

PROJECT 10 – ORANGE LABS SENSORS API

Group Members

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Overview

In order to deepen our understanding of the project in the past two weeks, all members have contributed to carrying out research around key sub-areas of the brief.

As of Wednesday 15th October, two meetings have taken place, the first with our supervisor and the second, with the clients at Chiswick.

Summary of progress so far

- Made contact with the supervisor overseeing project 10 and scheduled a meeting with them to gain their insight on our client, Orange Labs, and a clearer understanding of the given brief on 10th October.
- Made first contact with the client on the 3rd October and scheduled an initial meeting with them on 15th October at Orange Labs, Chiswick Park.
- Research has been carried out around the given project 10 brief and efforts have been made to brainstorm questions and potential ideas on what the clients are after.
- Held two meetings to better our understanding of our project: the first with our supervisor, and the second with both our supervisor and the clients.
- Combined notes to create a collective, detailed overview of the meeting

Summary of meetings

Friday 10th October – First meeting with supervisor

Location: 6th floor MPEB

Time: 2pm – 3pm

Attendees/Absentees: Johan, Gulliver, Vino, Victoria, Leslie / Georgi

Some further information on our clients, Orange Labs, was provided. Initial thoughts and ideas were shared on the project and some advice was given by our supervisor as well. This helped clear up some confusion present due to the ambiguity of the initial project briefs.

Wednesday 15th October – First meeting with client

Location: Building 10, 566 Chiswick High Road, Chiswick

Time: 10.30am – 11.40am

Attendees/Absentees: all present

With self-introductions completed, an introduction regarding Orange Labs – one of seven R&D branches of Orange around the world and some of their recent projects - was given. In the following discussion, key emphasis was placed upon 'Mesh Devices' and the abundance of Open Data available in the UK which can be taken advantage of with the introduction of a low-level architecture supporting a sensor network. In particular, how the mobile phone can play a part in this ecosystem by aggregating such sensor data is central to the project as well.

The four sub-topics listed below were then discussed at length:

- Sensor Accuracy
- Haptic Feedback
- Protocols required to connect to and mesh the data from sensors
- A plug-and-play architecture

Accompanying use cases of a data aggregator were also described, such as 'Citizen', an app designed to encourage users to have a better 'quality of life' by making use of social media and gamification.

Concerns of the potential of ethical issues arising due to the possible extent of data collected and processed were then debated. Deliberation concluded that ethical concerns shouldn't lead our research, but rather enrich it with considerations and insights into issues that may affect - or indeed dictate - real-world implementation.

The clients showed preference for a Java-based backend, suggesting that Python may also be a reasonable choice, but were keen to emphasise that we have freedom to choose what would work best for us as a team. Finally, contact details for respective project leaders were exchanged.

GULLIVER

In the lead-up to the meetings, I worked with Victoria and Johan to discuss ideas and prepare appropriately. I helped compile a detailed summary of our client meeting, helping to establish our next steps and areas to focus on – namely further (initially general) research into each of the four areas outlined above. In particular, I'll be focusing on conceptual applications and logistical concerns (including how data can be shared and transmitted).

JOHAN

These past 2 weeks I've been focusing on preparing for our client interview. Based on the description they gave us, I did some research to prepare myself. After the interview, I reflected on the extended description they gave us and looked over the notes I and my group members wrote.

Over the next 2 weeks I will be doing research on the 4 sub topics discussed in the meetings so that as a group we will be able to make the best decision as to what topic(s) to potentially cover and look into further.

VICTORIA

So far I have contacted the supervisor and client for the project and arranged for meetings with them. I have also carried out some research around the project brief as have my two team mates to prepare for the initial meeting with the client. The three of us then compiled our notes taken into a much more comprehensive summary overall.

For my next course of action, I will be researching into possible sensor applications and the third sub-topic covering protocols required to connect to and mesh data from sensors.

