

# Washing machines

## - from dumb to smart

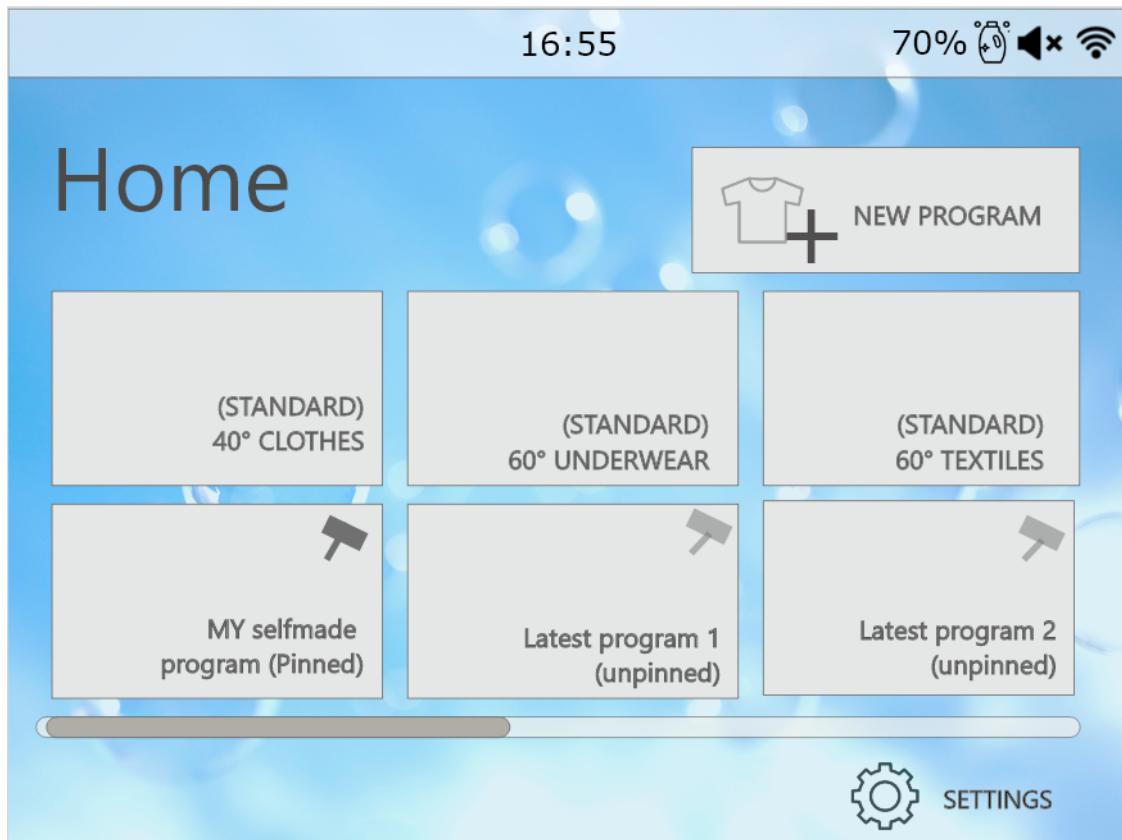
Prototype description



<b>Course and date</b>	HCI for Cognitive Scientists / HCI with Focus on Cognition and Design 2020-10-09
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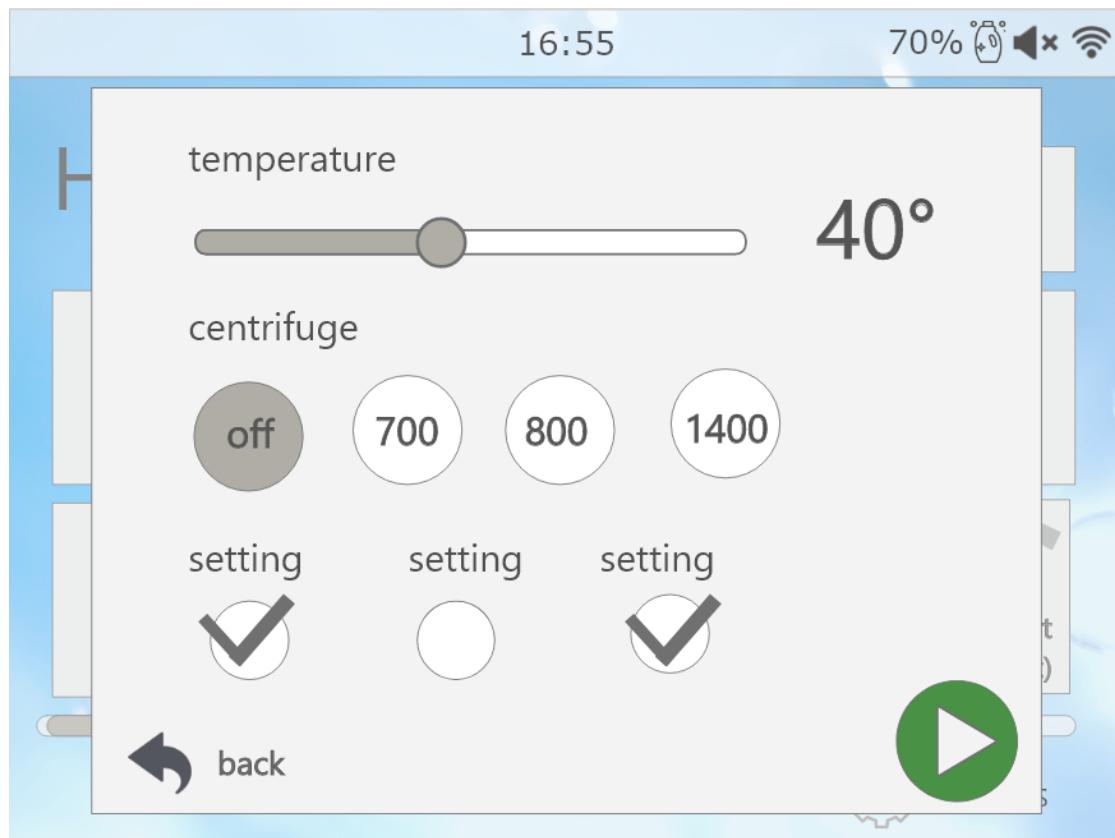
# Introduction

This report is a small step by step walkthrough of our Smart Laundry prototype. In this report, we will go through the program and its functions by explaining some of the main screens and have the reader get a feel for the program before using it.



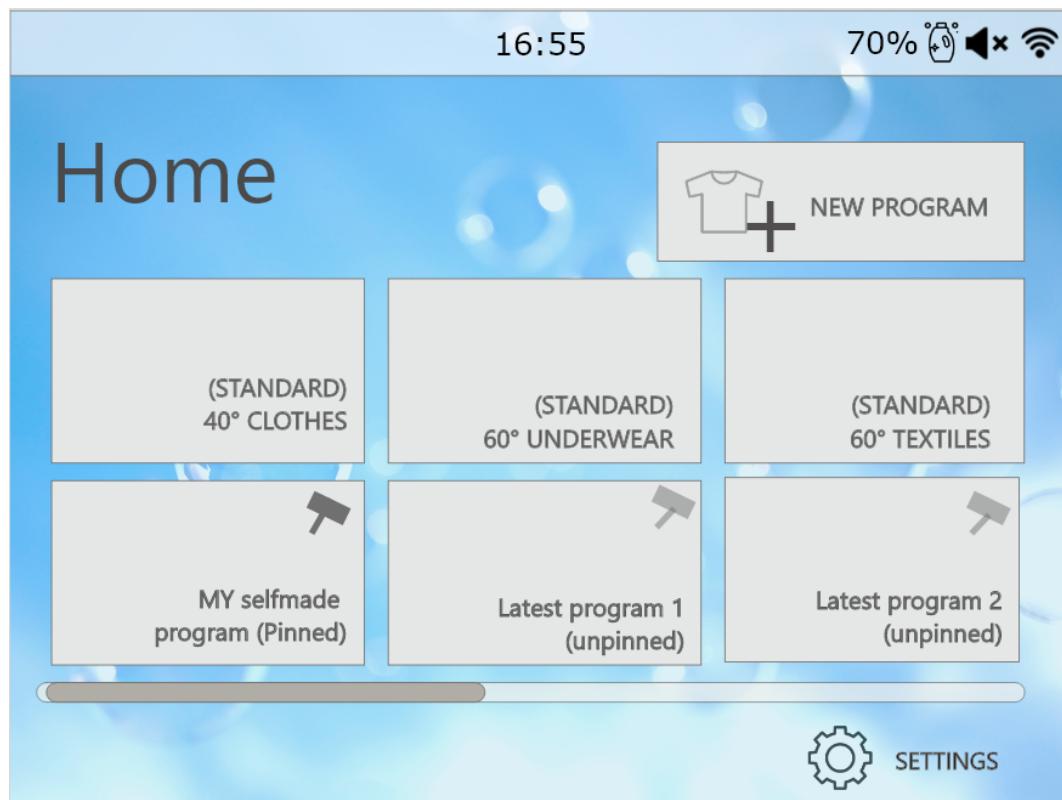
From home the user has several options. The machine comes with preinstalled programs and spaces for user-created programs. Every program can be pinned or unpinned. As you add programs on the home screen the older ones will start to disappear after a while to reduce clutter and overflow of programs on the home screen. So if you have a program that you like and use often make sure to pin it to make sure that it stays there forever or until unpinned again. Since there is a limited amount of space the homepage has a scroll function indicated by the bar, to scroll to the left or right use the bar or swipe.

