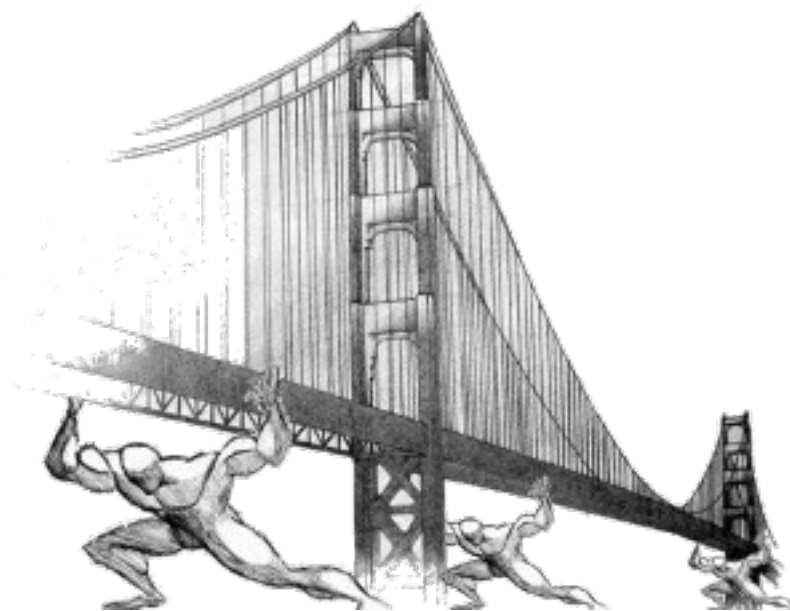


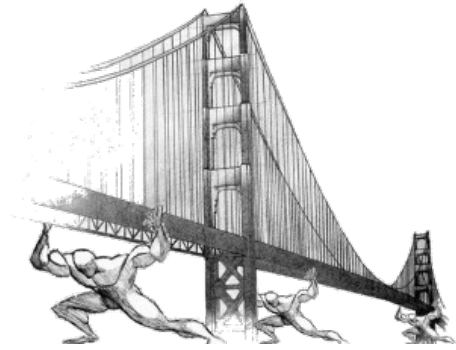
Distributed Software Development

The Development Group

Real-Time Bridge Monitoring Requirements & Design

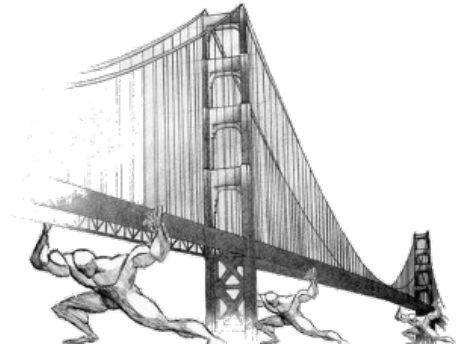


Overview (I)



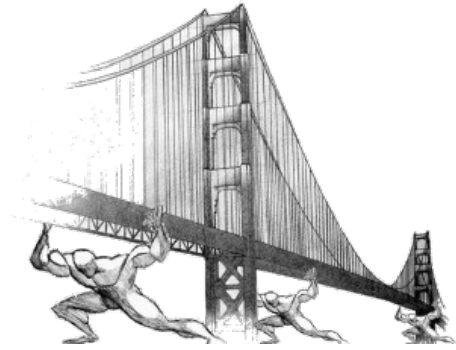
- Team Organization
 - The Development Group
- Requirements
 - Use Cases
 - Mock-up
 - Non-functional Requirements

Overview (I)

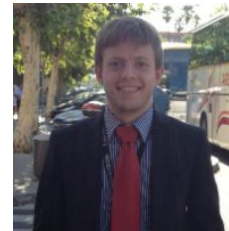


- Design
 - Scope
 - Interfaces
 - Technologies
 - Architecture
 - Parser
 - Data Relations

Team Organization



- The Development Group

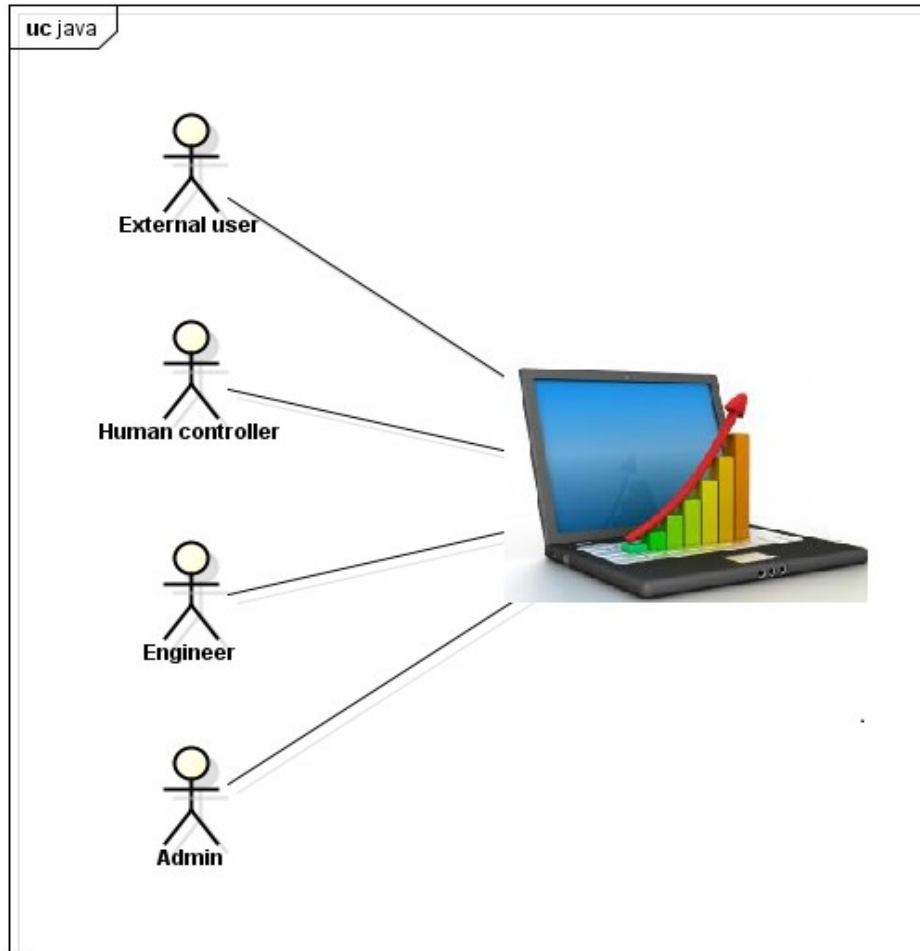
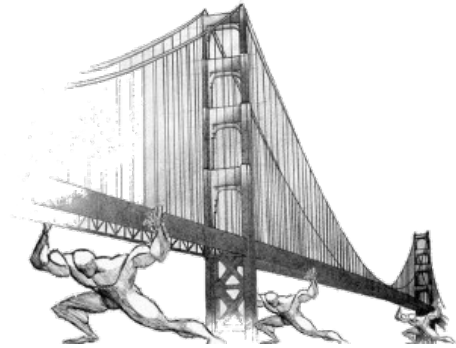


