

Rice cooker model

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1 Description

This is a model of a multifunctional rice cooker. This rice cooker have a digital display, 8 special cooking functions and a keep warm function. It will cook all kinds of rice perfectly and will also take care of the cooking of other dishes. With the cooker comes a stirring spoon, a ladle, a measuring cup and a basket for steaming vegetables. With this documentation of the device, I hope the reader can understand the functions and the use cases of this machine.

2 Use cases

Table 1: Use cases

<i>Case</i>	<i>Description</i>
1. Cook quick rice	Cook jasmin or other quick rice types in 10-15 minutes.
2. Cook white rice	Cook normal rice in 45-60 minutes.
3. Cook brown rice	Cook brown rice in 45 minutes.
4. Cook porridge	Cook oatmeal in 10 minutes.
5. Cook soup	Cook soup.
6. Steam vegetables	Steam vegetables.
7. Cook rice and vegetables	Cook rice and cook vegetables at the same time.
8. Manual program	Set timer manually, how long the cooker should cook.

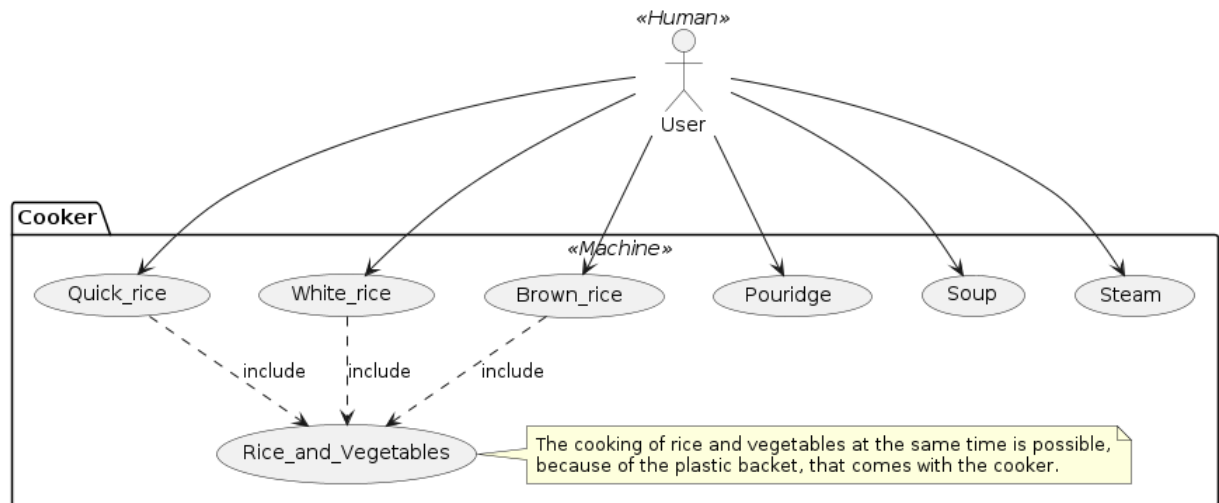


Figure 1: Use Cases

3 Requirements

Table 2: Requirements

<i>Case</i>	<i>Description</i>
Cook quick rice	Be able to cook jasmin or other quick rice types quicker.
Cook white rice	Have normal rice cooking program.
Cook brown rice	Have separate brown rice cooking program.
Cook porridge	Have oatmeal cooking program that cooks oatmeal.
Cook soup	Have a soup cooking program that can cook soup with meat.
Steam vegetables	Have a steaming program that can make steamed vegetables.
Cook rice and vegetables	Be able to cook rice and cook vegetables at the same time.
Steam	Have a plastic basket for steaming vegetables.
Manual	Can set manually the cooking time.
Non-stick surface	The cooking bowl must have a non stick surface.
Plastic tools	Have plastic tools that comes with the rice cooker, ex.: stirring spoon, measuring cup, etc.

