

Smart Household Appliances

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sprint 2

demo

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Sprint goal overview

Sprint 0

Plan of approach
Research document
Proof of concept
Code of conduct

Sprint 2

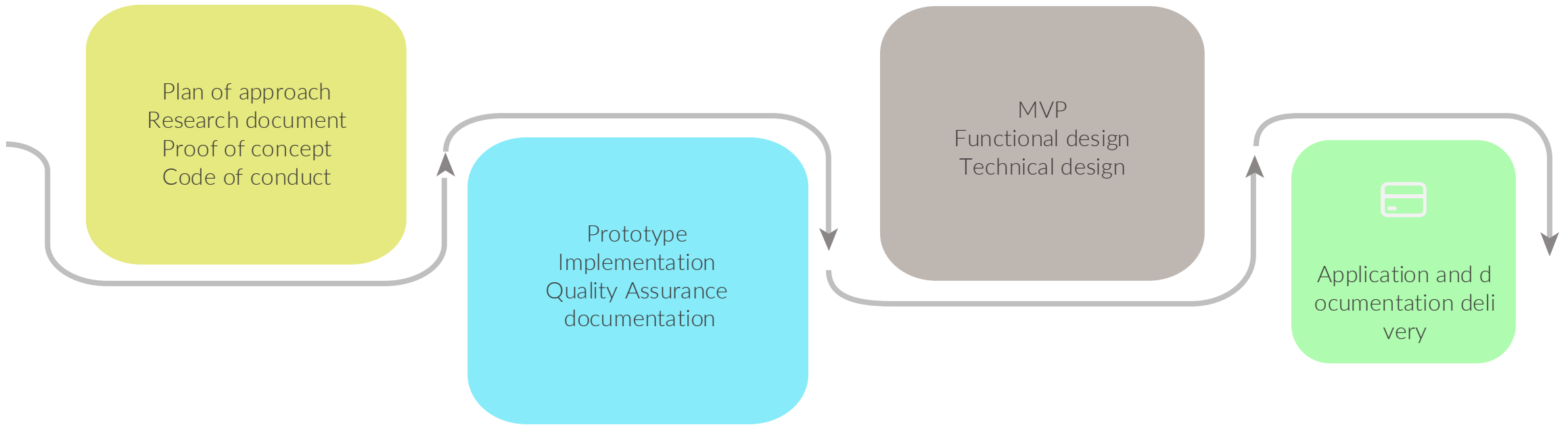
MVP
Functional design
Technical design

Sprint 1

Prototype
Implementation
Quality Assurance
documentation

Sprint 3

Application and d
ocumentation deli
very



sprint 2

User stories

ID	User Story	Requirement(s)
2	As a user logging in for the first time, I want to provide my profile type (family, couple, or single) and time preferences for laundry so that the app can tailor recommendations to my household's needs.	3
3*	As a user, I want the application to advise me on the best time to use the washing machine based on solar power generation and the program and settings I choose , so that I can optimize my energy usage and reduce my electricity costs.	20 10
5	As a user, I want to view all scheduled and currently running appliance programs so that I can manage and track my appliances usage efficiently.	14
7	As a user, I want to schedule the washing machine to start at specific time(s) in the future with my chosen settings, so that laundry is done at my convenience.	8
8	As a user, I want my appliances (which I added to my HomeConnect account) to automatically be displayed in the devices page, so that I can easily access and control them from within the application.	22

sprint 2

Backlog

Open 3 0 +

Finalize US 8 (read steps in description)
#35 Sprint 2

Finalize US 5 (read steps in description)
#33 Sprint 2

Finalize US 3 (read steps in description)
#32 Sprint 2

DOING 4 2 +

TSK10 FR14 Get all scheduled and current appliance programs
#2 1 Sprint 2

TSK24 Hook up front end for scheduling to backend api.
#29 1 Sprint 2

Finalize US 7 (read steps in description)
#34 Sprint 2

Finalize US 2 (read steps in description)
#31 Sprint 2

IN REVIEW 2 8 +

TSK16 US2 Make user input Timeslots, profile type, and solar panel information if aforementioned info is missing.
#18 4 Sprint 2

TSK12 FR14 Show data from all appliance data to the user
#13 4 Sprint 2

Closed 24 8 +

TSK25 US5 Create Schedule page, where user can view all scheduled appliances and programs
#30 Sprint 2

TSK22 US7 Create a frontend component to interact with the backend api for scheduling washing machine
#25 5 Sprint 2