Andrea Bottoli (PoliMi) Lorenzo Pagliari (PoliMi) Marko Brčić (FER) Ghazal Shojaee (PoliMi)

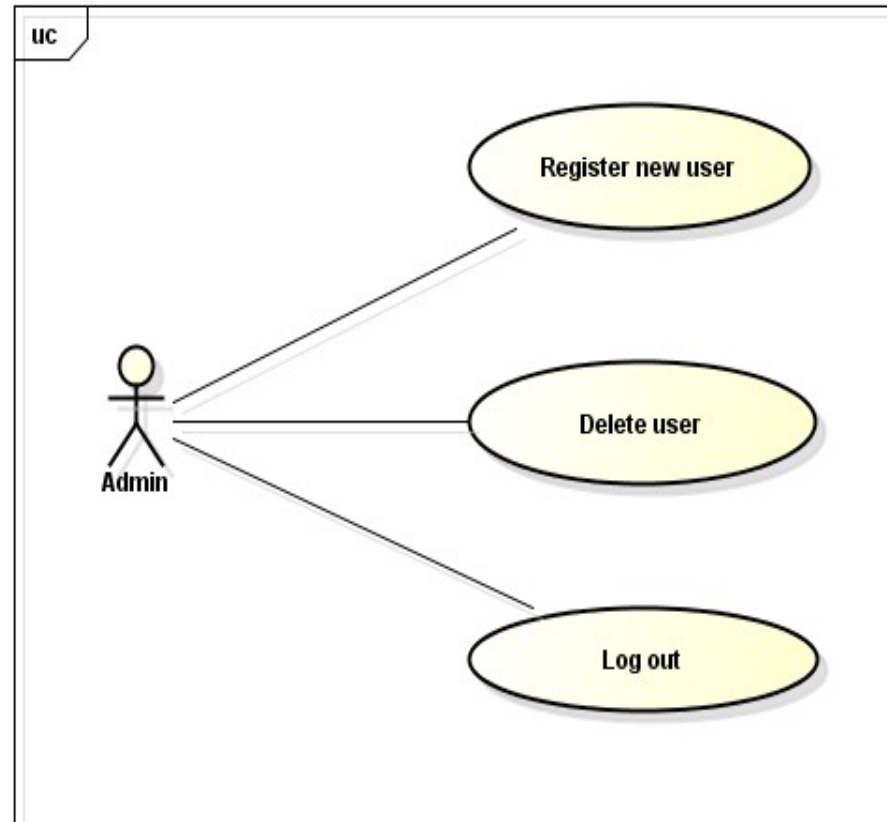
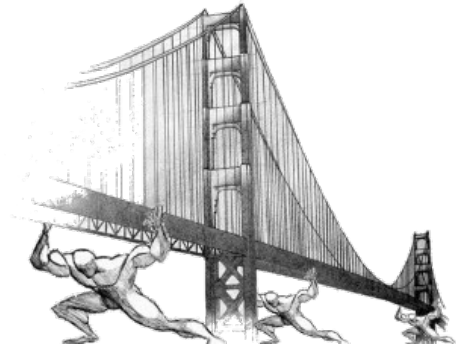


Dzana Kujan (MDH) Jörn Tillmanns (MDH) Miraldi Fifo (MDH) Nikola Radisavljevic (MDH)