4 Machine Structure

4.0.1 Components

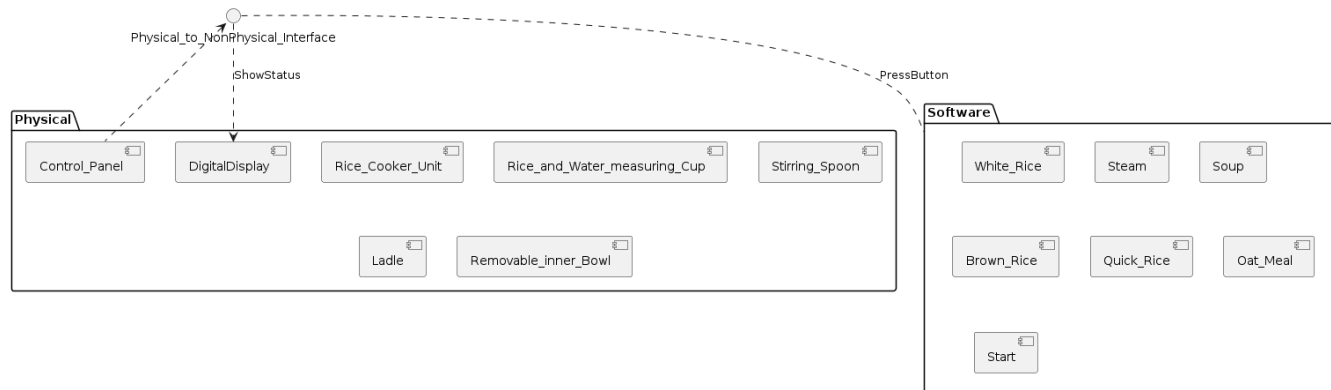


Figure 2: component

5 Behaviour

5.0.1 StateMachine

