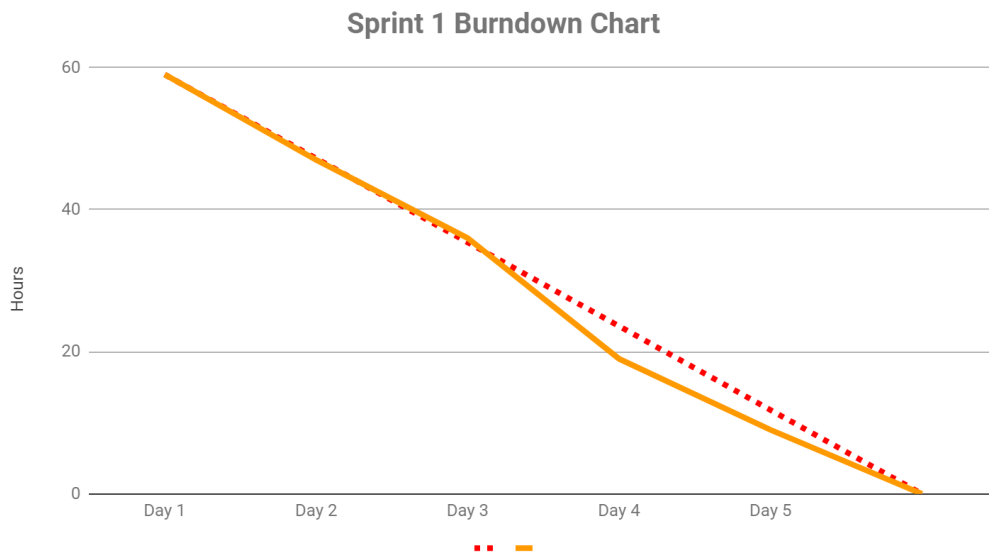


## Android Sprint backlog and burndown charts

### Android Sprint #1

Backlog Item	Responsible	Hours spent	Day 1	Day 2	Day 3	Day 4	Day 5
<b>Sprint #1</b>							
Model Classes	Alexander	2	2	0	0	0	0
MVVM Skeleton Code	Ainis	4	4	0	0	0	0
Web Services with Retrofit2	Ainis	12	4	2	4	1	1
Repositories	Vladimir	3	1	2	0	0	0
ViewModels	Vladimir	2	0	2	0	0	0
Navigation Architecture Components	Alexander	5	0	0	1	2	2
All Fragment skeleton code implementation	Vladimir	4	0	2	2	0	0
Expanded LoginFragment	Vladimir	6	0	0	2	2	2
Expanded RoomMainFragment	Alexander	8	1	2	2	1	2
Expanded RoomChoice	Vladimir	3	0	1	2	0	0
Updated Models	Ainis	2			2		
Connection to Spring Framework	Ainis	8	0	0	2	4	2
Total		59	12	11	17	10	9

# Android Sprint Burndown Chart #1



## Sprint 1 review:

More tasks have been accomplished during the first sprint. We have managed to implement a good structure for our code. Work has been put into designing the user interface. Moreover, the connection to the Spring Framework has been done.

Communication went well between the group members.

In the Chart above red dotted line represents the expected and orange line represents the actual.

## Sprint 1 retrospective:

What worked well?

- Communication.
- MVVM Structure

What could be improved?

