Home Office 2.0 - Virtual Project Office

Wintersemester 2010/2011
HAW-Hamburg
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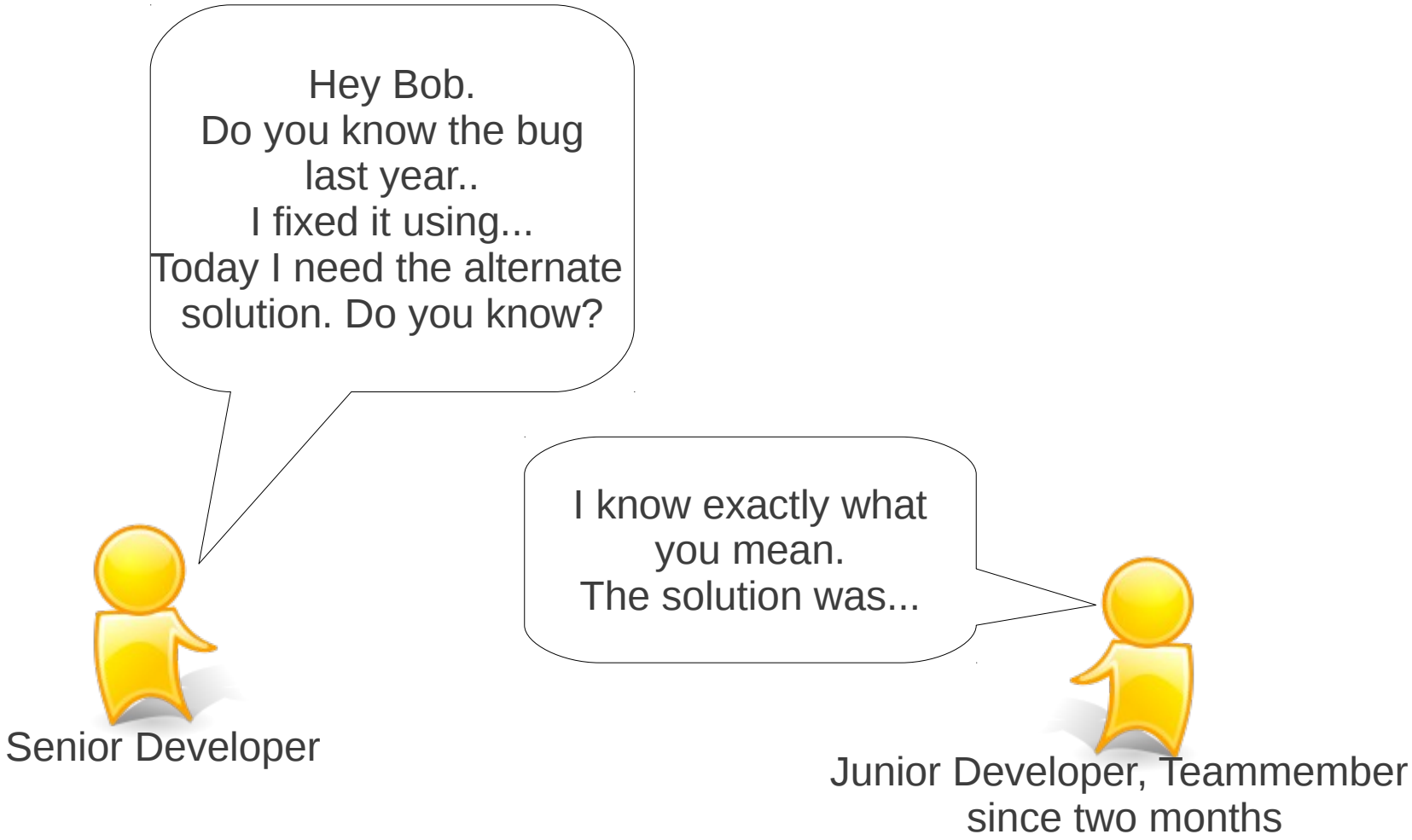
Summary

- Vision
- Background
- Problems
- Approach
  - Architecture
  - Work plan
  - Risks
  - Proceeding

