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Minutes 2nd Workshop (project kick-off)

Validation of Metrics-Based Quality Control

Overview

Date/Location

Date: 20th of February 2006

Time: 9.30h – 14.00h

Location: Knuth, B-building, Växjö University

Participants

ARiSA: Rüdiger Lincke, Welf Löwe

CombiTech: Kijell Karlsson, Andreas Nilsson

Windh: Emil Eifrem

Purpose

1. List of tasks for the different participants.
2. Summary about the decisions made during the meeting.
3. Summary about project and environment at Combitech and Windh.

Tasks

ARiSA:

- Prepare proposal for Communication Plan (CP)
- Prepare proposal for IPR agreement, send to partners
- Revise PP WP 3&4, in particular stress engagement of partners
- Adjust budget, find out about 35% overhead

Partners:

- Answer questions
- Decide on project to use
- Decide on contact person
- Prepare IPR with legal department/management
- Make project source code and build information available to ARiSA (after IPRs signed)

Intellectual Property Rights (IPR) Agreement

General agreement on:

- preview of documents by partners before publication
- projects will be used to gather data, but nothing else
- scientific results are free/public
- code will be ARiSA intern only

ARiSA will prepare a proposal for an IPR plan. It will be based on a standard IPR and presented to the legal department of the partners.

Communication plan

Workshops for general information exchange between ARiSA and partners are held at least once a year. This will be oriented on milestones/work packages. The following preliminary schedule is decided:

- 2nd Workshop in October/November 2006 (WP4)

- 3rd Workshop in November 2007 (WP5)
- 4th Workshop between May 2007 and September 2008 (WP 6, related to the first or latest final feedback)
- 5th and final (kick-down) Workshop December 2008 (WP 7)

Email and individual meetings between ARiSA and the partners for project specific information exchange.

ARiSA will prepare a proposal for a communication plan. Open questions:

- We plan to organize communication between ARiSA and partners using Workshops, meetings, project Web, and CM system. Something else necessary?
- How do partners communicate results within their companies?
- How do we organize dissemination of results to 3rd parties?

KK-foundation requirements

- The 35% overhead clause from the KK foundation decision will be checked at a related workshop in Stockholm by Welf.
- The engagement of the partners will be stressed in the Project plan.
- Description of how the partners benefit.

Project Plan

The project plan for WP 3&4 will be revised; focus on engagement of partners and description of their benefits.

Quality Model

The quality model used shall be adapted to the company's needs and specific projects in 3 steps.

- SQM 1.0, SQM used in the FCA (model metrics only), common for all partners
- SQM 2.0, SQM tailored to partner/project needs (model & validation metrics), partner specific
- SQM 3.0, SQM suitable and validated final (model metrics), partner specific

Budget used for workshop

3x 0.5 days (Rüdiger, Andreas, Emil), Welf and Karlsson did not count.

Combitech

Informed about their project (Randis), contact person (Andreas Nilsson, andreas.nilsson@combitech.se, tel. 0451-45315, Hässleholm, Maintenance Engineer) and infrastructure. The selected project "Randis", which is an avionic system used in Norway. It runs on a JBoss application server under Linux. It is implemented in Java 1.4.x and JSP connecting to a MySQL database. The software is component based, containing Java Applets and HTML-code. The different components are implemented as Eclipse or Borland Together J IDE projects. The software system connects to other software systems. The project is currently in the maintenance phase, currently no new development takes place, and changes to the system are typically bug fixes. A formal development process is used. The project is pretty well documented; additional information is available in version tracking systems. Bug fixes are documented. Visual Source Safe is used as Versioning System. No unit tests are executed after bug fixes. Test cases are documented and can be mapped to parts of the system. Errors in the running system are documented in a log file. The UML diagrams of system design are done in Visio. Combitech is interested in applying

metrics already on design level on the UML diagrams. Traceability matrix exists for Product Specification – Software Requirements Specification – Software Design Documents, but not down to the code level. The system is open; no special privacy needs to be considered.

Windh

Informed briefly about their project (Core system, product name?). It is a web application. Contact person is Emil Eifrem. Subversion is used for version control. Change information is stored in wiki format. A tool called “Trac” is used for storing information about bug fixes. Test cases exist and the test coverage is documented. There is no information about development cost available. The development is more open source like, distributed over several locations. The development process is not as formal documented. The system is closed; the access to the code needs to be restricted. An interesting validation metric could be mean time between error (up/down time of system).

Next workshop

In October/November 2006. Exact date will be decided on.