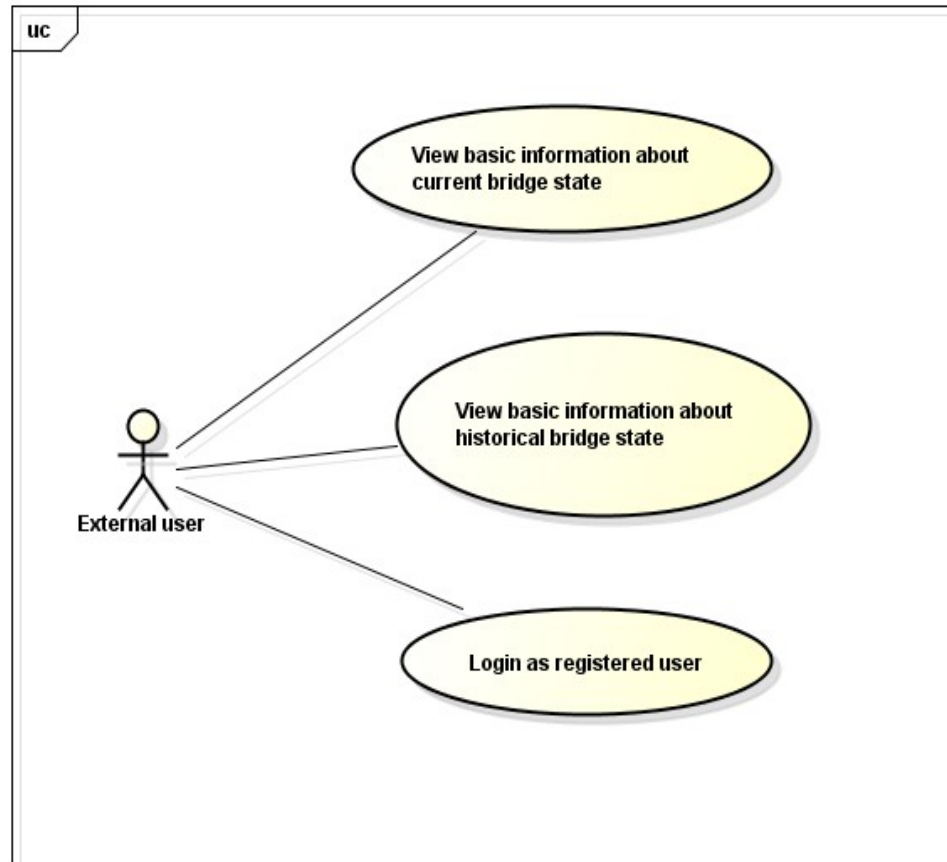
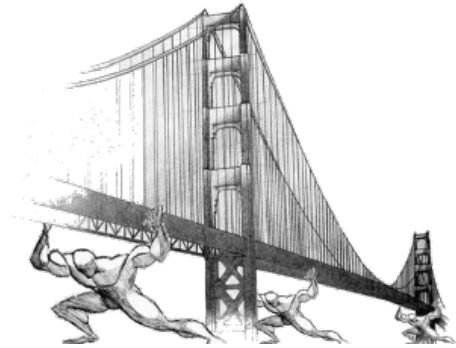
Use Cases



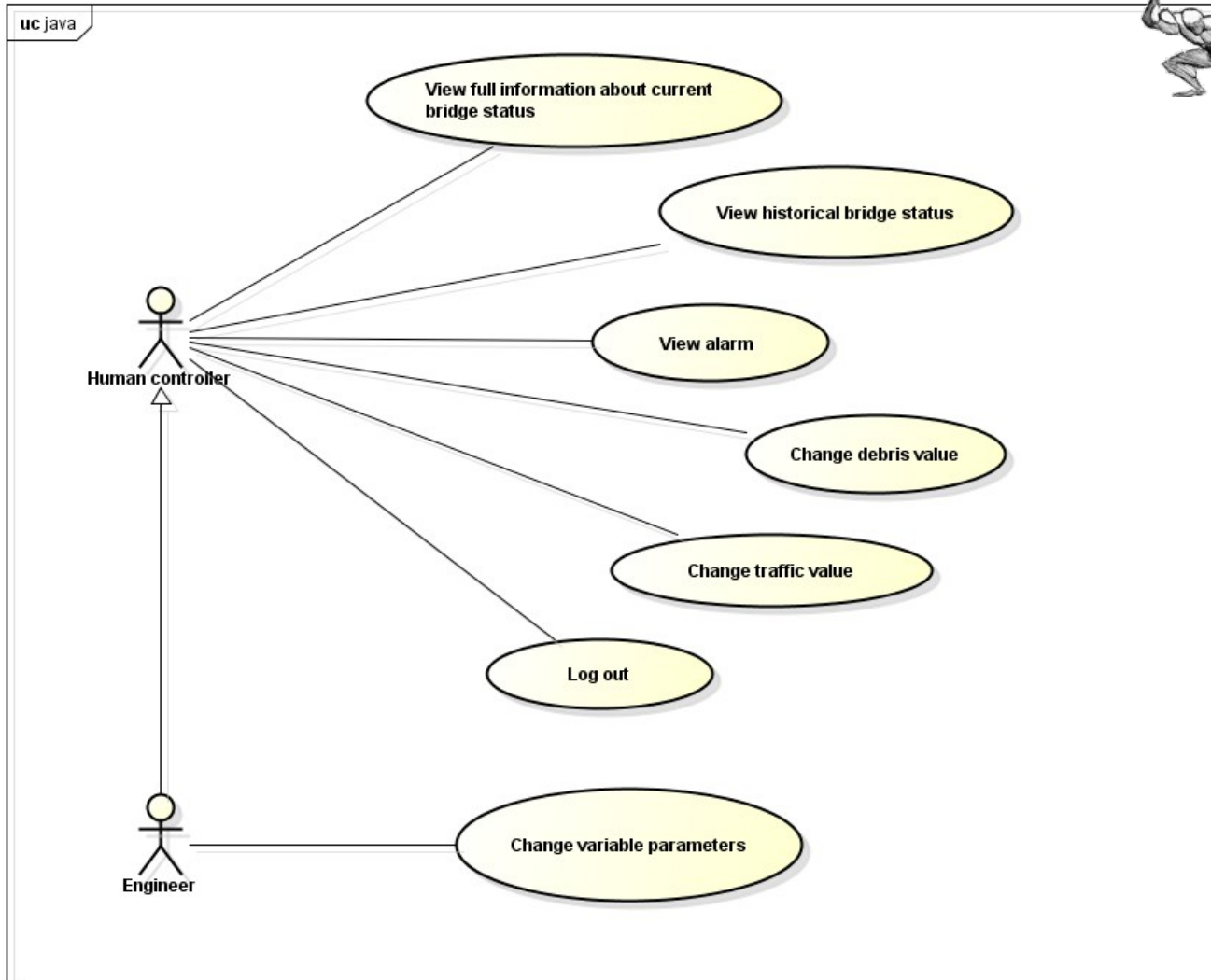
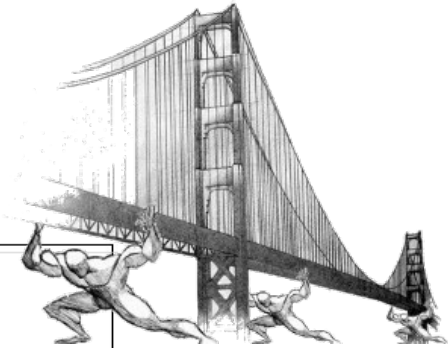
Use Cases



