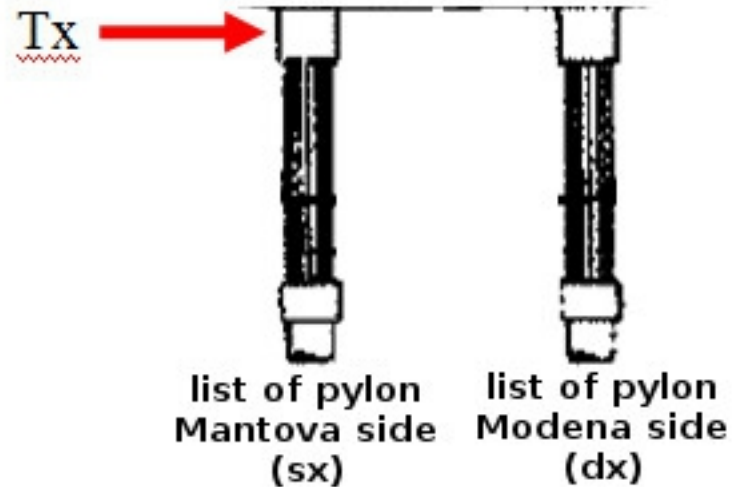
- Actual Project Plan (III)
 - Beta Prototype



line of pylons on y-axis

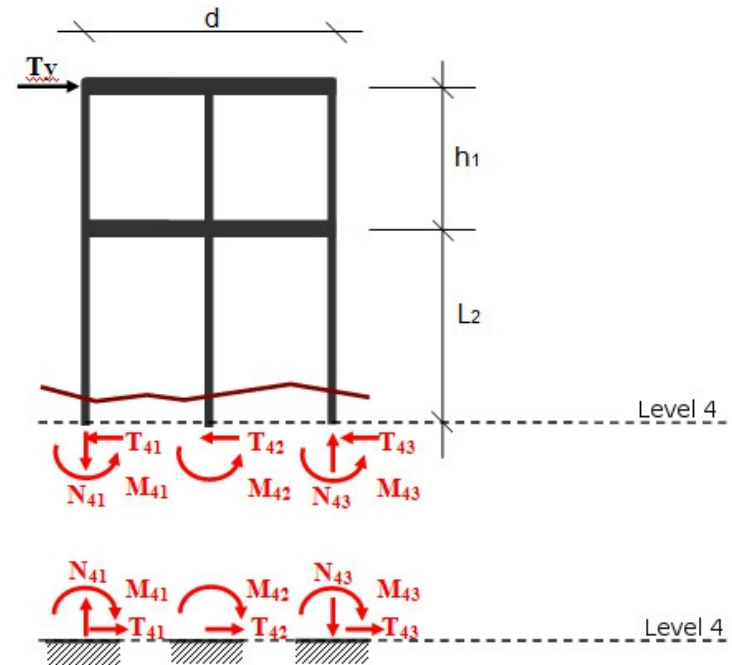
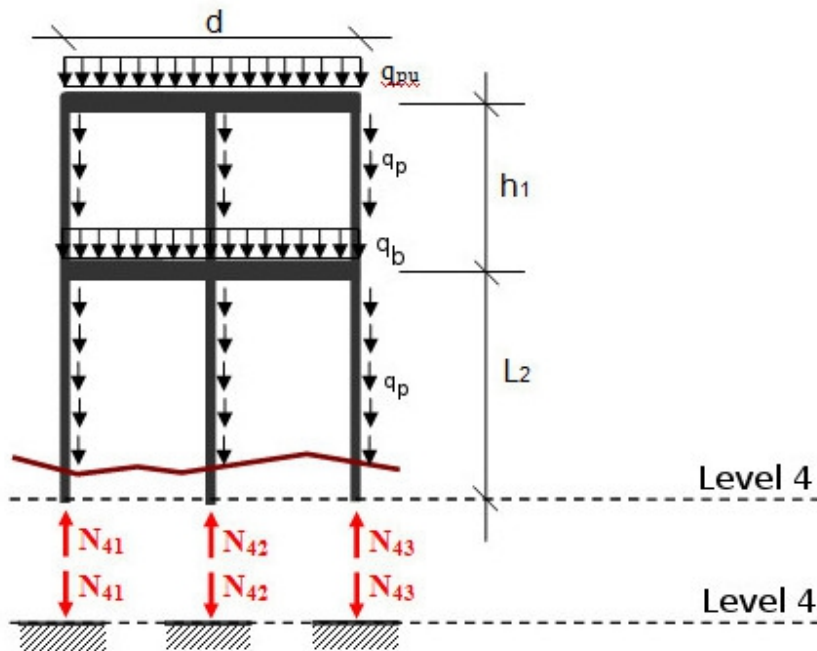
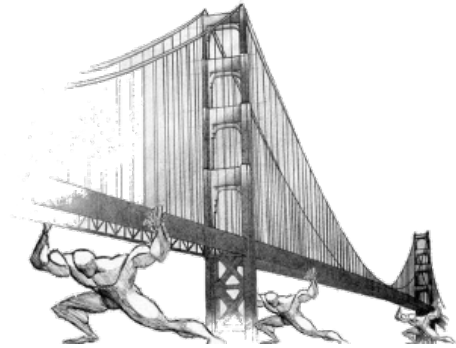