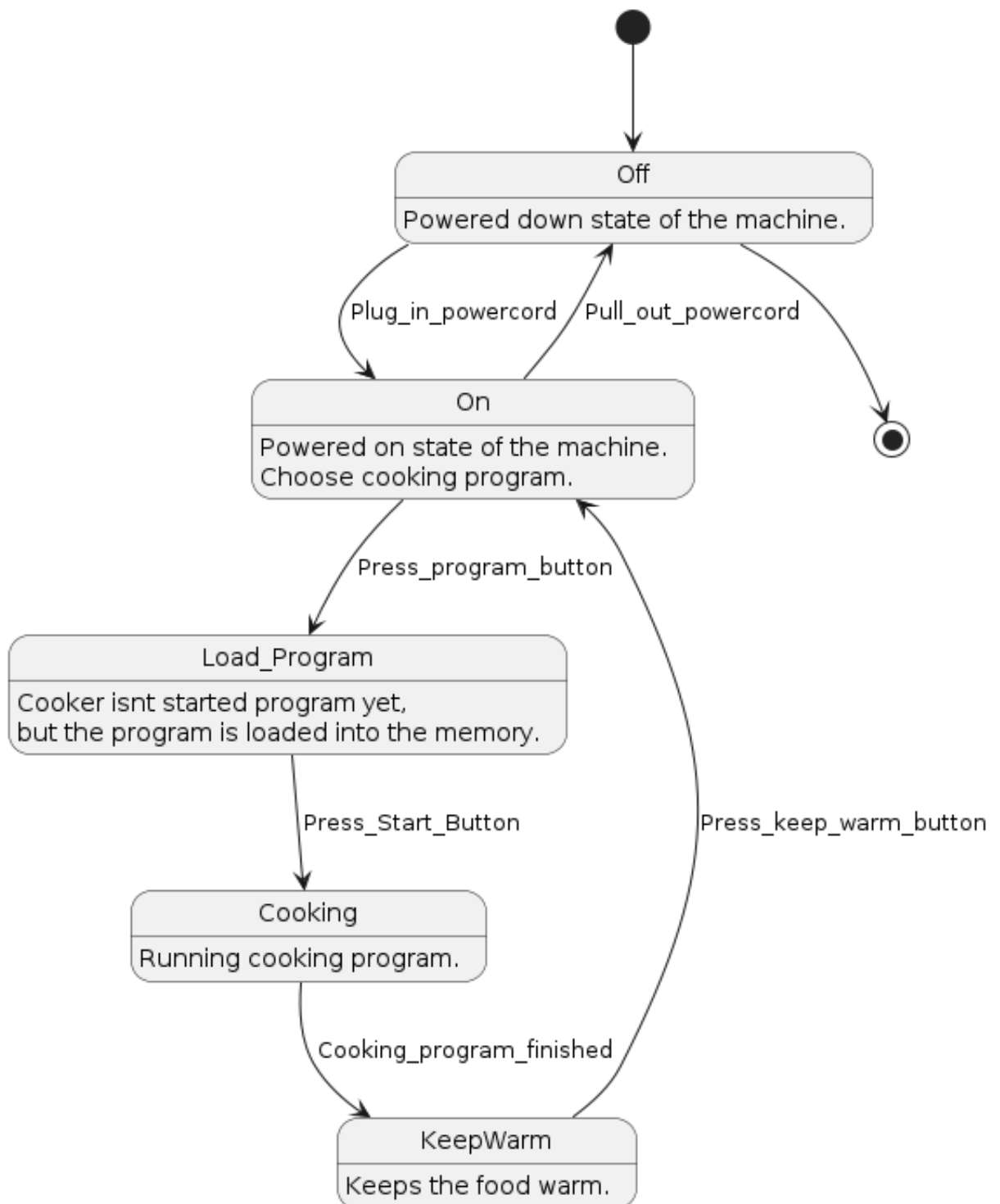


Figure 3: statemachine

5.0.2 Sequences

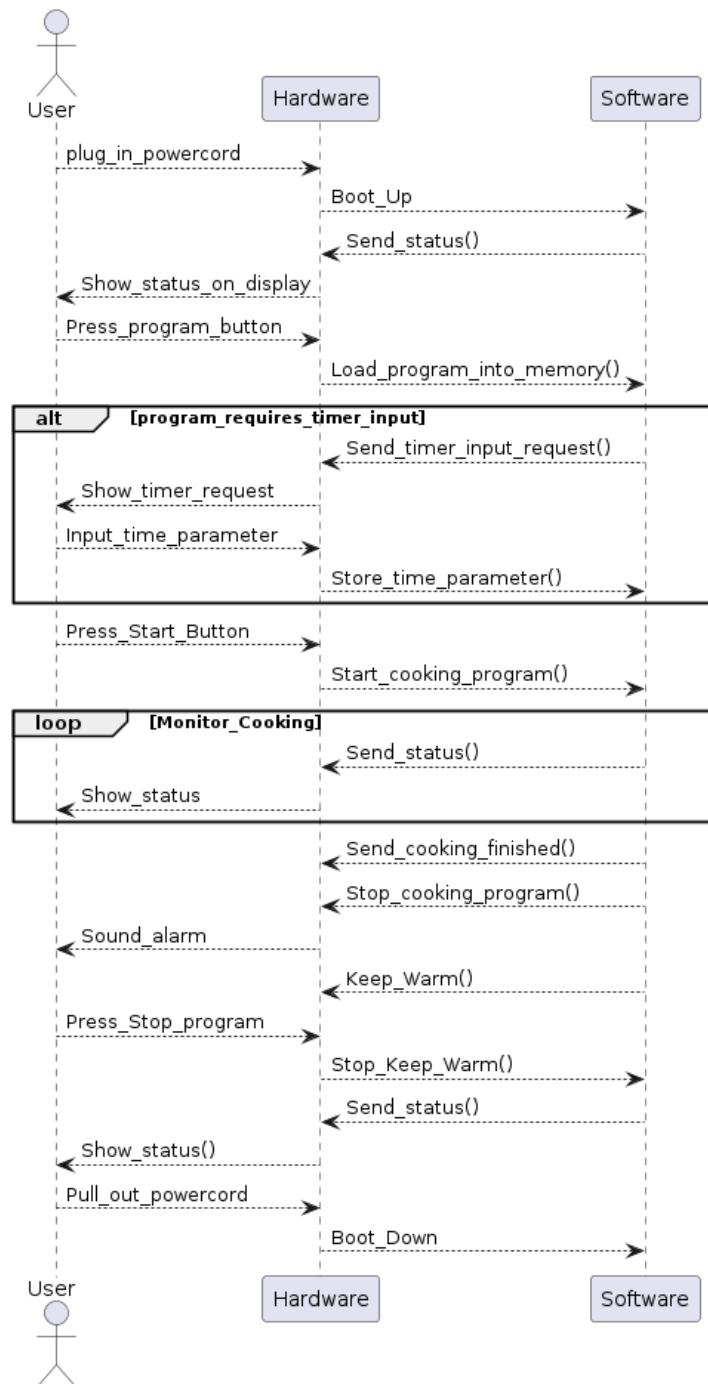


Figure 4: sequence