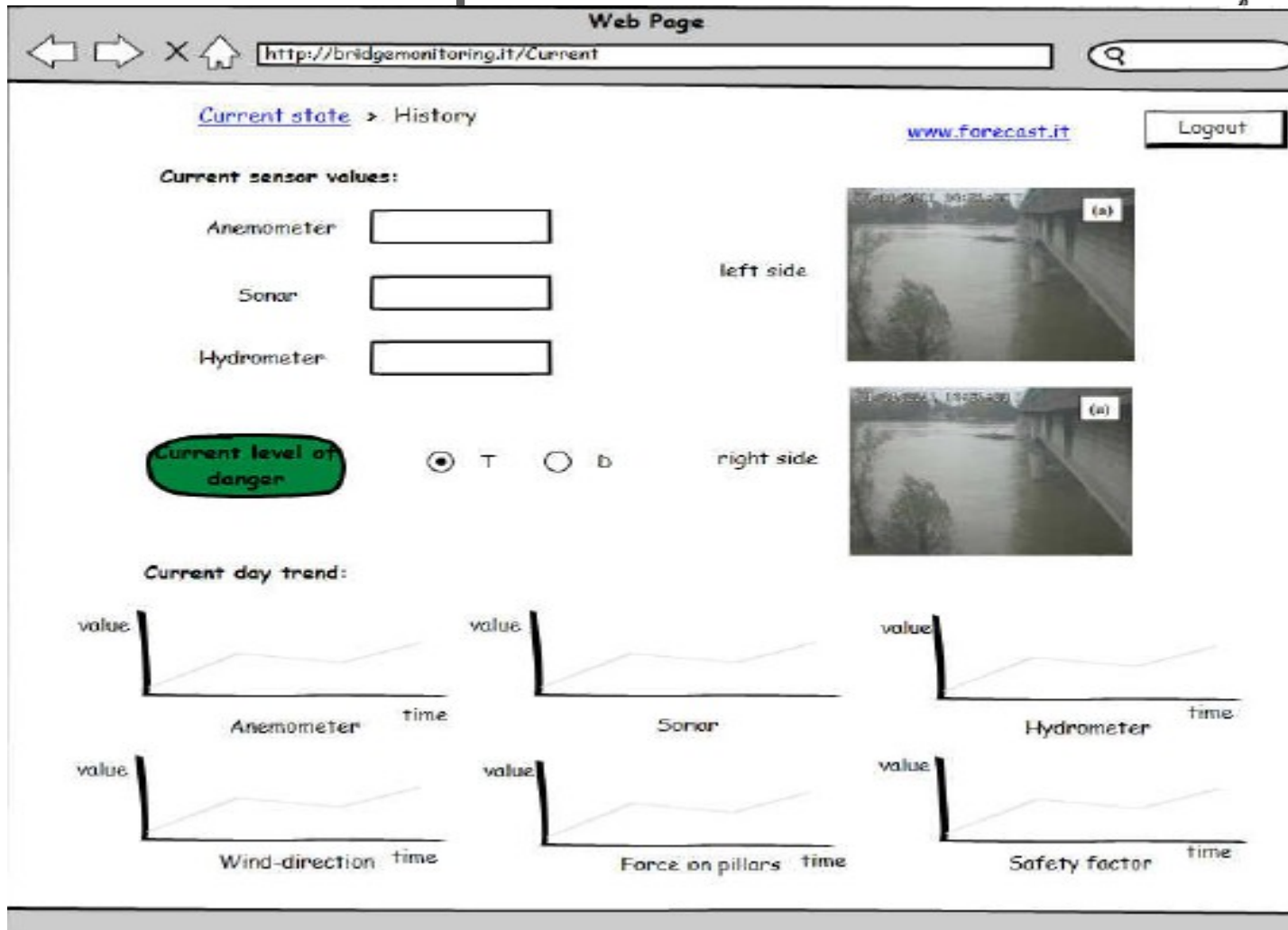
Use Cases



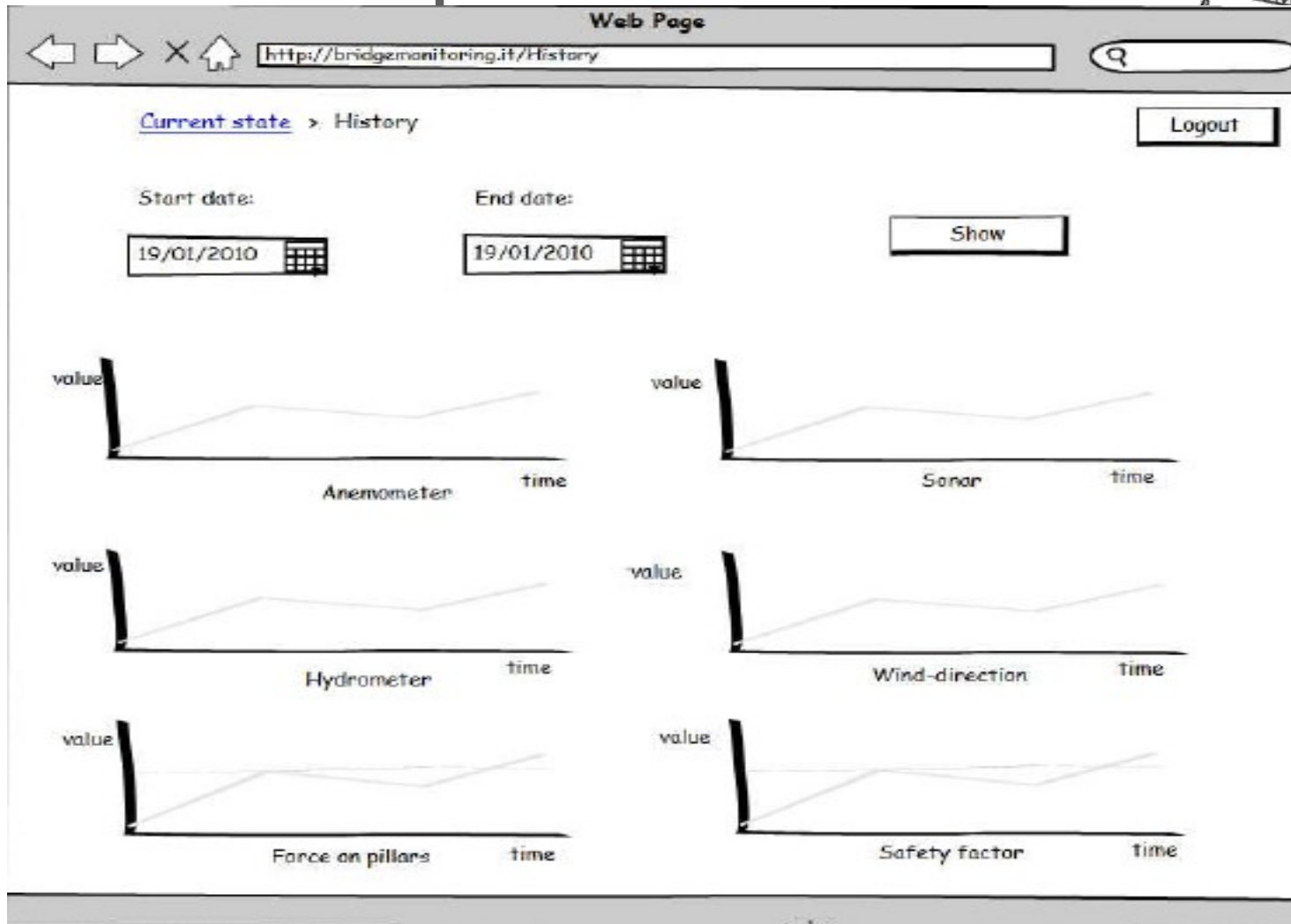
Use Cases



Mock-up for Human Controller



Mock-up for Human Controller



Mock-up for engineer



Web Page

← → × 🏠 🔍

Change boundary values:

| | | | |
|--|----------------------|----|----------------------|
| <input type="button" value="Alarm"/> | <input type="text"/> | to | <input type="text"/> |