line of pylons on x-axis



Project Status

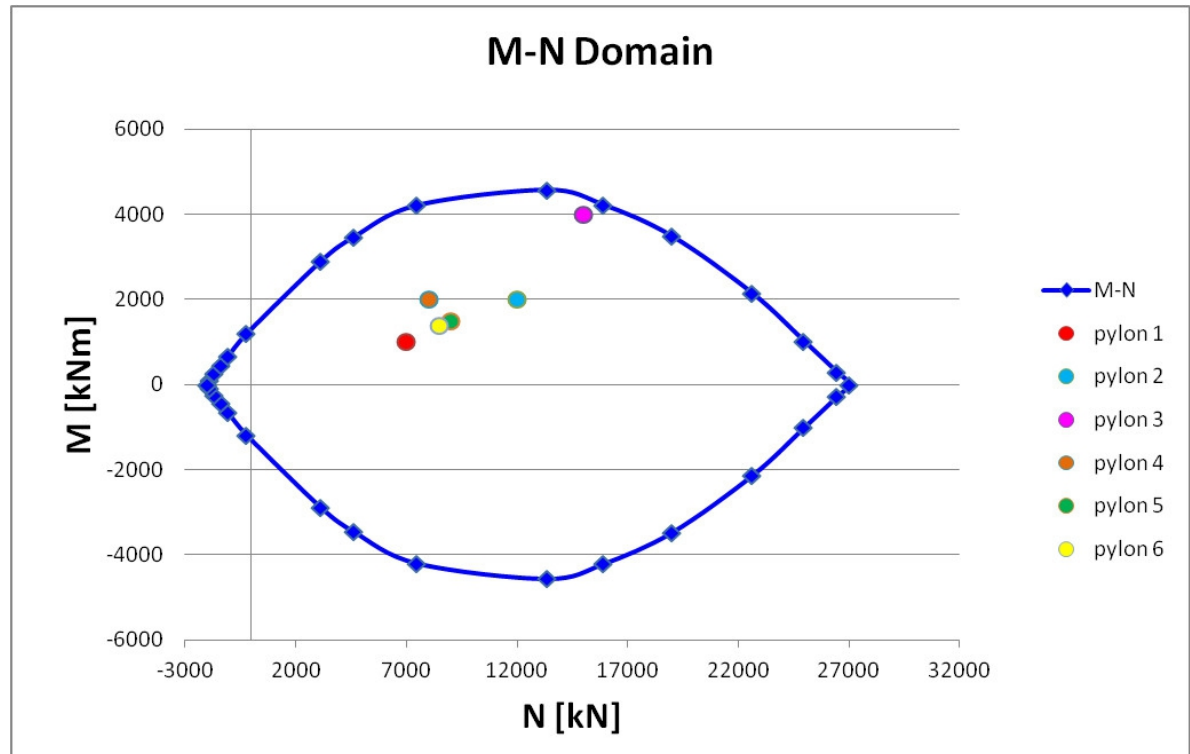
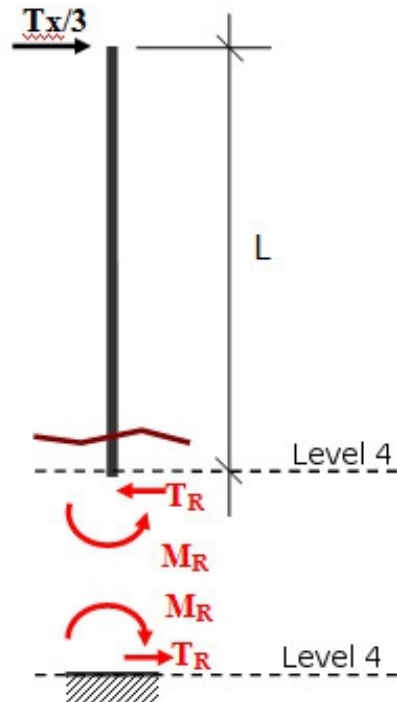
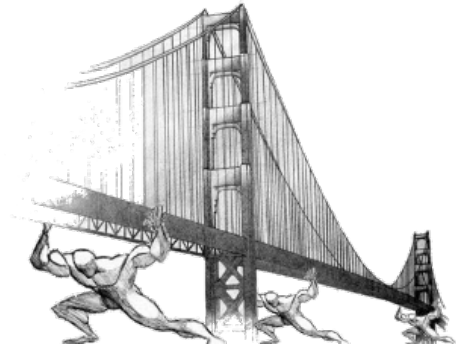
- Actual Project Plan (III)
 - Beta Prototype



Project Status

- Actual Project Plan (III)

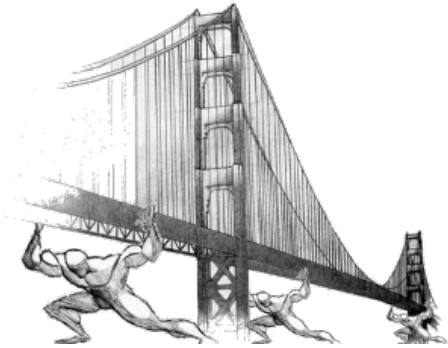
- Beta Prototype



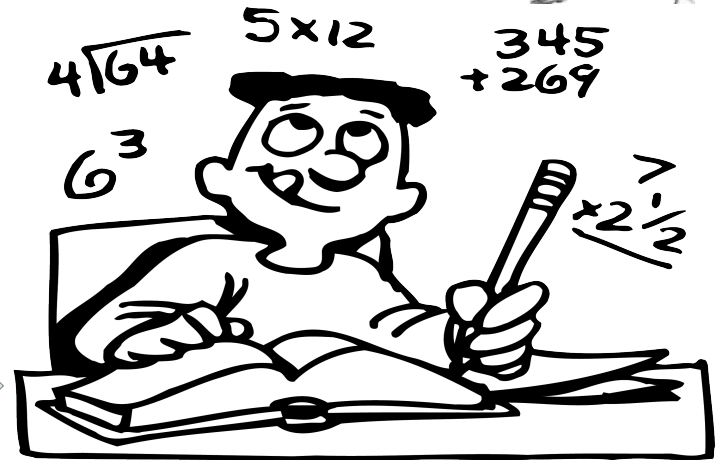
Project Status

- Actual Project Plan (III)