If the user selects a program on the home screen by clicking on the corresponding button they will come to the pre-wash screen below.

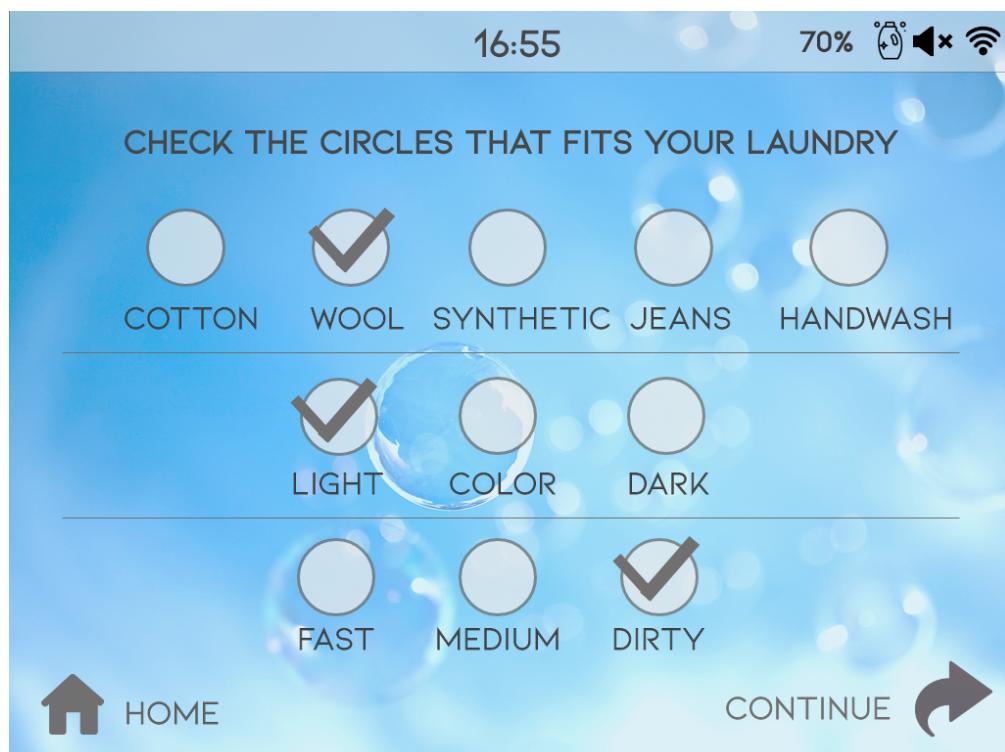


The pre-wash screen lets you optimize and confirm your program. You can select and change temperature, centrifuge speed, and so on. When happy with the settings press the start button, that will start the program. The back button will take you back to the HOME screen.