| <input type="button" value="Alert"/> | <input type="text"/> | to | <input type="text"/> |
| <input type="button" value="Pre-Alert"/> | <input type="text"/> | to | <input type="text"/> |

Mock-up for admin



Web Page

← → × ↑

Add new user:

Username:

First name:

Last name:

e-mail:

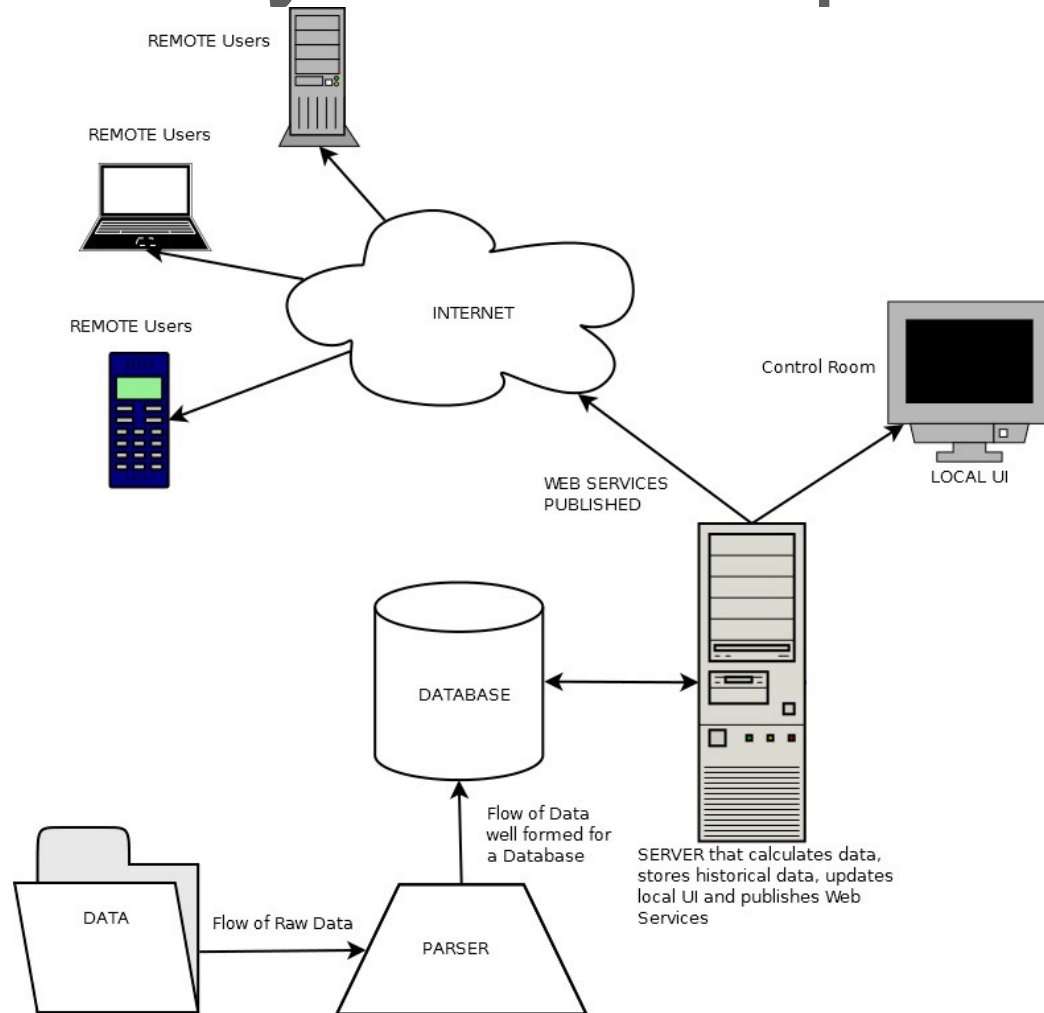
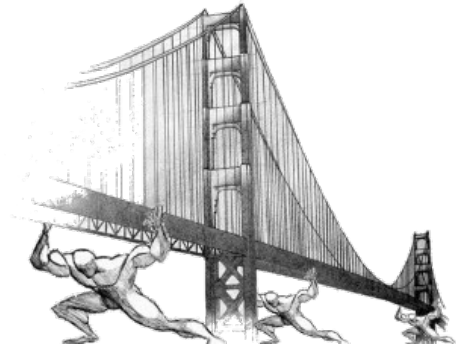
Permission level: ▼