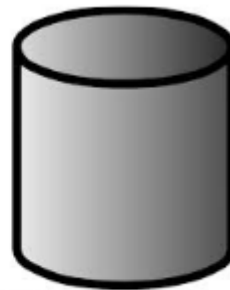
- Beta Prototype



Math Engine

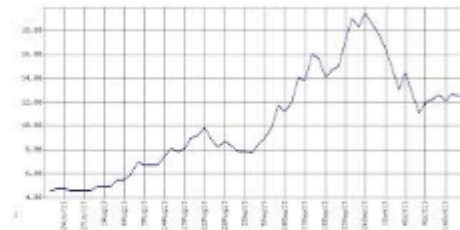


Parser



Servlet

JSP



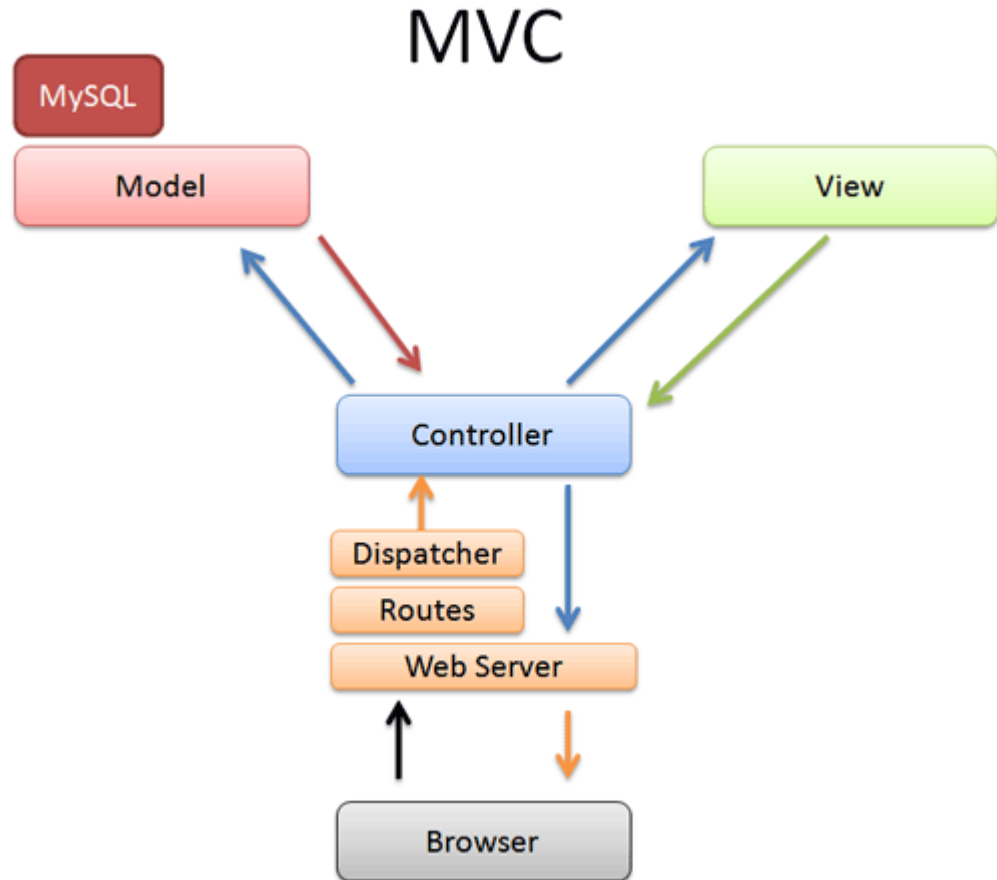
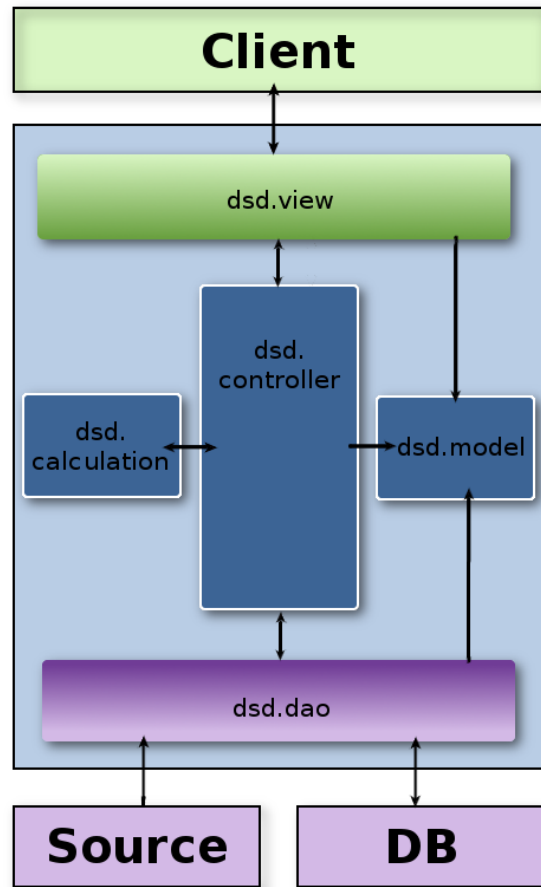
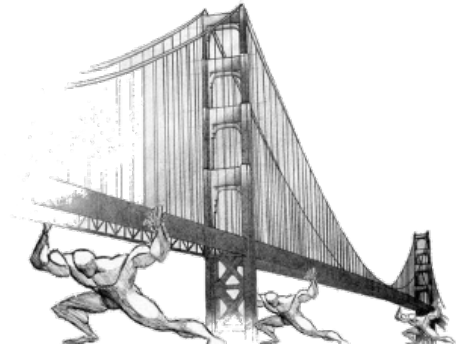
Files

