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Sprint Evaluation

For this sprint, we planned to start dealing with our mobile application. None of us had experience on Android Studio or mobile application development except for Burcu, therefore, she gave us a quick tutorial after everyone installed Android Studio in order to accelerate the process.

Afterwards, we created a simple version of the application that includes a splash screen, a login page, a main page, and four functionality pages (Content, Shopping List, Recipes, New Food). Then, we linked them to each other. The following figures are the screen shots of each page.
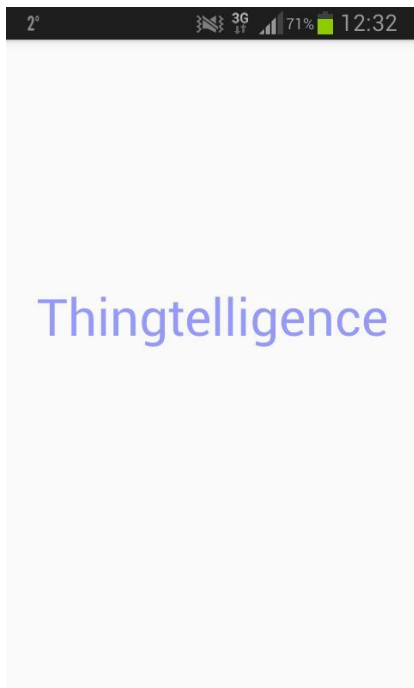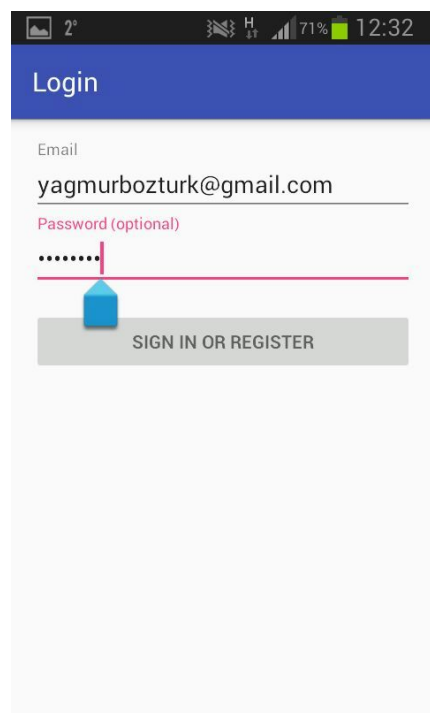