Vision


Hey Bob.
Do you know the bug last year..
I fixed it using...
Today I need the alternate solution. Do you know?
I know exactly what you mean.
The solution was...
Senior Developer
Junior Developer, Teammember since two months

Distributed Teams

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- Different Locations

Distributed Teams

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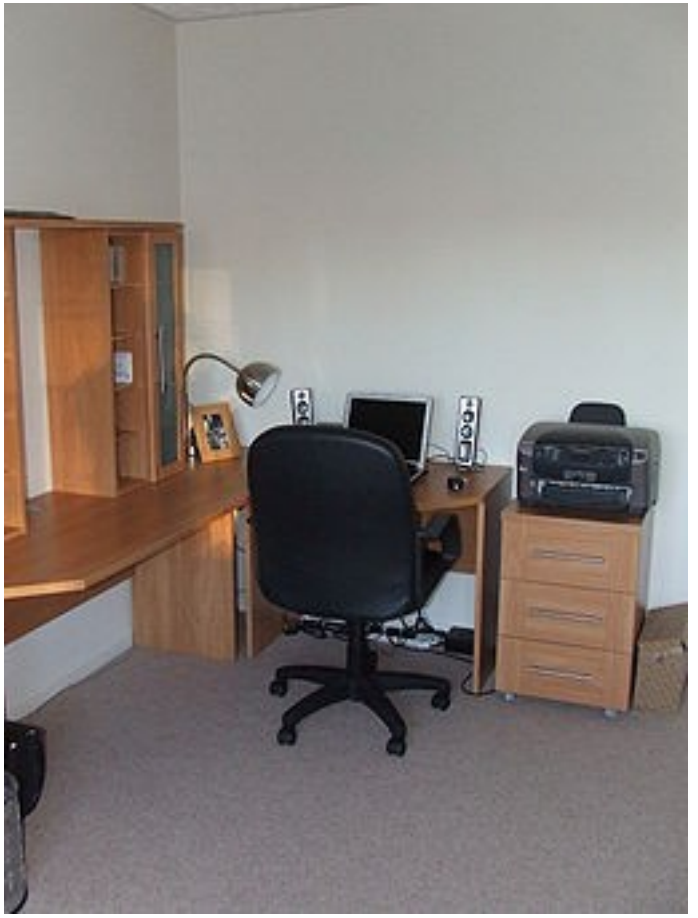
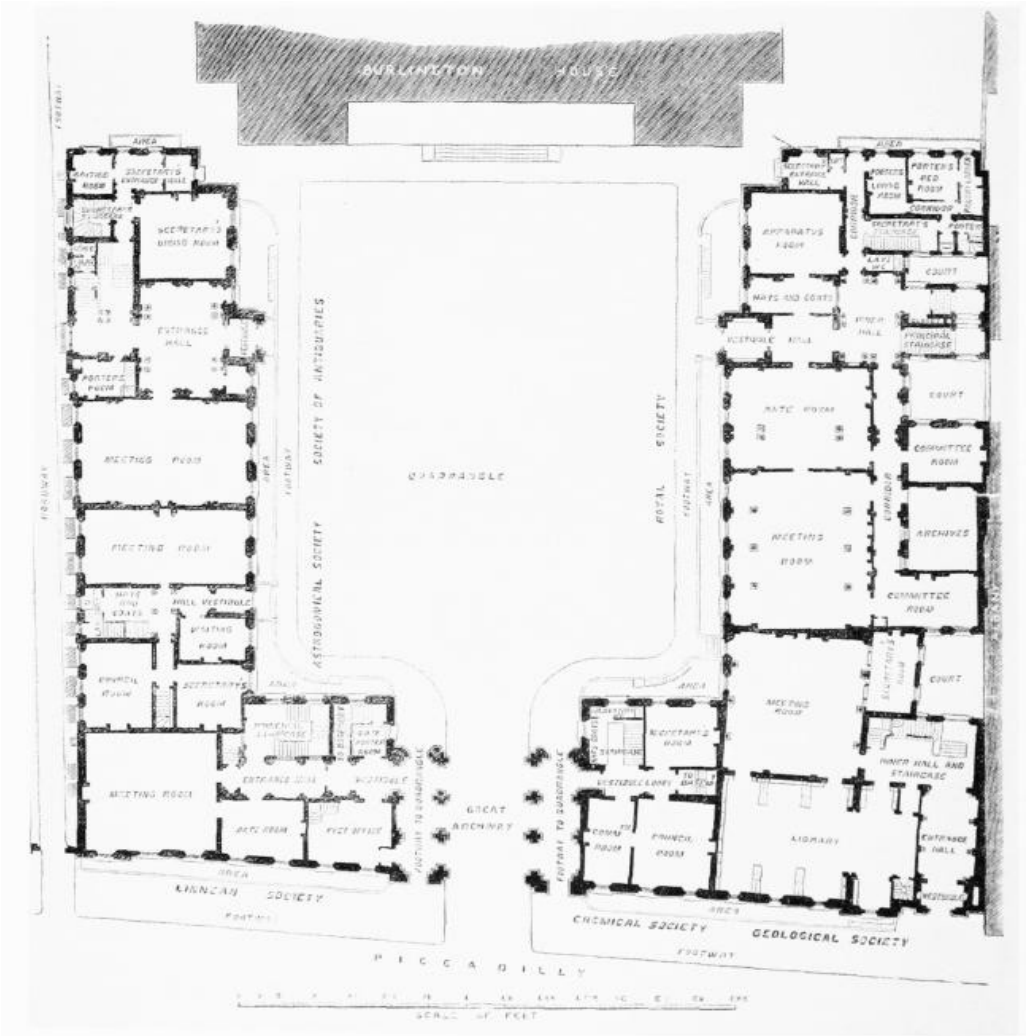
- Home Office