Database

Presentation

Project Status

- Actual Architecture

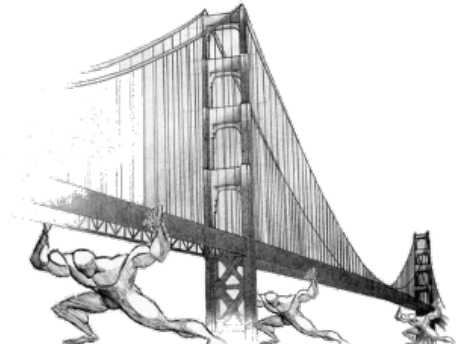


Project Status

- Actual Architecture

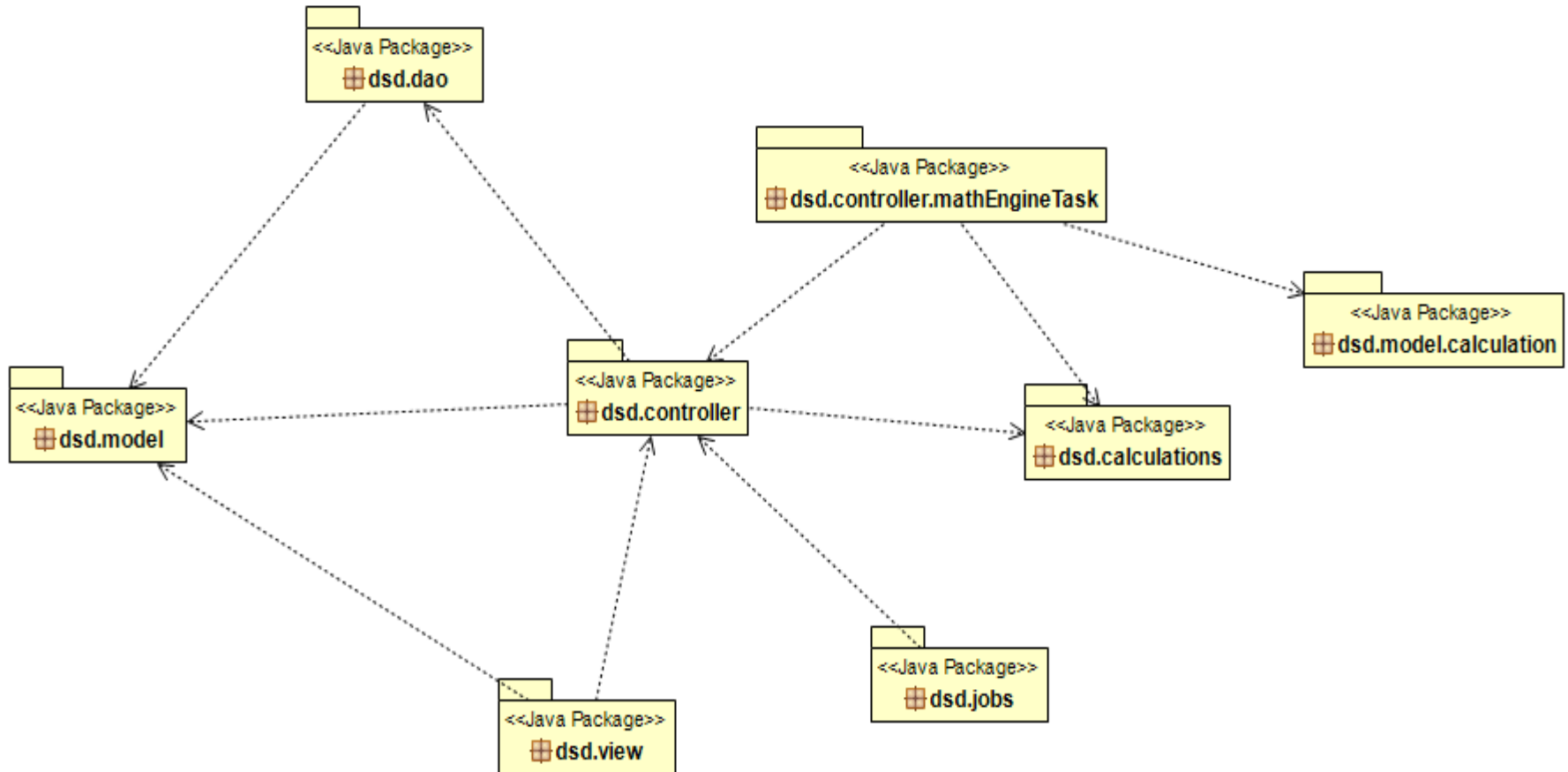
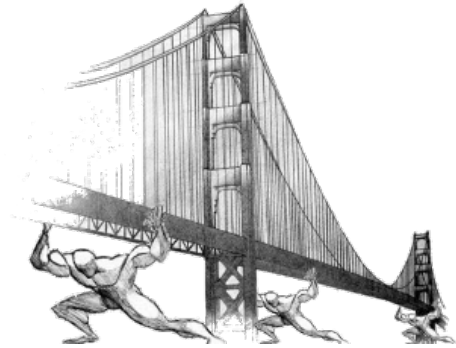
- Modules distribution (persons in charge)