TSK16 Bottom navigation bar
#20 2 Sprint 2

TSK23 US2 Create a frontend page for type of user profile
#28 3 Sprint 2

TSK19 US3 Create THE algorithm™🌞🌧️🌪️
#22 10 Sprint 2

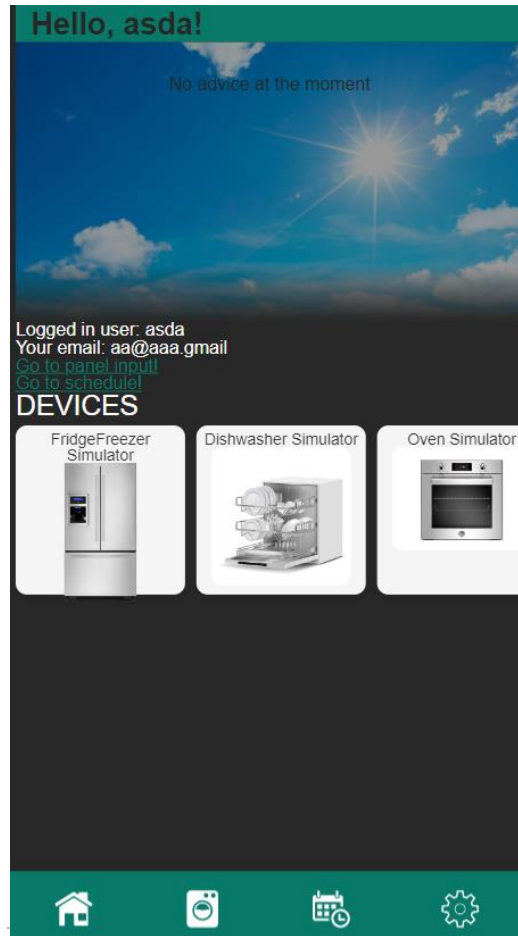
TSK10 FR4 Create mock OpenWeatherAPI solar energy prediction server with the correct endpoints
#12 5 Sprint 2