Non-functional Requirements

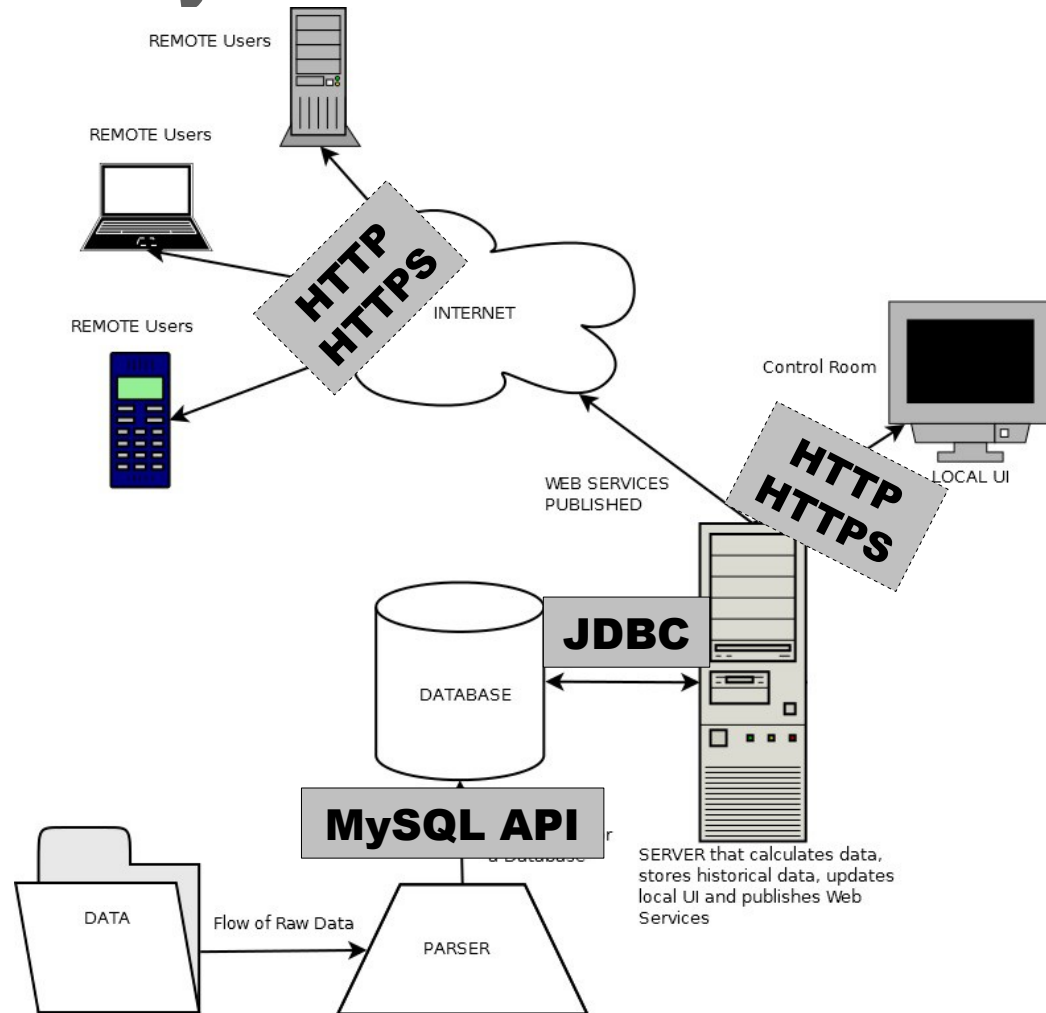
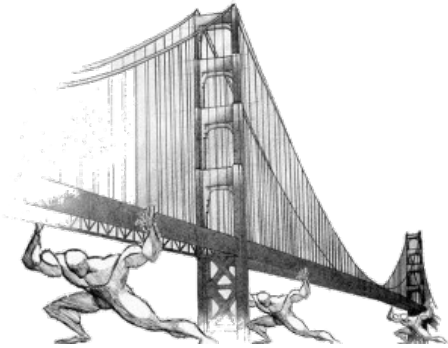