- dsd.dao
 - Marco Brčić and Jörn Tillmanns
 - dsd.controller
 - Each member creates what he needs
 - dsd.model
 - Each member creates what he needs
 - dsd.calculation
 - Lorenzo Pagliari and Andrea Bottoli
 - dsd.view
 - Dzana Kujan, Nikola Radisavljevic



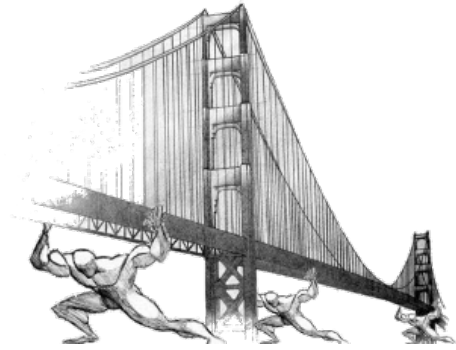
Project Status

- Package Dependencies

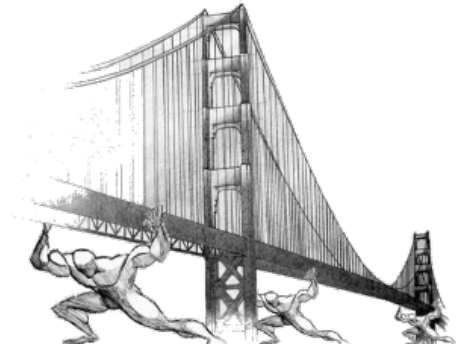


Meetings

- Both chat & video
- Group Meetings
 - Face to face meetings
 - Formally scheduled every Monday and every Thursday 7 PM
- Project Leader & Team Leader Meetings
 - About every day (during the week)
 - Formally scheduled every Tuesday 10 PM

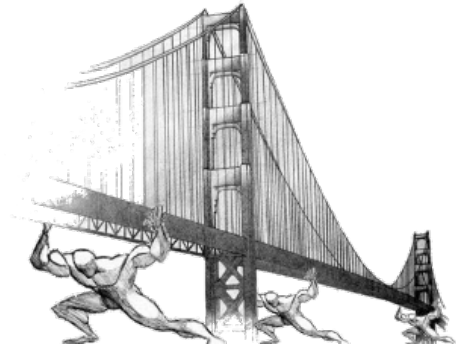


Meetings



- 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

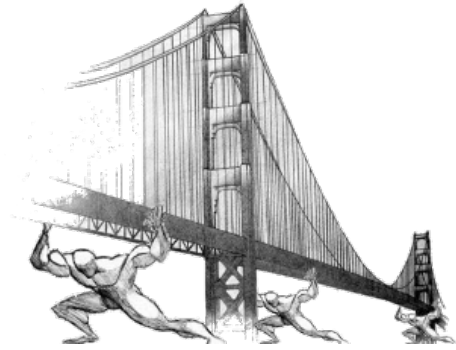


- Supervisors Meetings
 - One every week
 - Inform about
 - Project status
 - Group status & managing
 - Report about customer meetings
 - Gather advices, suggestions and proposals
 - Report problems

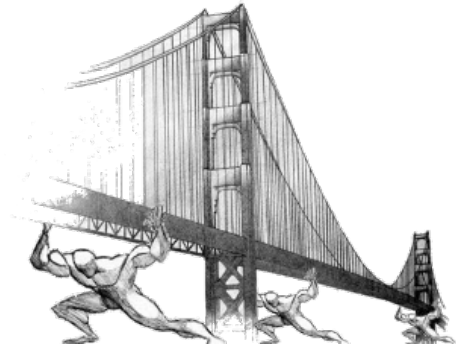
Experiences

- Effort

- << table from summary week report >>

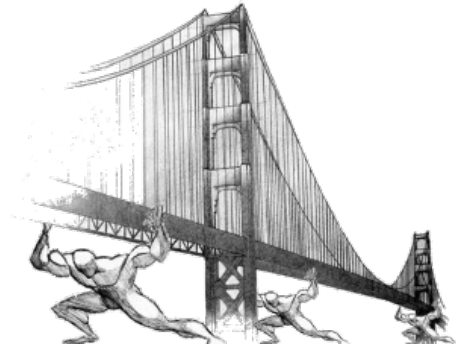


Experiences



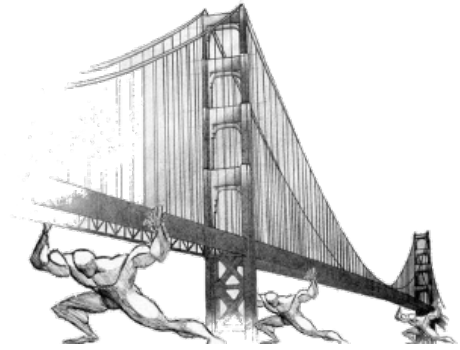
- New Requirements
 - << M-N domain >>
 - << NTC 08 and EU 305/2011 >>
 - << NEW MOCKUPS >>

Experiences



- Changes in documentation
 - Requirement document
 - 3 versions, working on the 4th (the final one)
 - Design document
 - 3 versions, working on the 4th
 - Input and Conversions
 - 5 versions, now it is complete

Experiences



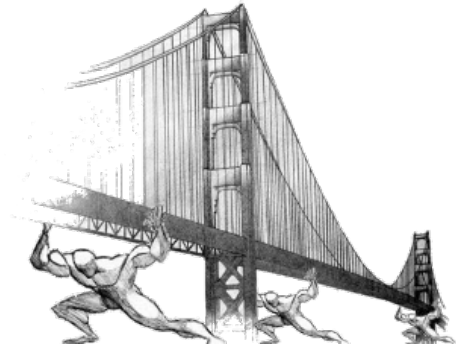
- Problems

- Communication
- Management
- Inefficient meetings
- Technologies not familiar to all
- Setting up environment
- Being late for meetings