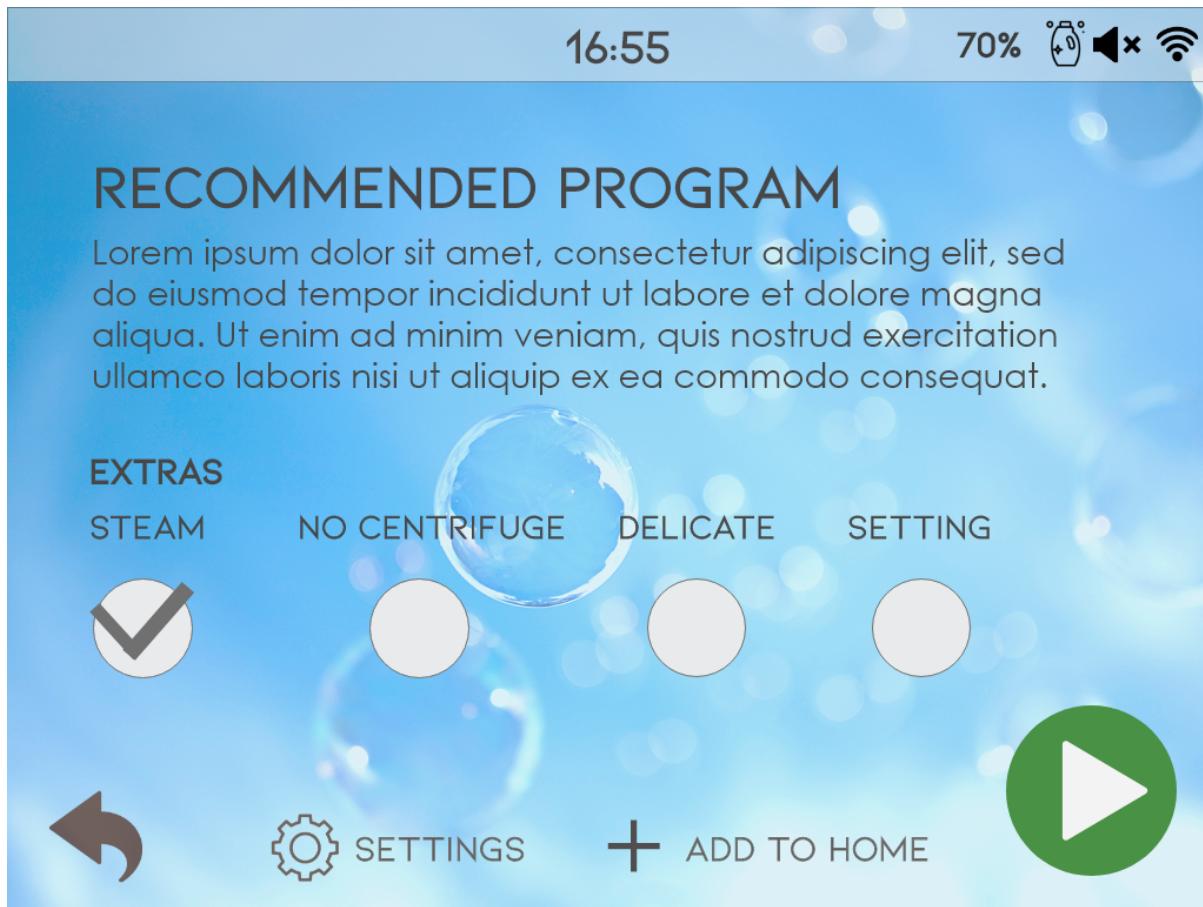
Let's say for this example that you aren't pleased with this program and rather want to make one of your own, so you press the BACK button.



From the home screen, you now press NEW PROGRAM



When the user clicks on NEW PROGRAM the LLL-automated program recommendation function starts. This is a smart-function in our washing machine, that allows the machine to suggest a suitable program. To use it you check the circles that match your specific laundry and then press CONTINUE.