Distributed Teams

- Offices



Problems

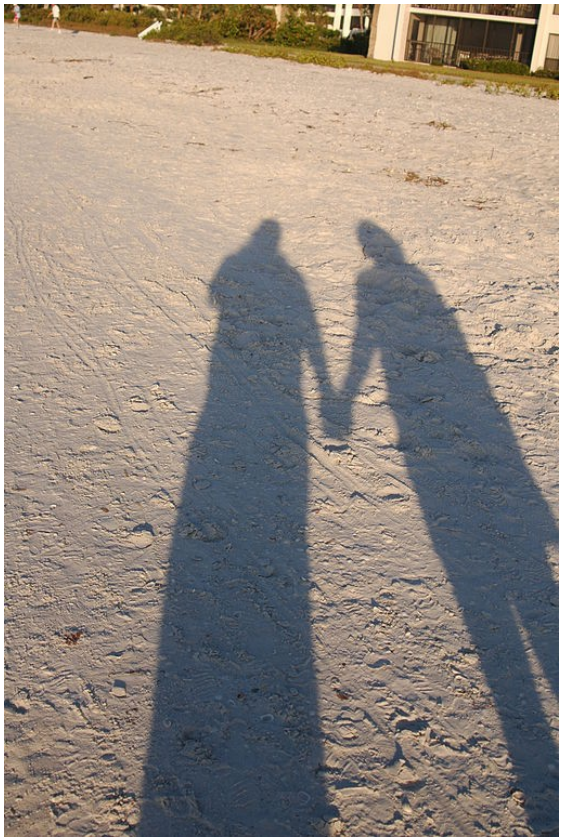
- Redundant work

Investigates how to setup a testsystem

Investigates how to setup a testsystem

Problems

- Trust needs touch



Problems

- Team-building

Problems

- Communication

Virtual Project Office

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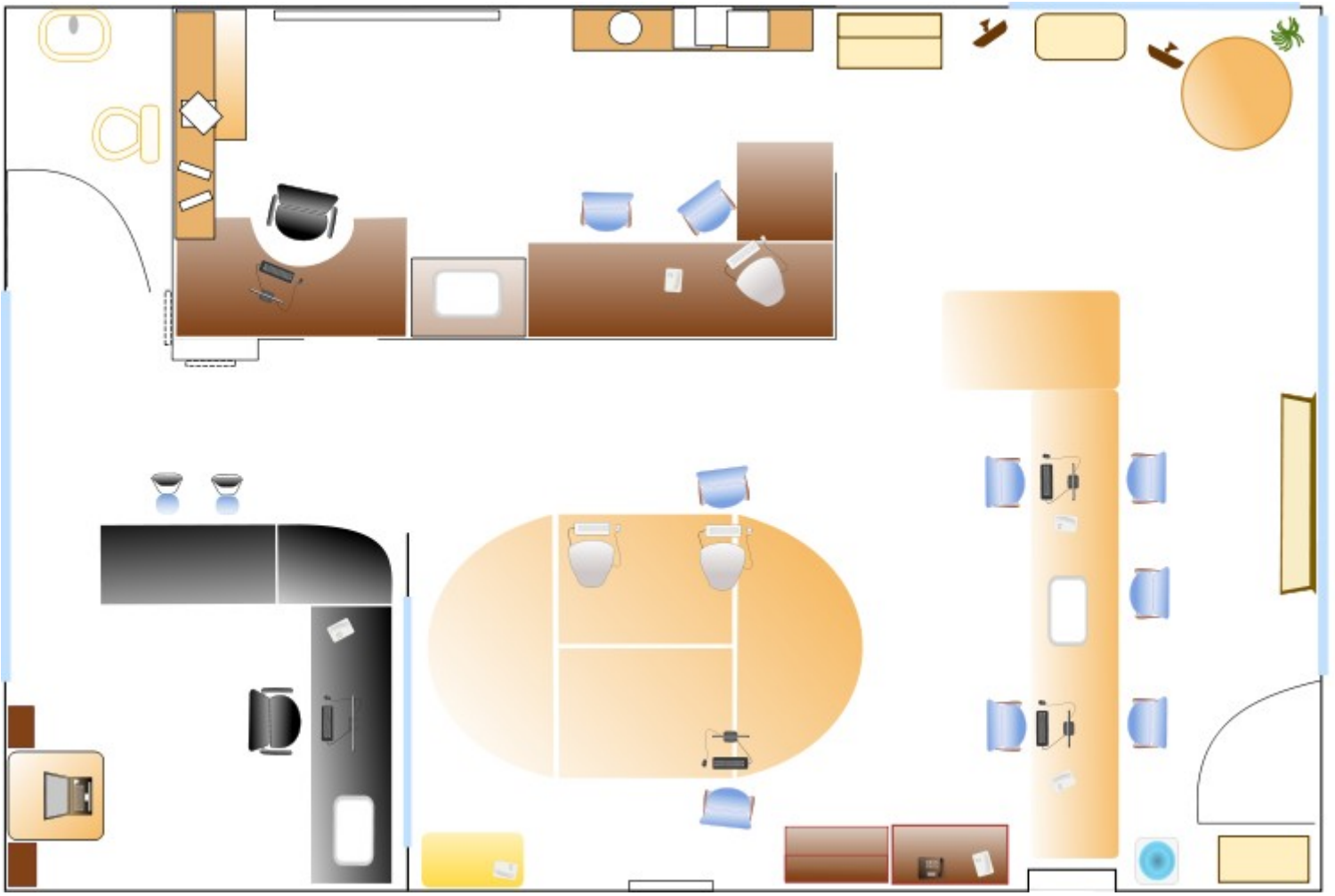

Planos de una Oficina

Metaphor

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Open plane office

- Short ways
- Background noise
  - Who works whereof
  - How are my colleagues
- Atmosphere
- When is it ok to disturb?

Not another Second Life

Learning from

facebook

twitter

After work I buy a new car

Goals

- Connecting people
- Stay connected
- Work task awareness
- Support communication
- Link Information Objects
- Who can help

