# PA International weekly report 1

## Last week

After the approval of the synopsis we met on the 30th of August. We discussed the design with special focus on the Web-service. We quickly realised that three overall questions needed answering:

1. How to document the API of the Web-service.
2. The layout of the URL (what are resources and what are not)
3. How to handle security.

AD.1: After some research we came across several articles about the documentation, and decided to forgo the WSDL 2.0 in favour of a more table and plaintext oriented solution.

AD.2: After some back and forth we agreed on a structure for the resources.

AD.3: We decided to not make security (specifying owner) a direct part of the URL, but rather make it an add-on that prevents access to devices other than the ones the user owns.

## Next week

We are meeting again on Monday the 6th of September to do the design-implementation of the Web-service based on the interface design done last week. Some initial design has been performed with respect to XML language and Web-service technology, which will be reviewed on this meeting.

For the reminder of the week the Web-service design will be finalized and implemented.

At the end of the week we should have a functioning Web-service with basic functionality.

## Questions

Though we have agreed on the URL structure and REST API documentation we are interested in your feed-back as to whether you believe our separation of what is resources and what is not, can be improved.

As mentioned in the synopsis the system has a bunch of devices which report to the service a bunch of readings, status messages and location information. We see the devices as resources, but the readings, status information and location information we see as just information within the device, not as resources.

To see the current design, please refer to:

<http://masterofit2009.googlecode.com/svn/trunk/xml_and_Web/webproj/project.docx>

For the minutes of the meeting and our findings which has led us to the proposal in the above please refer to:

<http://masterofit2009.googlecode.com/svn/trunk/xml_and_Web/webproj/meetings/meeting1.docx>

A complete overview of our progress may be found at:

<http://code.google.com/p/masterofit2009/source/browse/#svn/trunk/xml_and_Web/webproj>

## Changes to the time table

No changes at this time, except that the Design documentation in the report has been up prioritised in favour of the introduction.