- Confirmation pop-up windows
 - Are you sure to delete this user?
 - Are you sure to change the bounds of risk factors?
- Data updates every 10 minutes – 1 hour
- Different permission levels

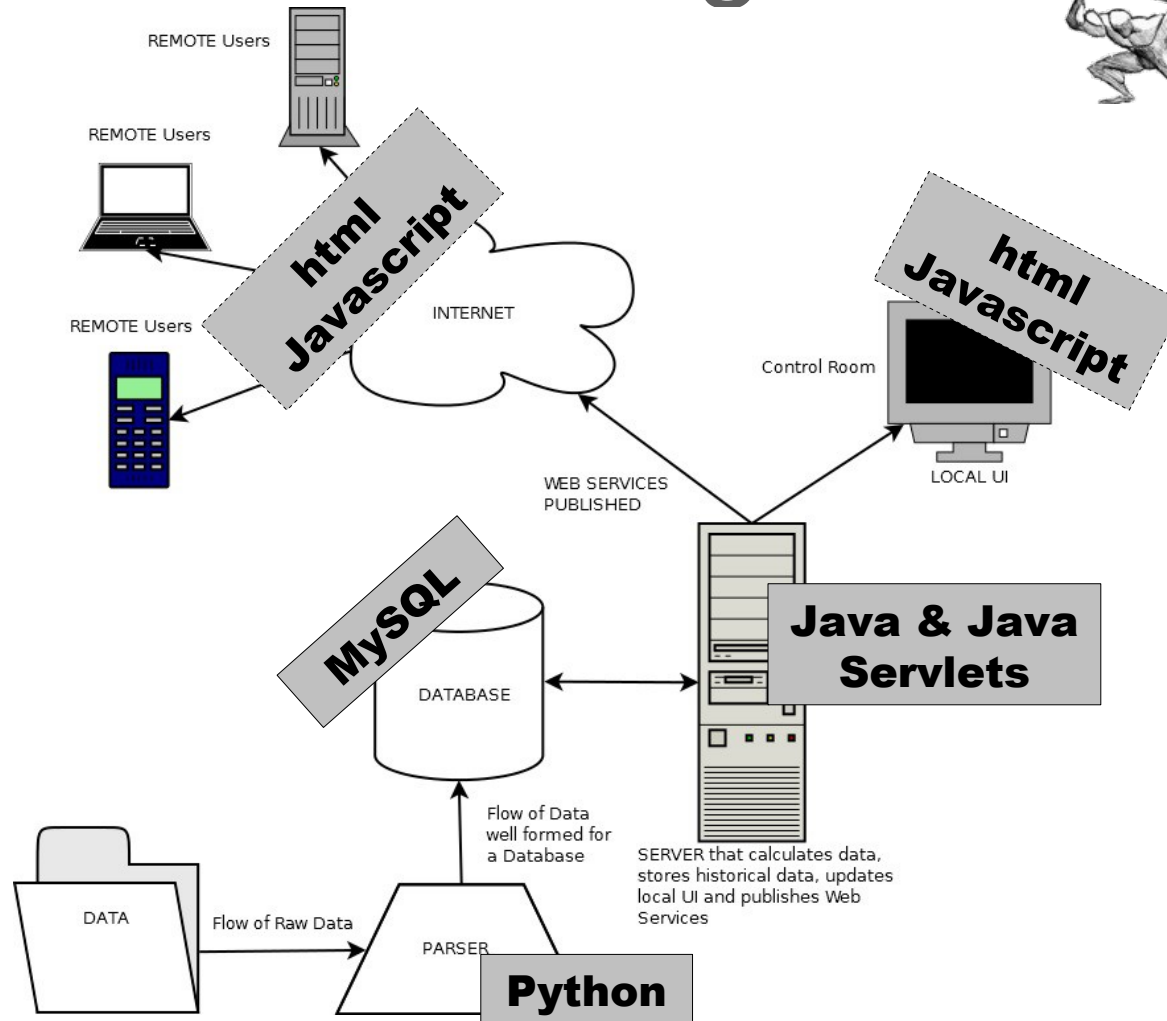
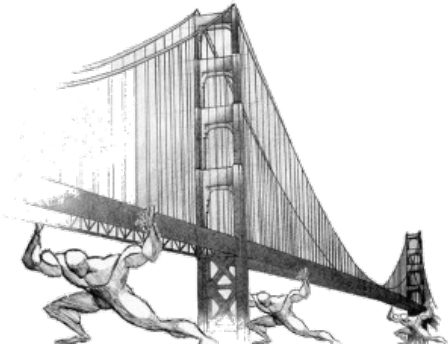
System Scope



