**Requirement specification**

PI checker, the essential product with the basic functionalities of users login, online broadcasting and image storing for the user. It can send constantly updated images through the home internet to specific devices such as a TV, computer or mobile phone.

We assume that the baker has a wireless network available and a Smart phone with Android, IOS operating system or internet browser. However, we have certain product constraints such as the following:

* PieChecker must be in a splash proof box.
* It must operate remotely via wireless network
* PieChecker must be able to perform timer and temperature alarms even if the server connection is lost. are we doing timer considering the oven has its own?

The requirements consist of functional and non-functional requirements that the project should fulfill.

**Functional Requirements:**

The user wants to:

* Register an account
* Connect a PieChecker to his / her account
* Connect an Android phone to his / her account
* Attach the PieChecker to the oven
* Connect the PieChecker to the WiFi network
* Set a time or temperature alarm
* Place probe into pie
* Use a recipe from the database
* Checking current step from the whole baking process
* See previous baking sessions
* View the live stream
* Share photos
* Change settings
* View temperature changing diagram

**Non-Functional Requirements:**

* The system must update the temperature with less than 5 secs interval.
* The system must update the image with less than 5 secs interval.
* The alarm must be given when the temperature is reached, both on the PieChecker and in the web interface.
* The timer alarm must be given on both the PieChecker and the web interface at the same time.