Progress Report / Group 1 / Week 3

# Summary

This week revolved around orientation. We have gotten familiar with the assignment, the tools we were given, and each other.

# Accomplishments

This week’s accomplishments were on four different fronts:

1. Literature & documentation
2. Practical experimentation
3. Group process & decision making
4. Product vision report

## Literature & Documentation

Each group member has read the project’s manual, Nao’s documentation, source-code and other related documents given by the student-assistants and instructors.

The group now has an initial understanding of what is to be done and some ideas regarding ways to do it.

## Practical Experimentation

Programming the Nao can be done in multiple ways. Some short sample-scripts were made in different programming languages (Python, Java , C++) for demonstration purposes. The scripts were run successfully in all three languages, both in the simulation environment (Webots) and in practice.

The group has now experienced the general API and structure of the Nao architecture and related libraries.

## Group Process & Decision Making

During this week’s sessions the group held a couple of formal meetings. The most important decision made was to use C++ in our implementation. Other candidates were: C#, Python and Java.

C# and Java were dropped due to some group-member’s bad experiences with those languages in the past. Python was rejected because the instructor did not want to use Python for future projects.

The group has also started making use of PlanBox.

## Product Vision Report

Work on the draft version of the initial report has begun. The vision, high-level backlog (including the product’s epics) and the roadmap have been written. Work on the remainder of the report is on-going and expected to be done by next week’s Wednesday’s session.