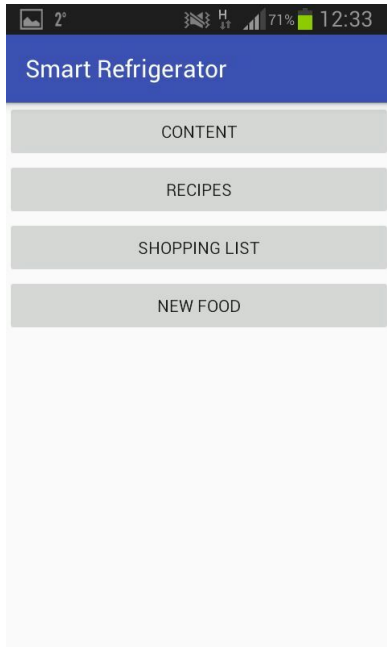Figure 1: Splash Screen

Figure 2: Login Page

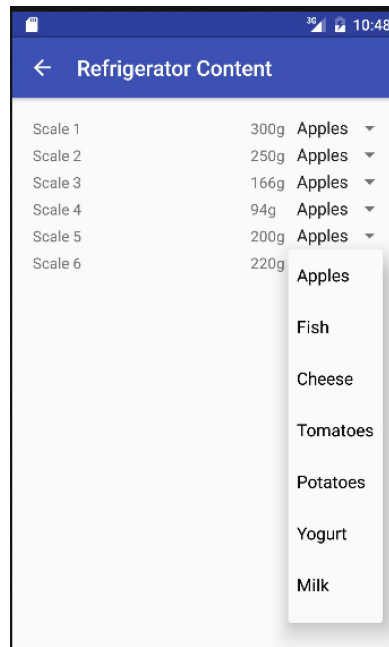<Smart Refrigerator>   <Thingtelligence>

Figure 3: Main Page

Figure 4: Content Page
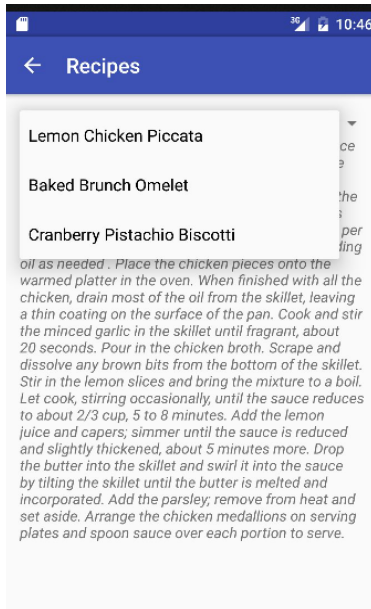

Figure 5: Recipes Page
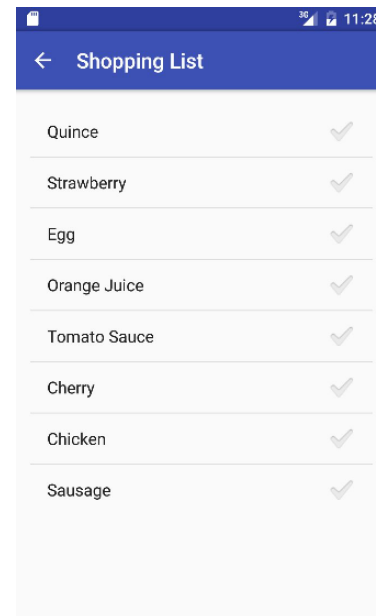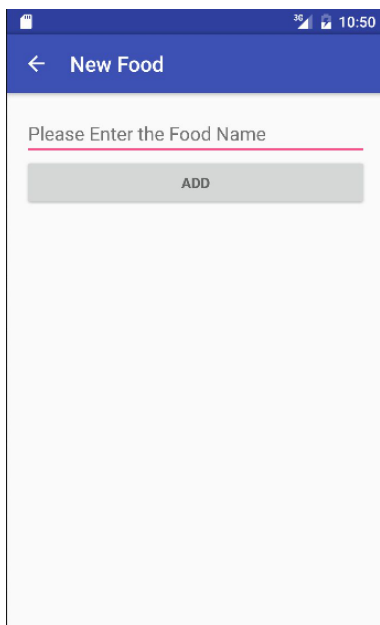

Figure 6: Shopping List Page

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Figure 7: New Food Page

Moreover, considering we might have a busy schedule when the submission deadline is close, we started to write the SRS document. A sample version was created in this sprint. The rest will be completed in the next sprint.

Regarding the hardware side, we ordered the necessary materials for our project which are Arduino Uno Board, INA125P Amplifier and 2 Load Sensors. We will start its installation and development in Sprint 3.

We have made some updates in our plans. By the end of Sprint 3, we aim to have a template application that has the main functionalities working through dummy values and a hardware part that gets the weight and transfers it to the computer/database. We believe if we develop the application further and have a hardware part that is sustainable, we will have more clear and consistent development and progress.

We did not face any problems, we only have updates in our development plan.

Team evaluation

In addition to our regular weekly meetings on Thursdays, we hold two extra meetings to discuss the user interfaces of our application and initiate the Android development process.

In this sprint, we continued to make the decisions as a group, however, we started to work on different tasks individually, as explained in the Gannt chart below.

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Task	Assigned Member	1st week	2nd week	3rd week
Installation and orientation of Android Studio	All members	*		
SRS documentation	Gökhan			*
Designing the user interfaces	All members		*	*
Starting to implementation of user interfaces on Android platform	Burcu, Yağmur, Aslıhan			*
Supplying the board and other pieces	Burcu, Aslıhan			*

Our cooperation strategy has been modified a little. Since we decided to focus on the network part in the second semester, currently nobody is working on that part . Burcu and Yagmur will focus on the development of Android application in the third sprint. Aslıhan will deal with the integration of the load sensors and the board while Gökhan will work on SRS documentation.

Backlog Updates

In the first sprint, we have not managed to finish the task of determining the data transfer method. During this sprint, we still have not managed to decide on it due to our updates in project planning. The transfer method between the hardware components and mobile application is planned to be decided in the 3rd sprint this semester or second semester. In second semester, we will work on the connection between the hardware and mobile application as we work on the data transfer between these mediums.

The design details of our application is going to be specified in the second semester. Our most prior goal until then is to develop the functionalities of our mobile application and to be able to weigh the food with the new hardware equipments we have ordered. Therefore, we expect to have a working mobile application and hardware components that is able to scale the food and keep the data independently until the end of the semester.