Sprint Evaluation

What is the progress of your project in this sprint? What goals are achieved? What problems are overcome? If you are updating your plans what are your justifications?

In this sprint we mostly focused on researching which kind of hardware and software parts we can use. When we improve our knowledge about project. We find some companies that producing similar products with our project for benefit from their experience. We decided which platform we are going to use and which board and hardware parts met our needs.

We borrowed a Raspberry Pi - Model B to be able to start project when we wait for department to provide us one. As we can stated in startup document we could install operating system to Raspberry Pi. We are testing that whether Raspberry Pi is sufficient for our project. In addition to this, we prepared a draft related to our systems GUI using online design tools. In this draft, we decided basically how our final product GUI looks like.

There was a problem about finding Raspberry Pi because we try to wait for the department but time was running out so we need to find for ourselves. While installing operating system there were some problems because we need at least android 4.0 and we tried to install 6. Our Raspberry Pi could not boot up. We tried all android distributions till android 2.3. We can run android at this point but it seems it won't work for us.

We are updating our plans because we haven't had a Raspberry Pi 2 - Model B to achieve our goals. In the Startup Document, we stated that we could research (hardware and software) for the project, could gain the hardware we had decided on and, finally, could hand over our tentative GUI design. We were able to all of them except gaining hardware we decided on. We are waiting for Erol Oztas to respond.

Team evaluation

How well your team is working together? How many meetings did you hold? Are you planning any changes in your cooperation strategy? Which work is completed by which member (in a Gannt chart)?

At the beginning we were separated as 2 groups. One group made the hardware; the other made the software researches. Later, we divided 4, because there are lots of to do. We selected these parts to share: Raspberry Pi, CAN Bus, Wi-Fi Direct Connection and Bluetooth voice streaming. However, we had problems to gain the hardware. Luckily, we borrowed a Raspberry Pi but couldn't find a CAN Bus. Therefore, CAN Bus work was postponed. Instead of that, the member that had taken CAN Bus took the Multimedia Player on Raspberry Pi.

We had 4 meetings with Dilek K. Onal and, approximately, 4 meetings with Onur T. Sehitoglu. As a group, we are together most of the time. Therefore we had many chance to talk about the project.

Task	Assigned Member	1st week	2nd week	3rd week
1. Research about Raspberry PI is whether compatible with Android or not. 2. How to supply a Raspberry PI 2 Model B. 3. Android OS installation to Raspberry PI	Sinan Tufekcibasi	1	2	3
1.Research about touchscreens which is compatible with Raspberry PI 2.GUI design 3. Connection to Raspberry PI with SSH	Erkan Tomruk	1	2	3
1.Research about CANBUS module 2.Research about screen mirroring applications 2.Similar CANBUS projects.	Sefa Suluova	1	2	3
1.Research about WI-FI direct 2. Research about sending voice data using Bluetooth 3. GUI design	Mustafa Tunc	1	2	3

Backlog Updates

What are your backlog updates?

If we will able to get a Raspberry Pi 2 – Model B, we can install the OS. Therefore we can see whether we can use Android 4.0 (at least 4.0) in Raspberry Pi. If it doesn't work, we will change the OS to be installed which is going to draw our route. The connection between a smartphone and Raspberry Pi and the features we will write depend on the OS in Raspberry Pi. Our main backlog work is getting hardware we decided.