TSK20 US5 Create carousel and highlight running appliances
#23 4 Sprint 2

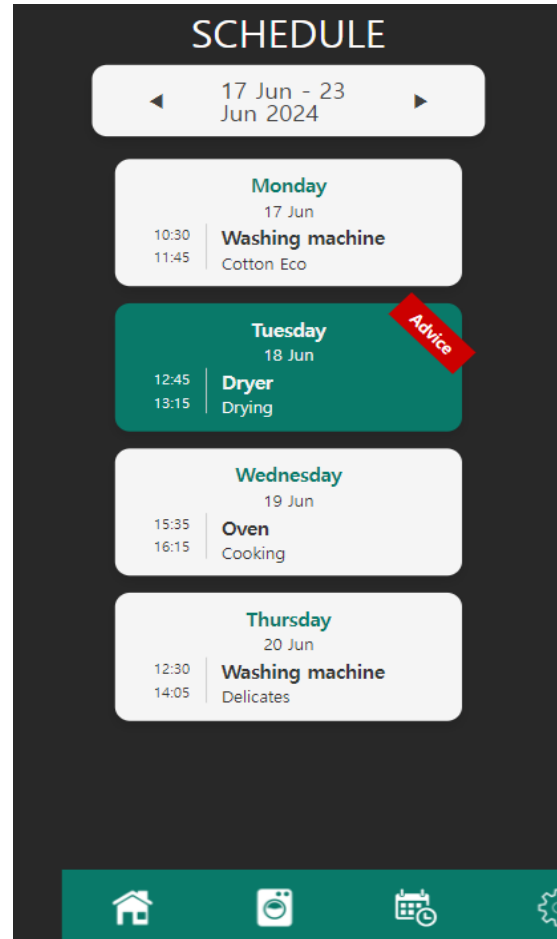
sprint 2

Implementation

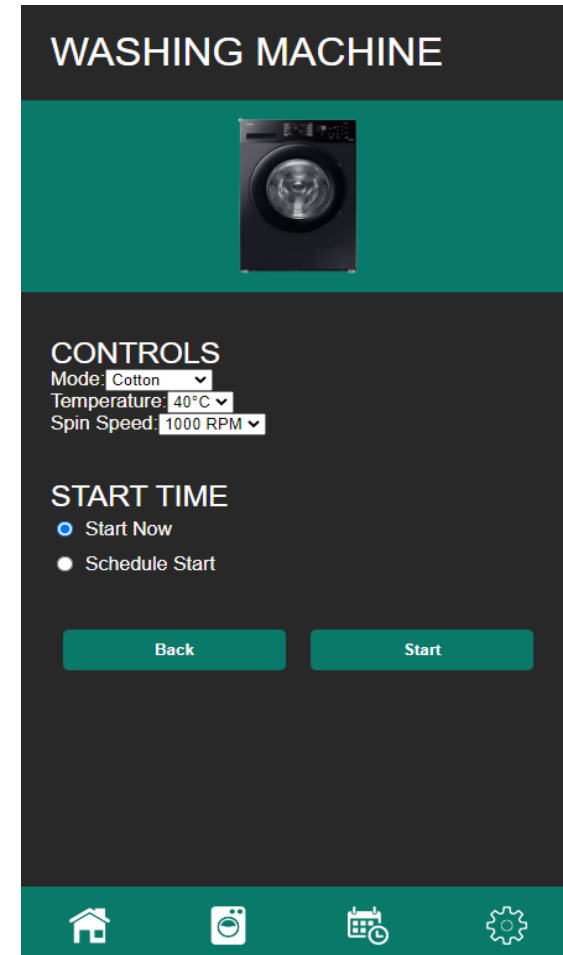
001 Dashboard page



002 Schedule page



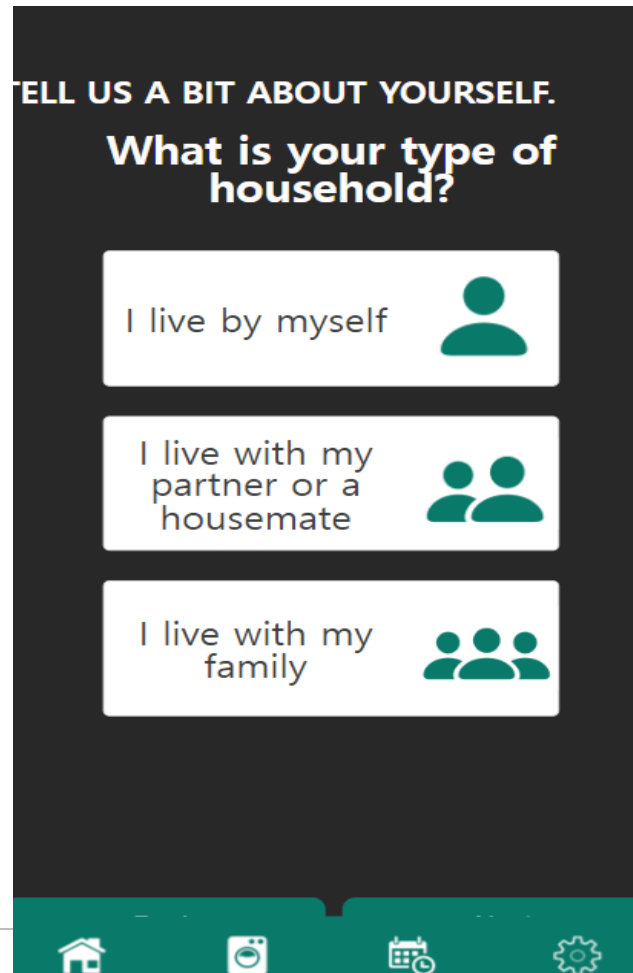
003 Device detail page



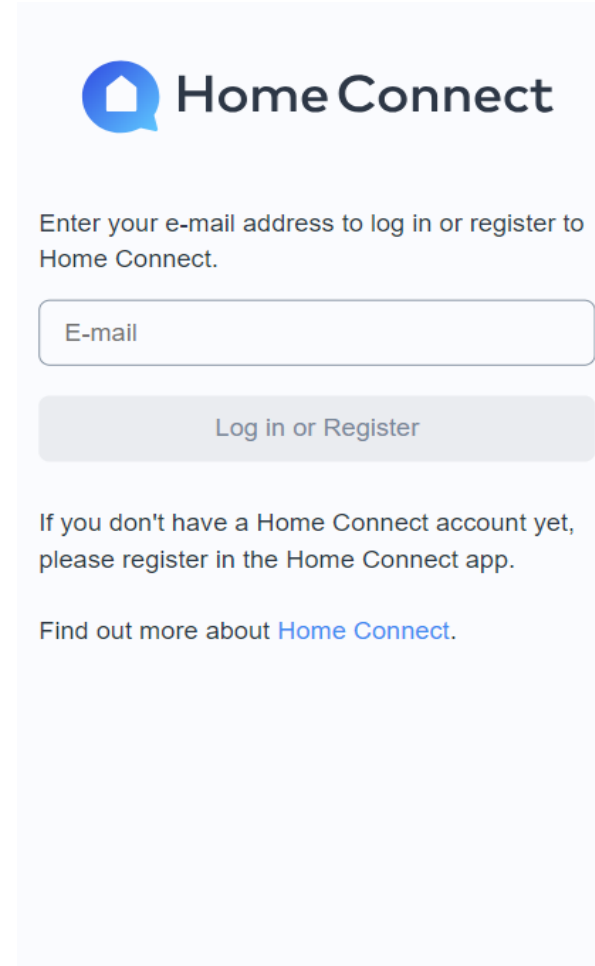
sprint 2

Implementation

004 User profile page



005 Homeconnect page



sprint 2

Documentation

- Research document
- Internal communication plan
- Client communication plan
- Code quality assurance
- Document quality assurance
- Functional design

Demo

Sprint 3 planning

Develop according to all user stories

- **Saving wash configurations**
- **Implementing washing modes**
- **Adding notifications**

Client meeting on Tuesday (18/06)

Internal meetings

Q&A