- Meet more often.
- Material Design
- A chart for displaying data

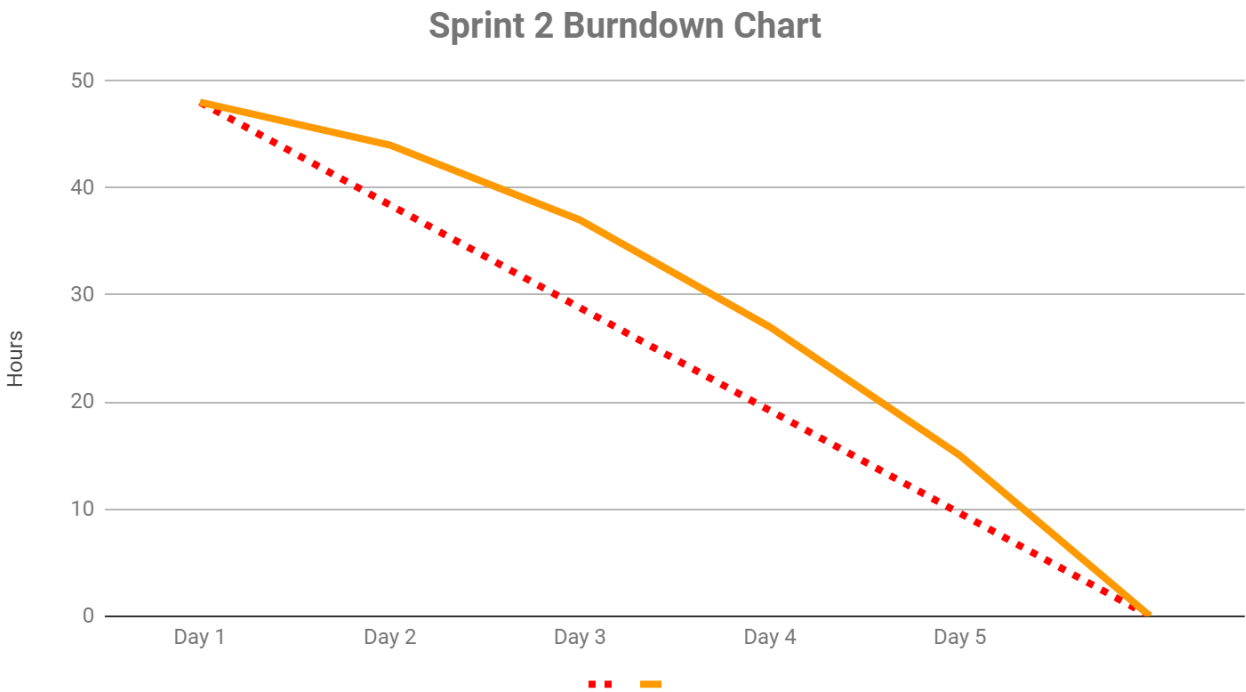
What will we commit to doing in the next sprint?

- Authentication
- Firebase Cloud Messaging
- Bottom Navigation View.

## Android Sprint #2

Backlog Item	Responsible	Hours spent	Day 1	Day 2	Day 3	Day 4	Day 5
<b>Sprint #2</b>							
Firebase Cloud Messaging	Ainis	8	0	4	4	0	0
Expanded WarningList	Ainis	6	0	0	0	3	3
Toolbar	Alexander	6	0	0	2	2	2
Bottom Navigation View	Vladimir	6	0	0	2	2	2
MPAndroidChart for displaying today's data	Ainis	8	0	0	0	4	4
Expanded Report	Ainis	6	4	2	0	0	0
Apply Material Design to the whole project	Alexander	2	0	0	0	0	2
Firebase Authentication	Vladimir	6	0	1	2	1	2
Total		48	4	7	10	12	15

## Android Sprint Burndown Chart #2



## Sprint 2 review:

During the second sprint all of the tasks have been completed. Implementation of multiple features in our system went well.

## Sprint 2 retrospective:

What worked well?

- Expanding the UI

What could be improved?

- Error handling of the backend

What will we commit to doing in the next sprint?

