# Requirements

## The system should

Update the temp with min < 5 secs interval

Update the image with < 5 secs interval

Integrate a recipe database where you select a receipe and the pi is automatically set to the right temp and time.

The timer alarm must be given on both the Pi and the web interface at the same time.

The alarm must be given when the temperature is reached, both on the Pi and in the web interface.

## Use case bake from recipe in Pi:

**Precondition:** System is turned on and in starting state.

User selects bake from database mode

User selects receipe from the database and shows it on the web UI

Place the probe in the oven that is turned on.

When temperature is at the right level, alert the user that the temperature has been reached.

User bakes the pie according to the steps in the recipe.

The interface lets the user step through the bakning process and shows the user where in the process he is.

1a. The user places the temp probe in the pie.

The pi reaches the right temp before the time is out.

User is alerted.

User can choose if the baking is finished or if to continue until time is up.

1b. The user places the temp probe in the pie.

The pi reaches the end time before the right temp is reached.

User is alerted.

User can choose if the baking is finished or if to continue until temp is up.

User shuts down the system or chooses to restart with another recipe or in another mode.

User should be able to interrupt the process at any step. The system requires confirmation that the user wants to interrupt once the baking has started.

## Use case bake from external recipe:

**Precondition:** Same as prevsious use case

User selects bake from external receipe mode

The user selects the desired baking temperature.

User places the probe in the oven that is turned on.

The system alerts the user when the desired start temperature is reached.

The user engages cooking mode.

The user sets the desired temperature and/or time

Follow 1a or 1b.