- Solutions

- Additional Meetings
- Tasks on github
- Meeting agenda introduced
- Additional hours spent on learning
- Helping each other :)
- Chocolate penalties :)

Experiences

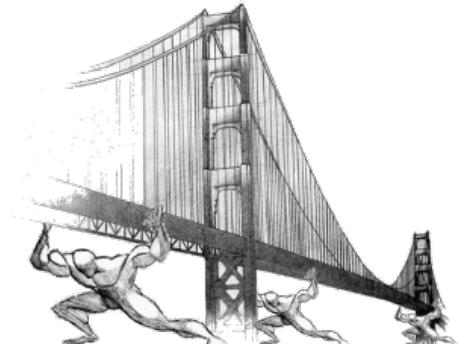


- Problems and Solutions

- Ghazaleh

- She decided to left the group
 - Our supervisors told her that her that her contribution to the project was too small to be considered sufficient for the purposes of this course

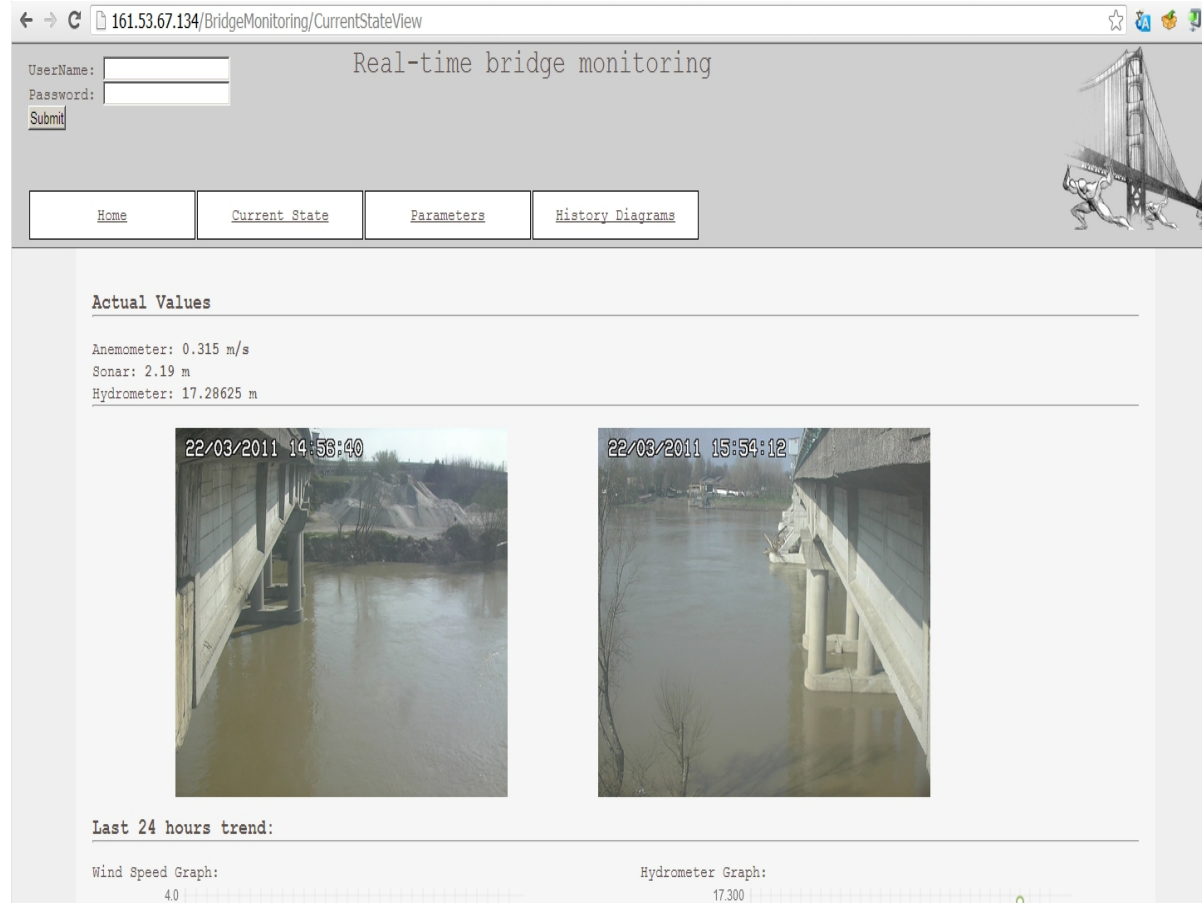
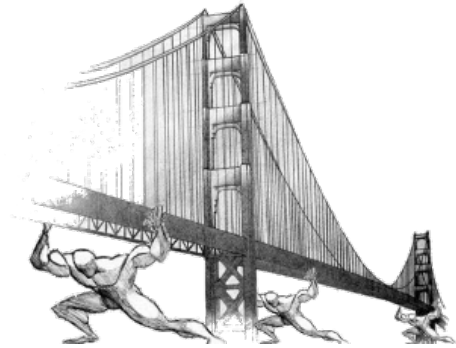
Experiences



- Positive experiences
 - Team work
 - Fun meetings :)
 - Everyone is doing a hard work and trying to do the best they can
 - Improved skills and distributed development experience
 - Good collaboration

