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# User Requirements Document

Team Fruitcakes

*This document contains a detailed description of the requirements established during meetings with the product owner, Einar Sundgren. He represents the users of our product and guides it’s development. Within this document we aim to describe the needs and expectations of the users, so we can develop our product in the best possible way.*

### Purpose

When baking, it is often best to stay close to the oven, and monitor the cake often. This limits the users freedom of movement and prevents them from focusing on other important tasks. The purpose of the project is to create a device to enable users to view the inside of an oven and monitor temperature and timers remotely. The registered users of the PieChecker will be able share their baking results via social media.

### Assumptions

* User has a wireless network available.
* Smart phone with Android operating system.

### Constraints

* 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.

### Time management

The 12th of February 2014, we delivered our MVP *(Minimal Viable Product)*. The final product will be delivered the 28th of May, until then we have weekly sprints. Sprints start every Wednesday and a backlog is maintained throughout the duration of our development project.

### 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.

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