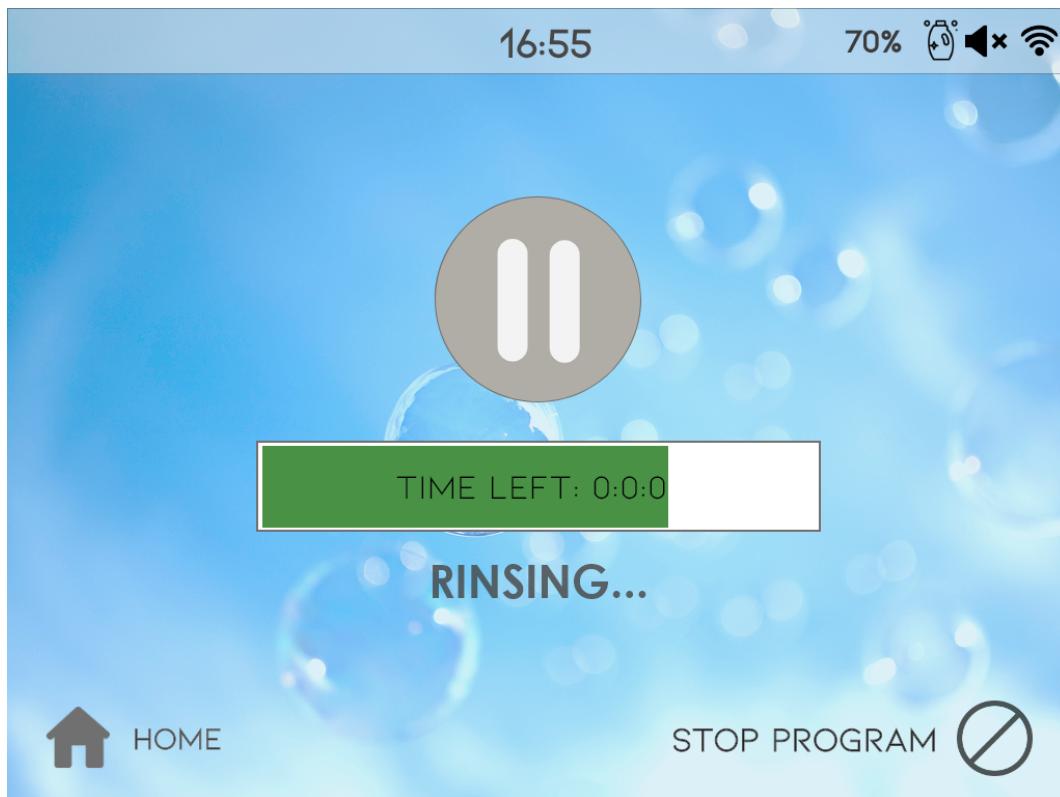


The next screen displays a recommended program. You get an in-depth description of the program and can add some extra options. There is also an options button for more advanced settings. From this point, you can either

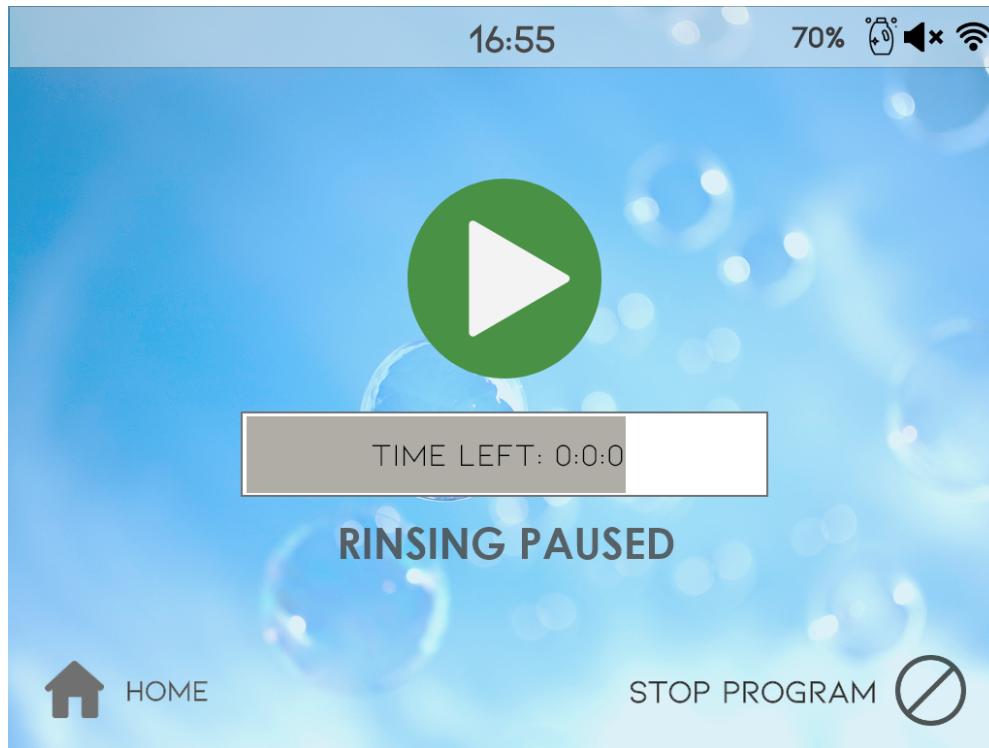
A: run the program immediately and start your wash or

B: add it to the HOME screen if you want to use this program more than once and want easy access to it.