Related work input

- Knowledge worker context
- Share the context

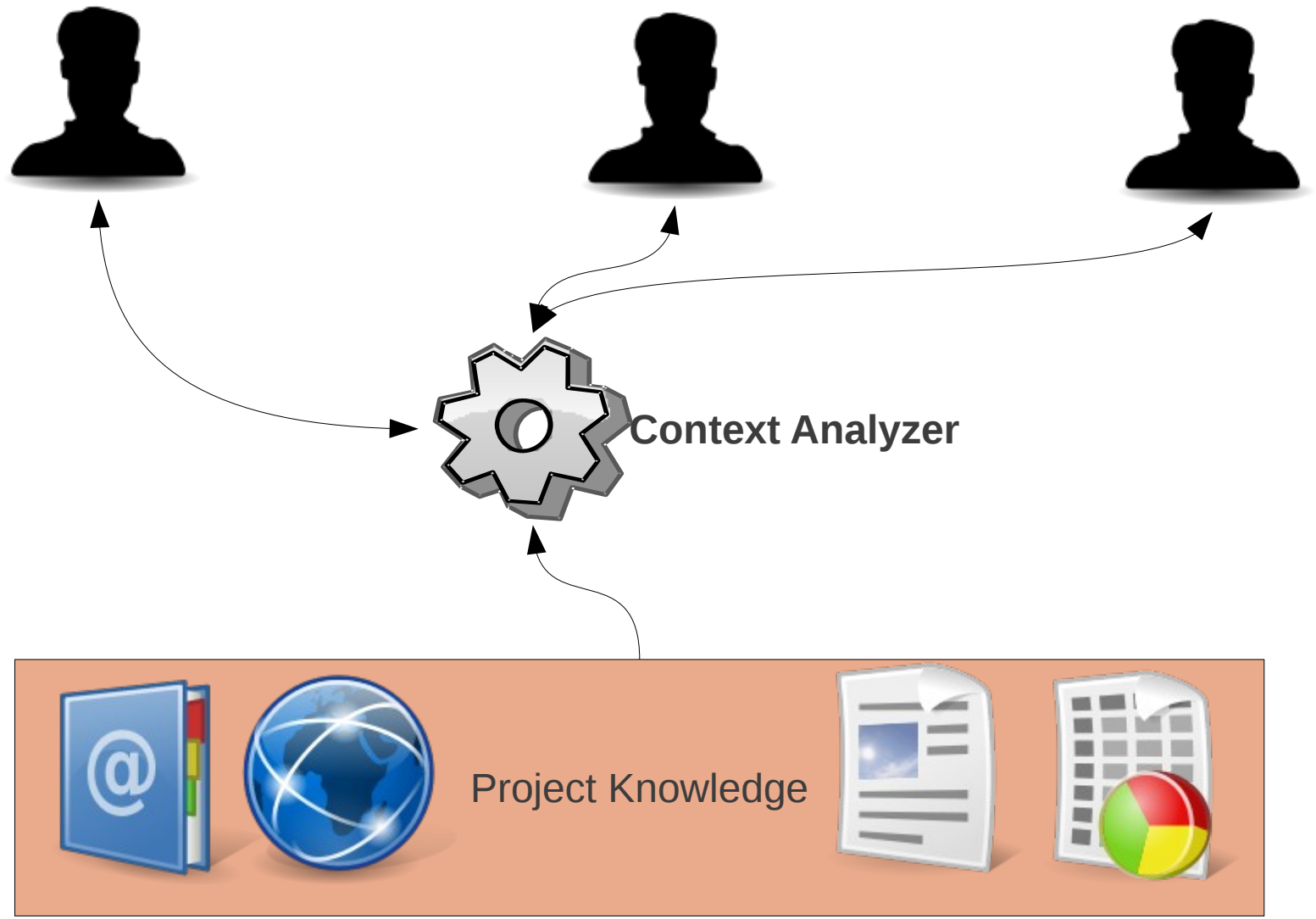
Related work input

- Task Context
- Information Objects
- Degree Of Interest

Related work input

- Informations
  - People
  - System
  - Relations

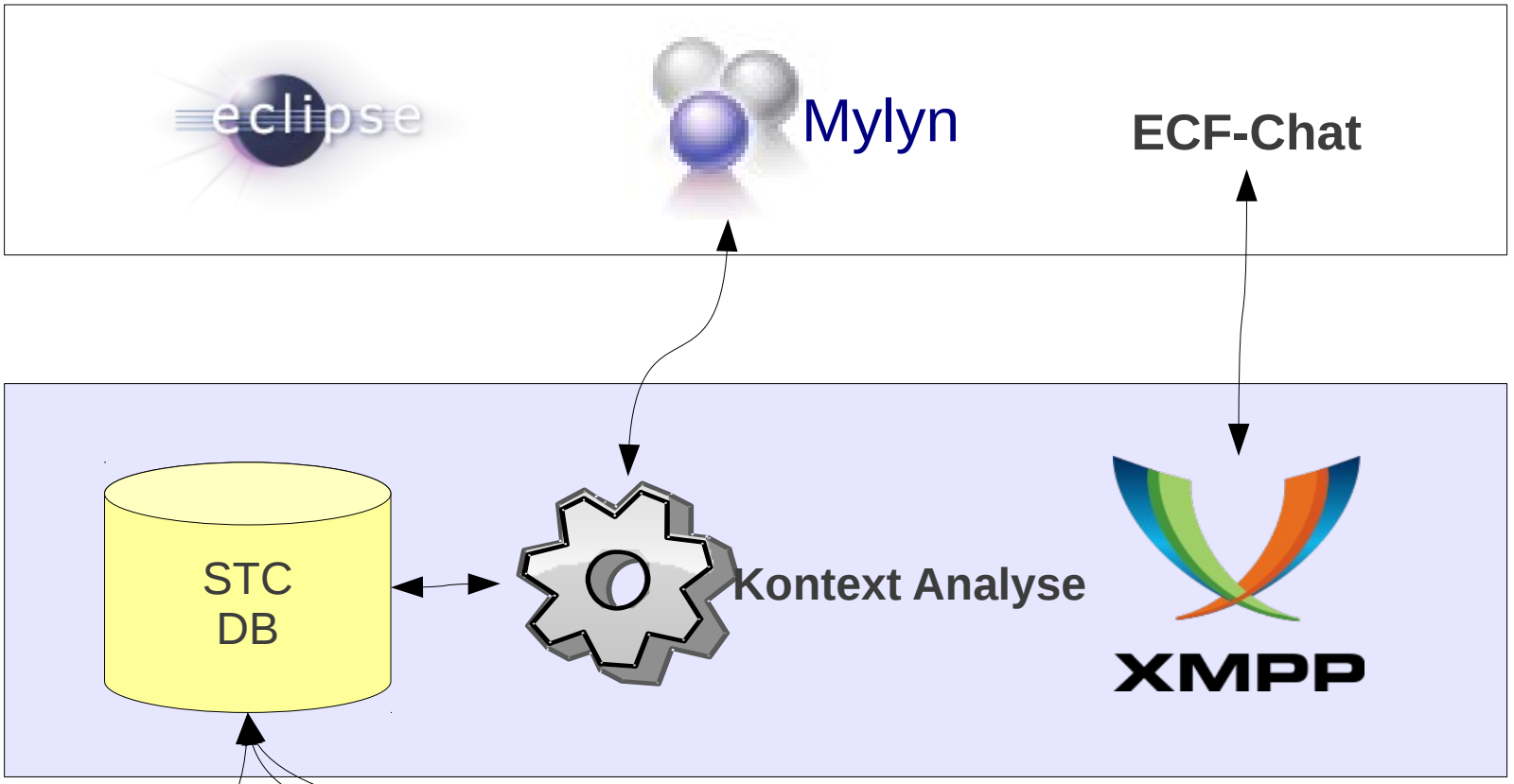
Approach



Universe of discourse

- Software development
- Teamwork
  - Distributed
  - Many projects
- Team-building

Architecture



Project 1 & 2

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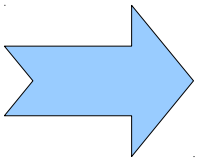
- Retrieve meta-information from
  - Jira
  - Trac
  - Subversion
  - Confluence
- Link Information Objects
- Build context



LuPanKu

Work plan

- Setup LuPanKu
- Eclipse Plug-ins
  - LuPanKu Connector
  - Mylyn Bridge
  - Virtual Project Office
  - Information Object View
- Context server for LuPanKu
  - Context Compare
  - Map task context with STC context

UI Presentation

- Virtual Project Office
  - Show State
  - Show Working Task
  - Highlight interesting Users
- Information Object View
  - Show People related to this Object
  - Rank people by distance

