

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 tried to make the basics of our project. These basics are: installing OS to Raspberry Pi, Wi-Fi direct connection for multimedia and Bluetooth connection for hands-free calls. Besides, we were able to take the most important parts of our project, Raspberry Pi 2- Model B and touch-screen, from the department in the middle of the sprint. We tried to install an OS on the Raspberry, but we failed at the first attempt. Our SD card was damaged while installing. We ordered 2 new SD cards to install Android 5.0 on one of them and Raspbian on the other. Later, we achieved installation of both OS and run on Raspberry. While we were waiting our Raspberry from the department, we started coding Wi-Fi direct and Bluetooth app on an Android phone side; also, the media player on the Raspberry side. Moreover, an Android launcher is developed for Raspberry PI which is simple version.

Wi-Fi direct and Bluetooth apps can find and list other devices which use same apps and establish connection with them. Media player is implemented for using large screens. This player plays musics from SD card and shows tracks in different folders. These applications will be started from large buttons on our launcher's main screen.

We had some problems in this sprint. Our touch-screen has driver for Raspbian but not for Android. Therefore, we can see Raspbian interface on the touch-screen but cannot see Android interface. We can see it on a monitor connected via an HDMI cable. If we cannot overcome the driver issue for Android, we have to consider our OS choice. We may use Raspbian from this point.

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)?

Since we have been taking similar courses and known each other, we have lots of chance to talk about the project. We had out weekly meetings with our project manager, Dilek Önal. Besides, we had 2 meetings with our supervisor, Onur Tolga Şehitoğlu.

Task	Assigned Member	1 st week	2 nd week	3 rd week
1. OS installation 2. Launcher	Sinan Tüfekçibaşı	1	1	2
1. Research on Android Programming 2. Media player	Sefa Suluova	1	2	2
1. Research about Wi-Fi Direct supported Wi-Fi dongles 2. Wi-Fi direct:connecting to peer by using application	Erkan Tomruk	1	2	2
1. Research on Bluetooth Programming 2. Bluetooth hands-free connection	Mustafa Tunç	1	2	2

Backlog Updates

What are your backlog updates?

We were expecting to decide which operation system will be used, however as we mentioned before we have a driver issue, we could not decide the operating system yet.