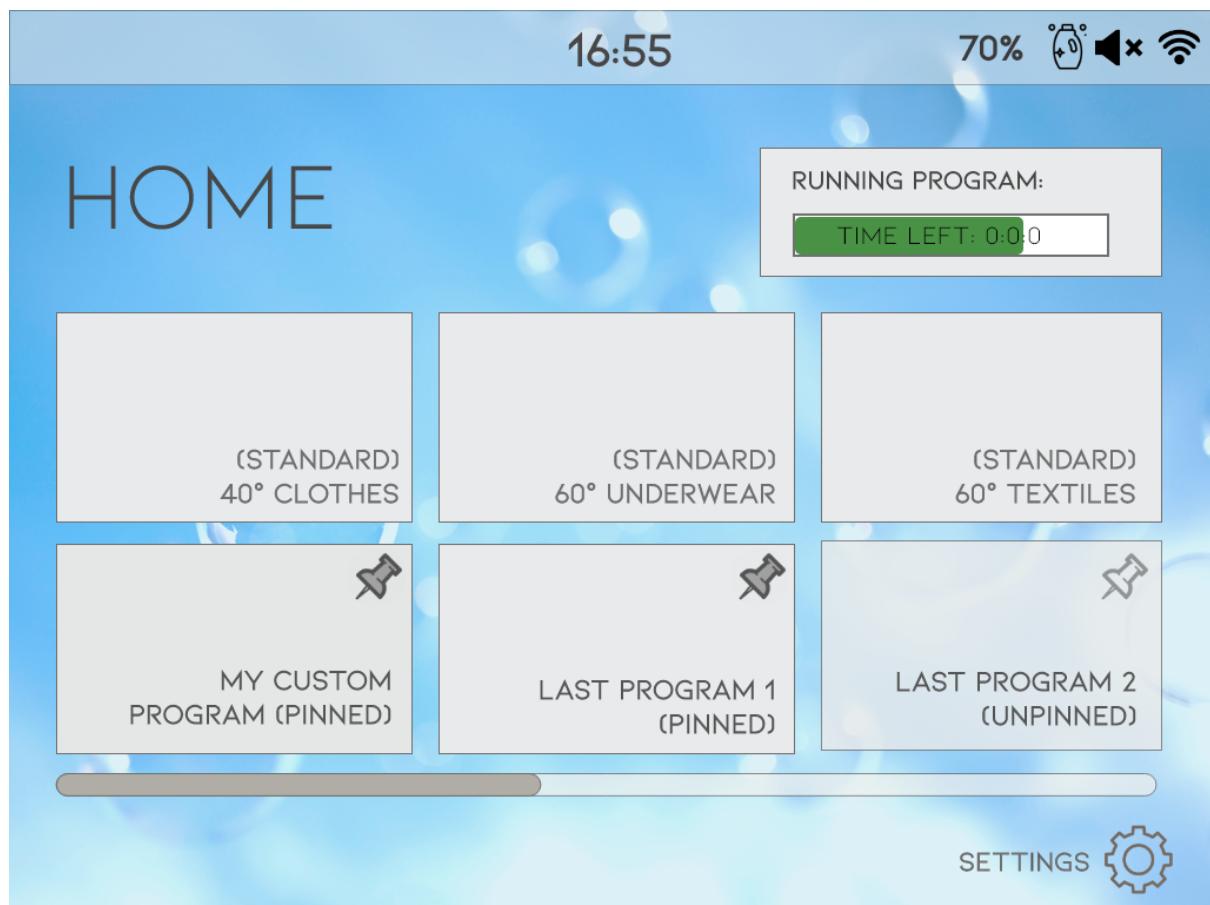
In this example, we start the program immediately by pressing the START button.



When a program is started the user is brought to the run time screen. Here you can pause the machine by pressing the pause icon or stop the program completely with the “STOP PROGRAM” button.



When the machine is paused the user can start it again by pressing the green start icon in the middle. While the machine is running the user can still go to the HOME menu



The HOME menu has a running program button instead of the new program while running, the main point of being able to return to home is access to the settings menu. When the machine is done it will take you to a “Wash complete” screen.

16:55

70%   

## WASHING COMPLETE!

For the best result place your wool clothes on a white towel and let flat dry in natural air.



HOME



SETTINGS

When the Bar is full and the timer is done the washing process is finished. You now have clean laundry and all you have to do is to open the hatch and empty your clothes. When you open the door the UI automatically returns to the home screen allowing you to start your next laundry if you so desire.

For an interactive prototype please visit

<https://xd.adobe.com/view/a0c9762e-98dd-4eec-8170-8928cbc2dd74-f59a/>