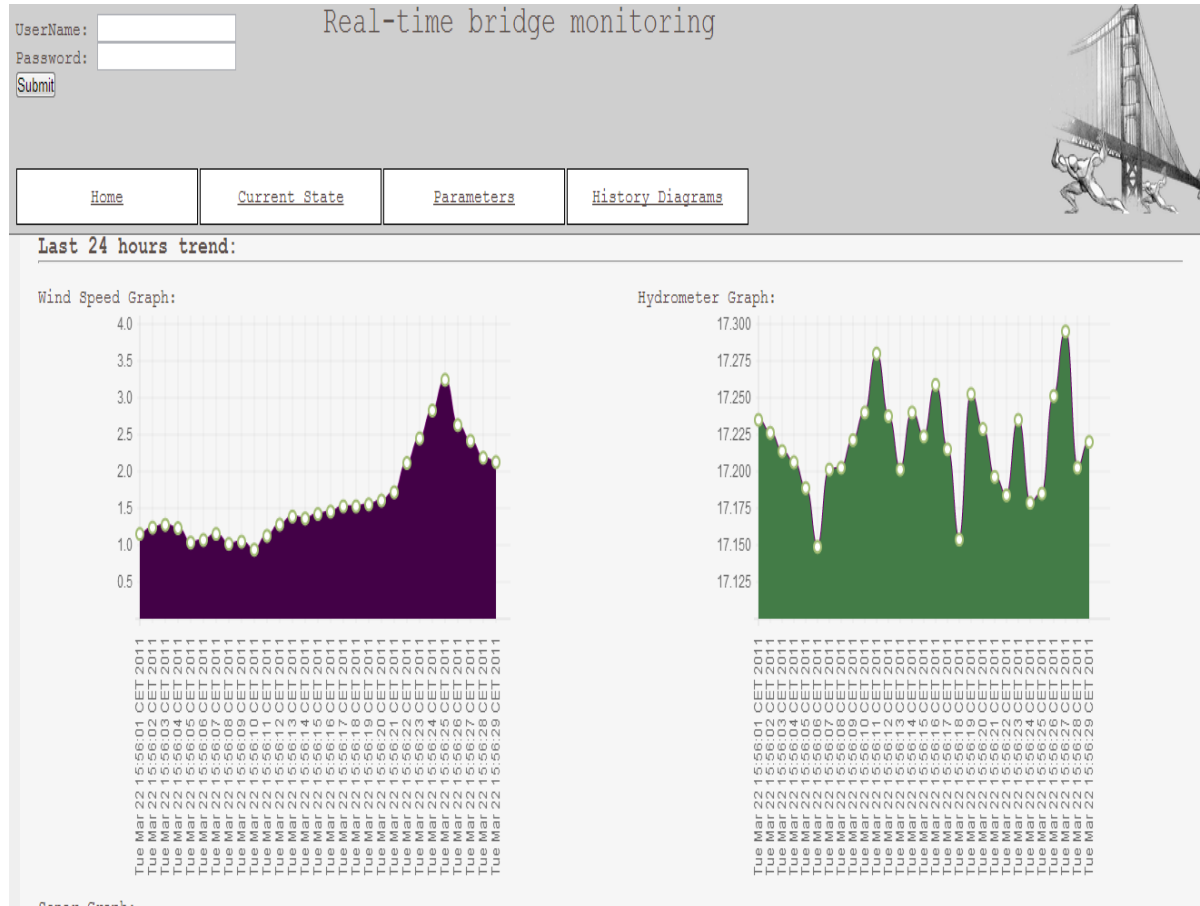
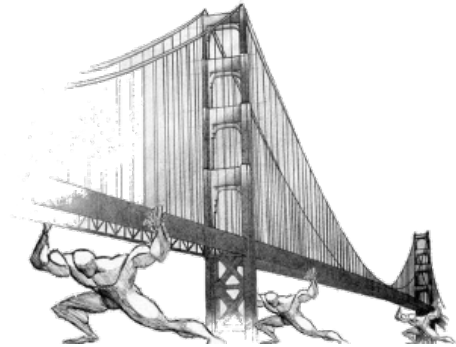
The Web Site