Mock-ups

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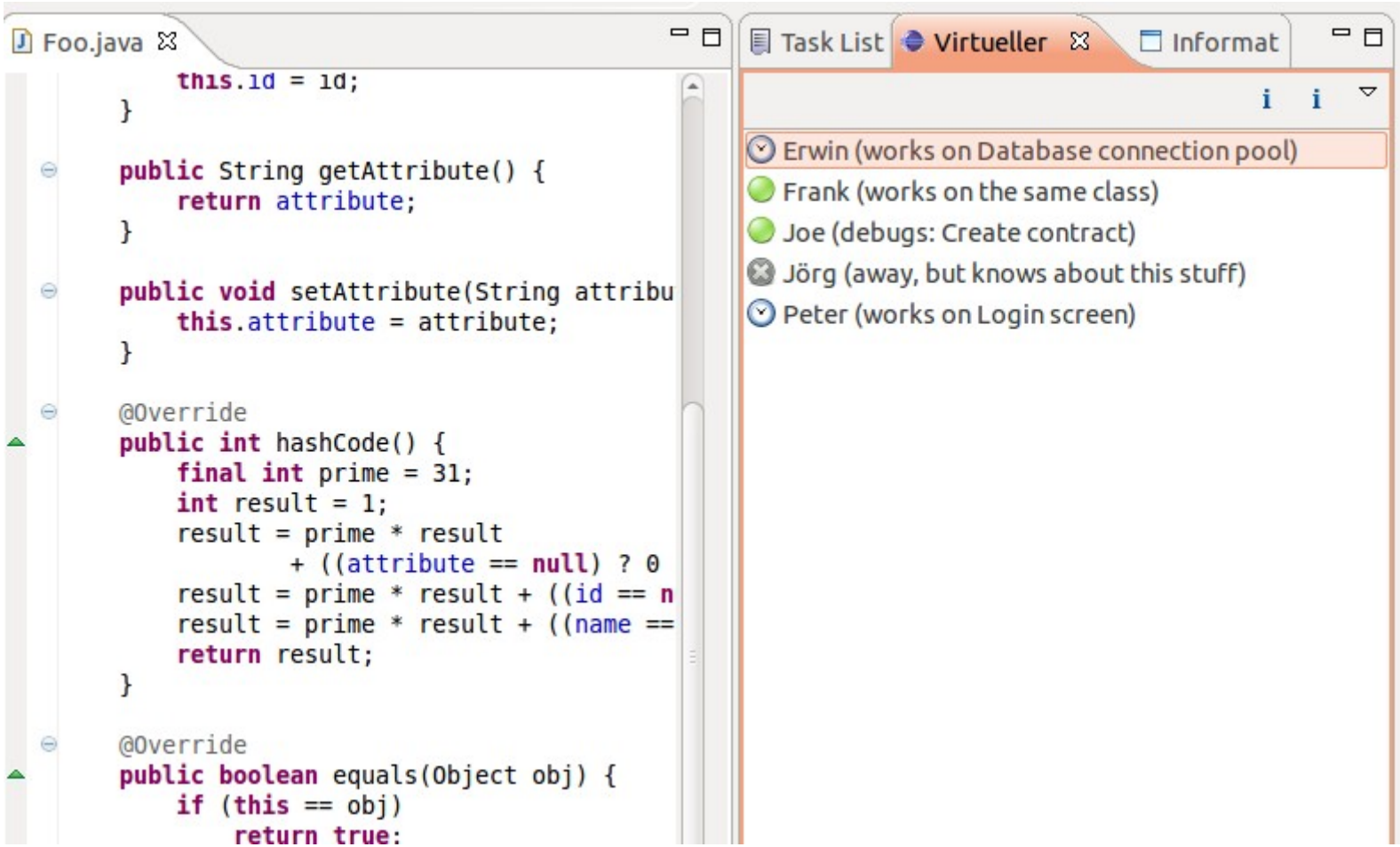
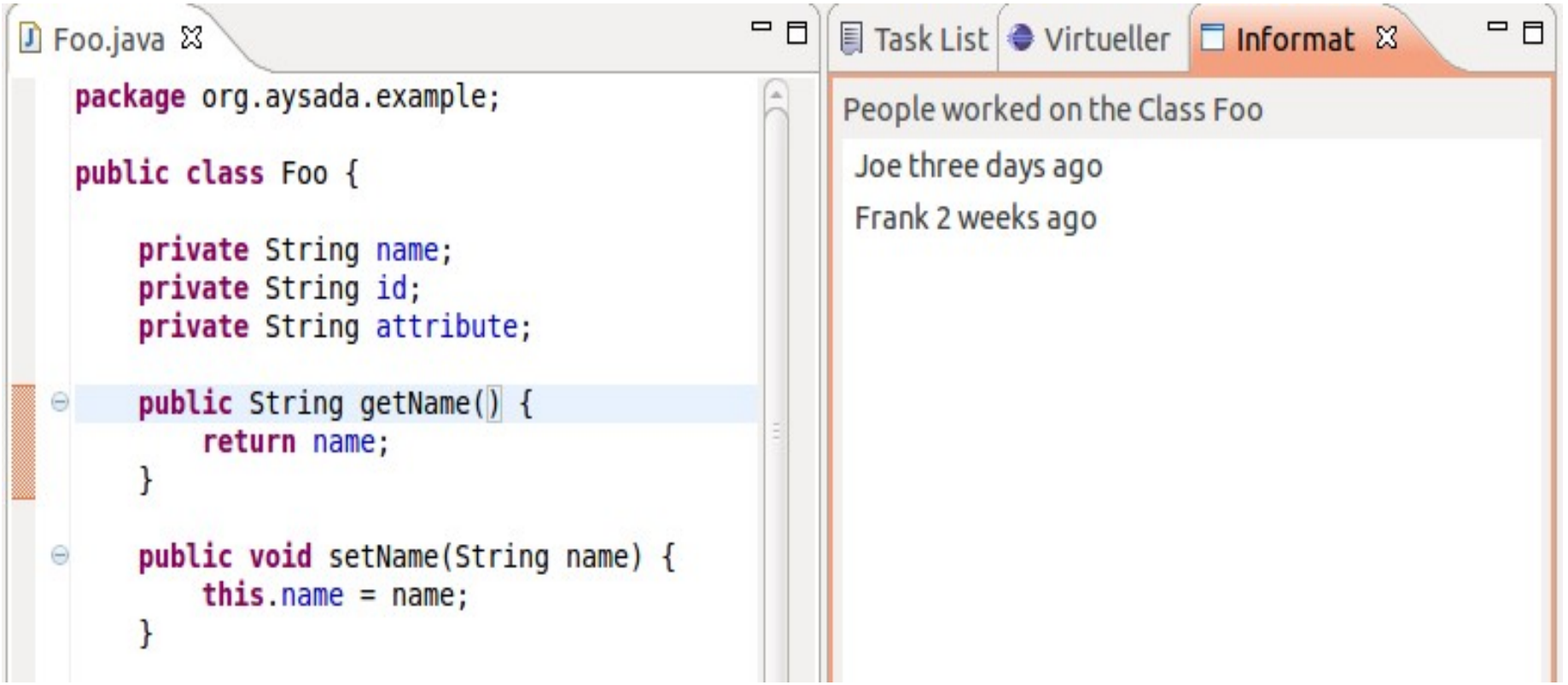


Mock-ups


Foo.java
package org.aysada.example;
public class Foo {
private String name;
private String id;
private String attribute;
public String getName() {
return name;
}
public void setName(String name) {
this.name = name;
}
Task List
Virtueller
Informat
People worked on the Class Foo
Joe three days ago
Frank 2 weeks ago

Context Matching

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- Simple Mylyn Context compare
  - Information object compare
  - DOI compare
- Retrieve Users related to Information Object
- Rules to Map
  - Working context
  - User context
  - STC context

Risks

- Context
  - Mylyn
  - Repositories
- Project work style
- User acceptance
- Usability
- Privacy
- False / Positive problem
- Performance

Proceeding

- Customer Value
  - Task Compare
  - Information Object linked to People
- Feedback
  - Verify in Projects
    - Distributed
    - Different Types
- Iteration

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