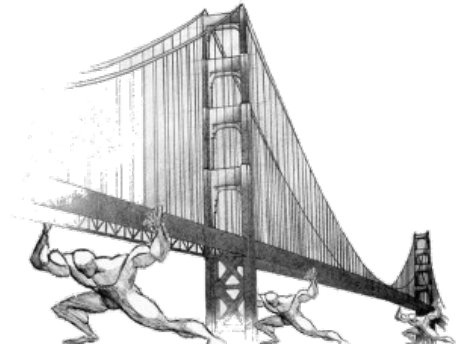
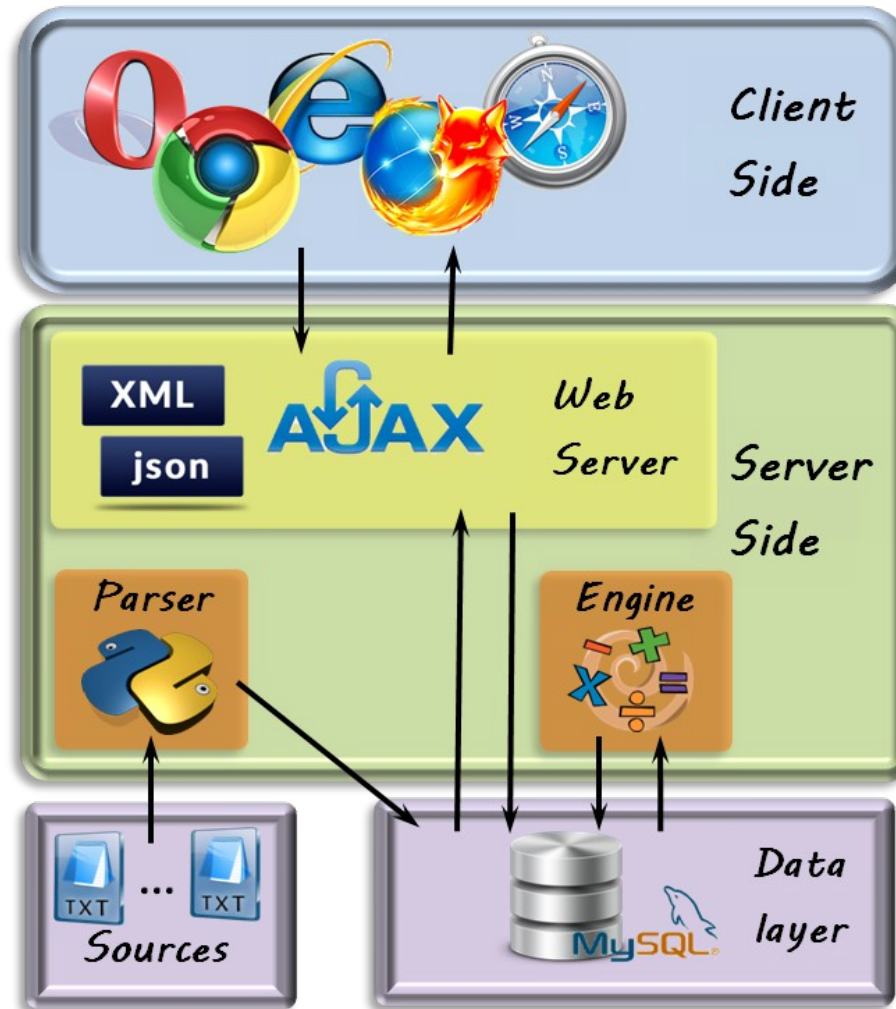
System Interfaces



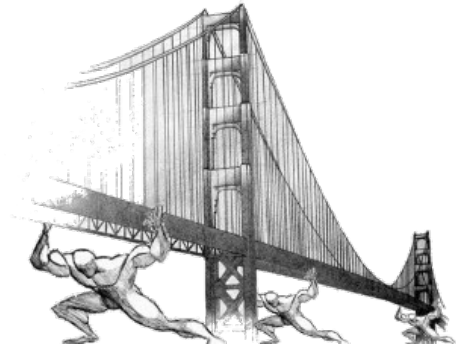
Technologies



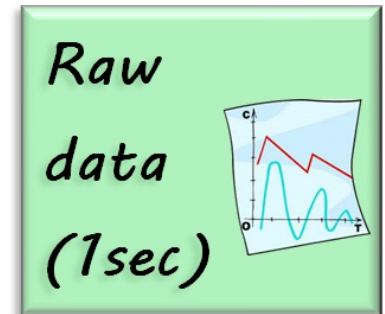
Architecture



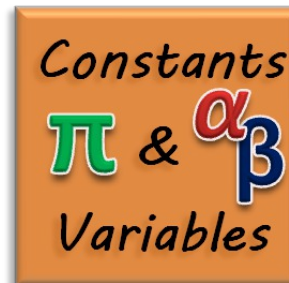
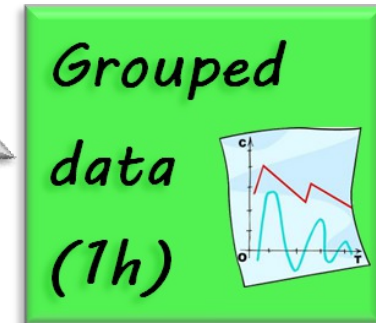
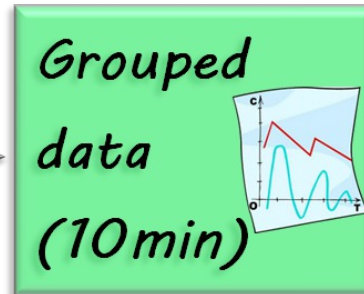
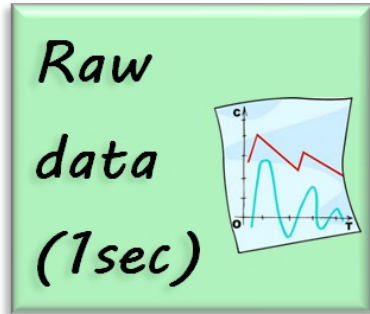
Parser



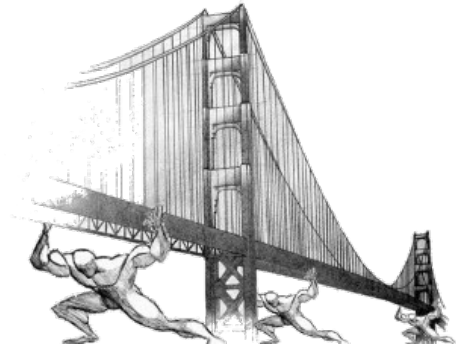
•
•
•



Data Relations



Question Time



-
- A word cloud featuring the phrase "Thank You" in numerous languages. The words are arranged in a roughly rectangular shape, with "THANK YOU" being the largest and most central. Other prominent words include "GRACIAS", "ARIGATO", "SHUKURIA", "BOLZIN", and "MERCY". The background is white, and the text is black.