- Some Screenshots



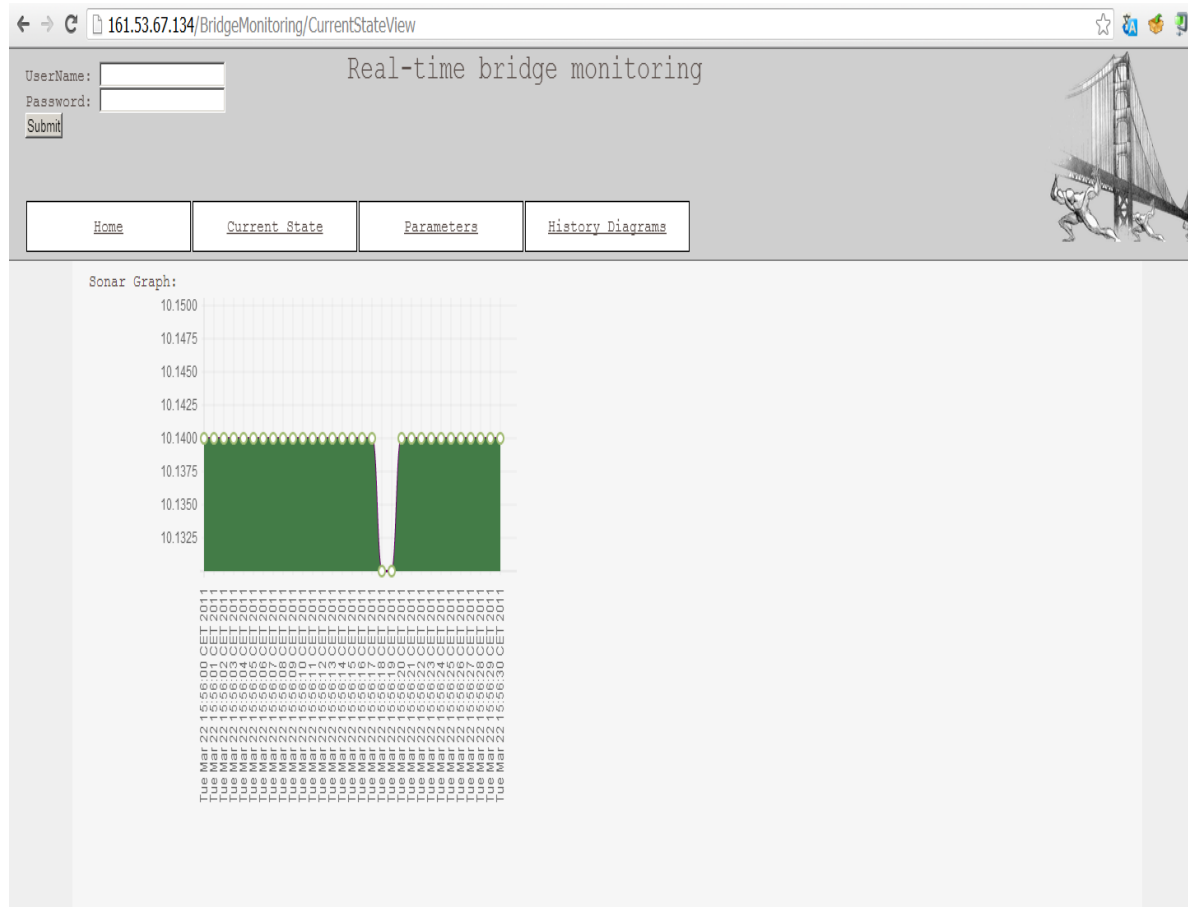
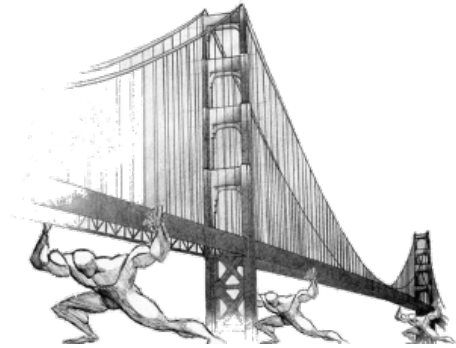
The Web Site

- Some Screenshots



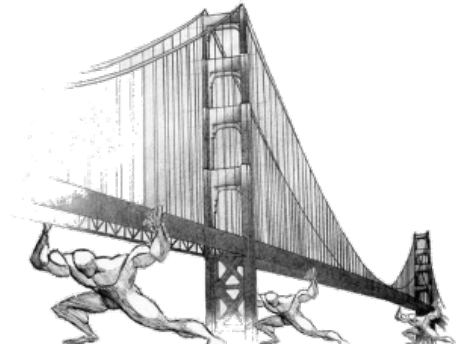
The Web Site

- Some Screenshots

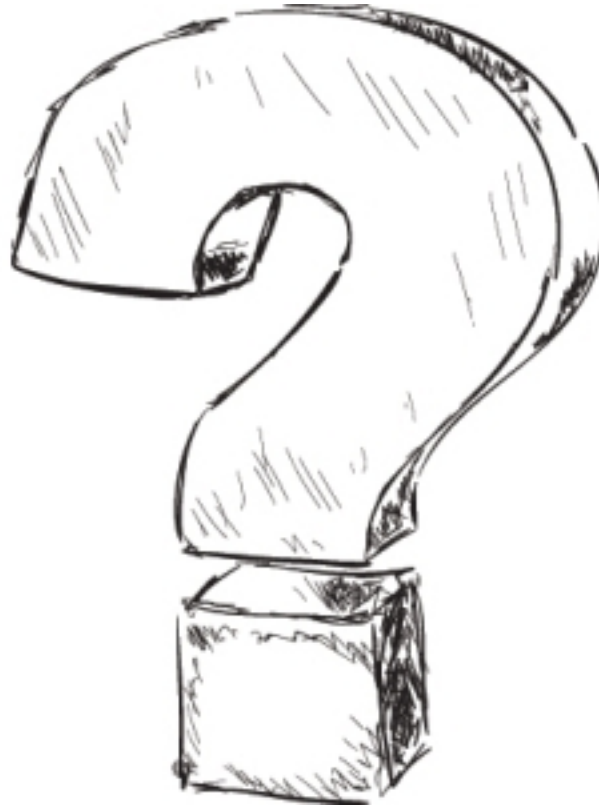
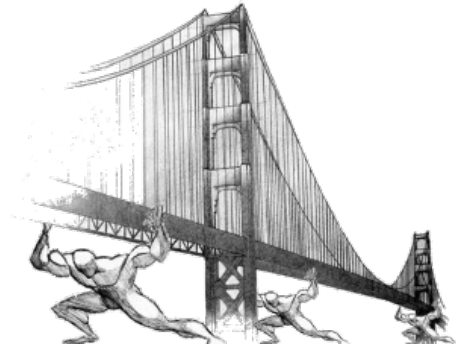


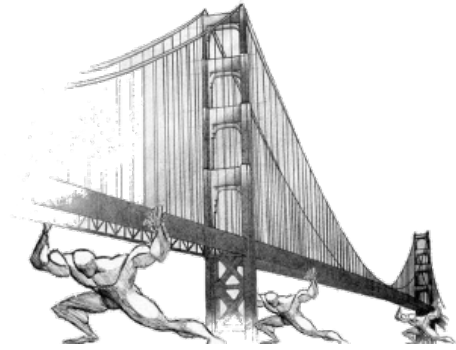
The Web Site

- Live demo
 - <http://161.53.67.134/BridgeMonitoring>



Question Time





Thank you for your attention

