RTD-Log
3. meeting 23.1.01 10:15 - 12:00 in C475
Minutes

Present: Matti Johansson, Marko Moisio, Juha Saarelainen,
Minna Vasankari, Dan Patrick Doepel,
instructor Mika Karlstedt
Absent: –

Topics:

- People from the research group Maisa came to tell us that they would later like to take a look at our UML-charts and the finished program. If we will use any UML-charts.
- Copies of the articles Tiina gave us in the first meeting are available in the locker.
- Everyone should add the CVS-path to their .profile following the instructions given at
http://www.cs.helsinki.fi/u/kpalaaks/ohtu/CVS.html
- Raine Kauppinen and Tiina Niklander will visit us on Friday.
- Tiina's e-mail address is Tiina.Niklander@helsinki.fi
- We won't get a mailing list of our own.
- Before the next meeting:
  - The first version of the project plan should be ready. Juha will put it together.
  - Minna sketches the table of contents for the requirements analysis document and puts the minutes on our home page.
  - We should try to estimate the amount of code we are about to write (LOC value).

- Some open questions discussed in the meeting:
  - Will the software at the primary/mirror unit be running as a process of its own, or is it evoked by a function call?
  - The secondary storage subsystem should be made as simple as possible so that it can later be replaced by a dumb disk controller.
  - At least the mirror unit needs to maintain an index, but what about the primary?
  - Should the communication protocol between the units and the SSS be TCP or UDP with acknowledgements?
  - How many sockets are open at one time in the SSS? What if one of the units crashes and leaves a socket open?
  - How large buffers will there be? Do the units buffer the log entries before sending them to disk or not? How heavy is the load?
  - How does the recovering unit get the information about the structure and size of the database?
  - Will the mirror send an acknowledgement to the primary before or after sending the log entries to disk?
  - Are we supposed to handle sending the heartbeat between the units if there is no load?

The next meeting is on Friday 26.1. at 12:15 in C455.