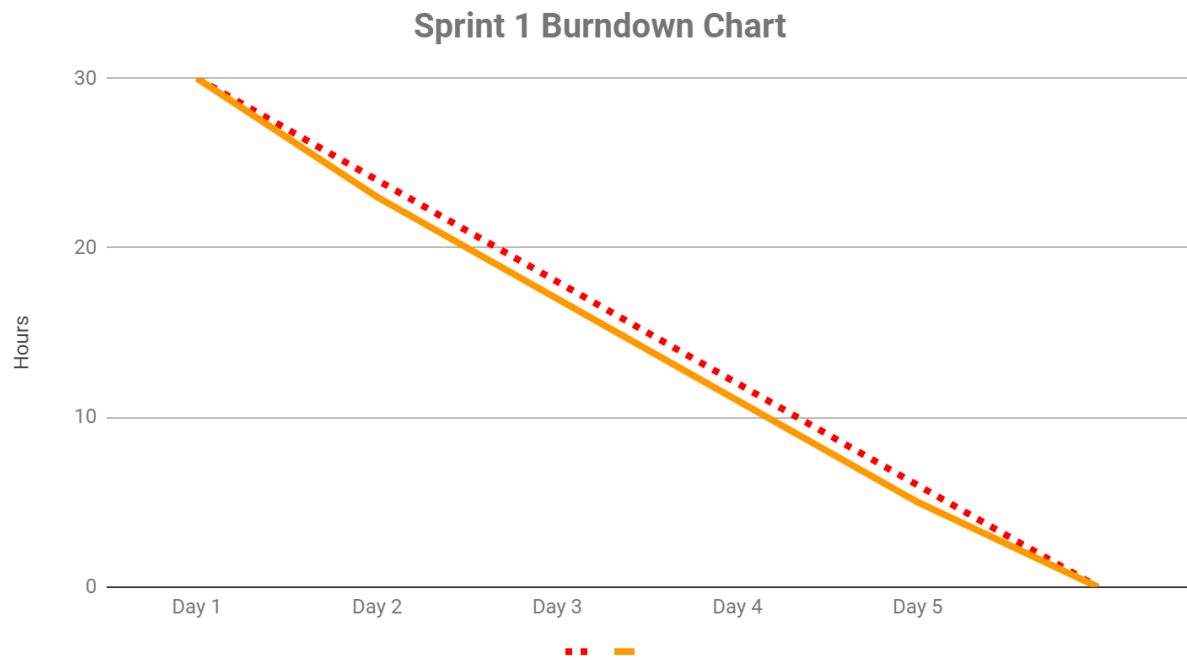
- Last sprint

Embedded Sprint backlog and burndown charts

Embedded Sprint #1

Backlog Item	Responsible	Hours spent	Day 1	Day 2	Day 3	Day 4	Day 5
<b>Sprint #1</b>							
Atmel studio and project setup	Oskars	3	1	0	2	0	0
FreeROTS setup and initial test	Roza	5	4	1	0	0	0
CO2 sensor setup	Oskars	6	2	0	1	3	0
Temperature and Humidity sensor setup	Roza	6	0	3	3	0	0
Finalizing code for sensors	Robert	8	0	2	0	3	3
Sensors testing	Robert	2	0	0	0	0	2
Total		30	7	6	6	6	5

Embedded Sprint Burndown Chart #1

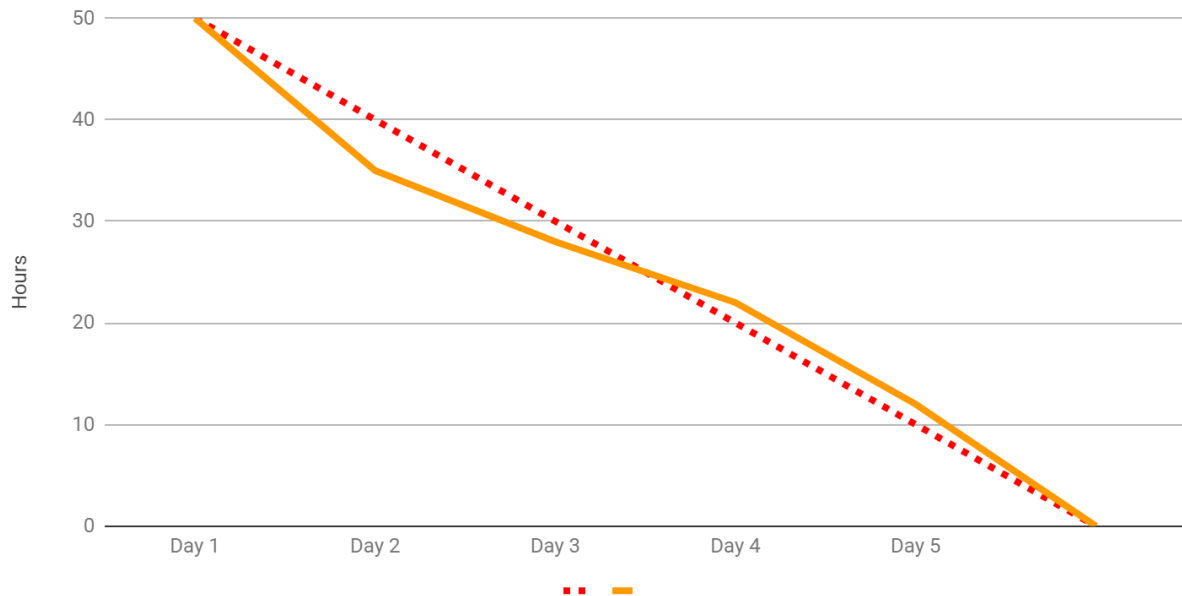


## Embedded Sprint #2

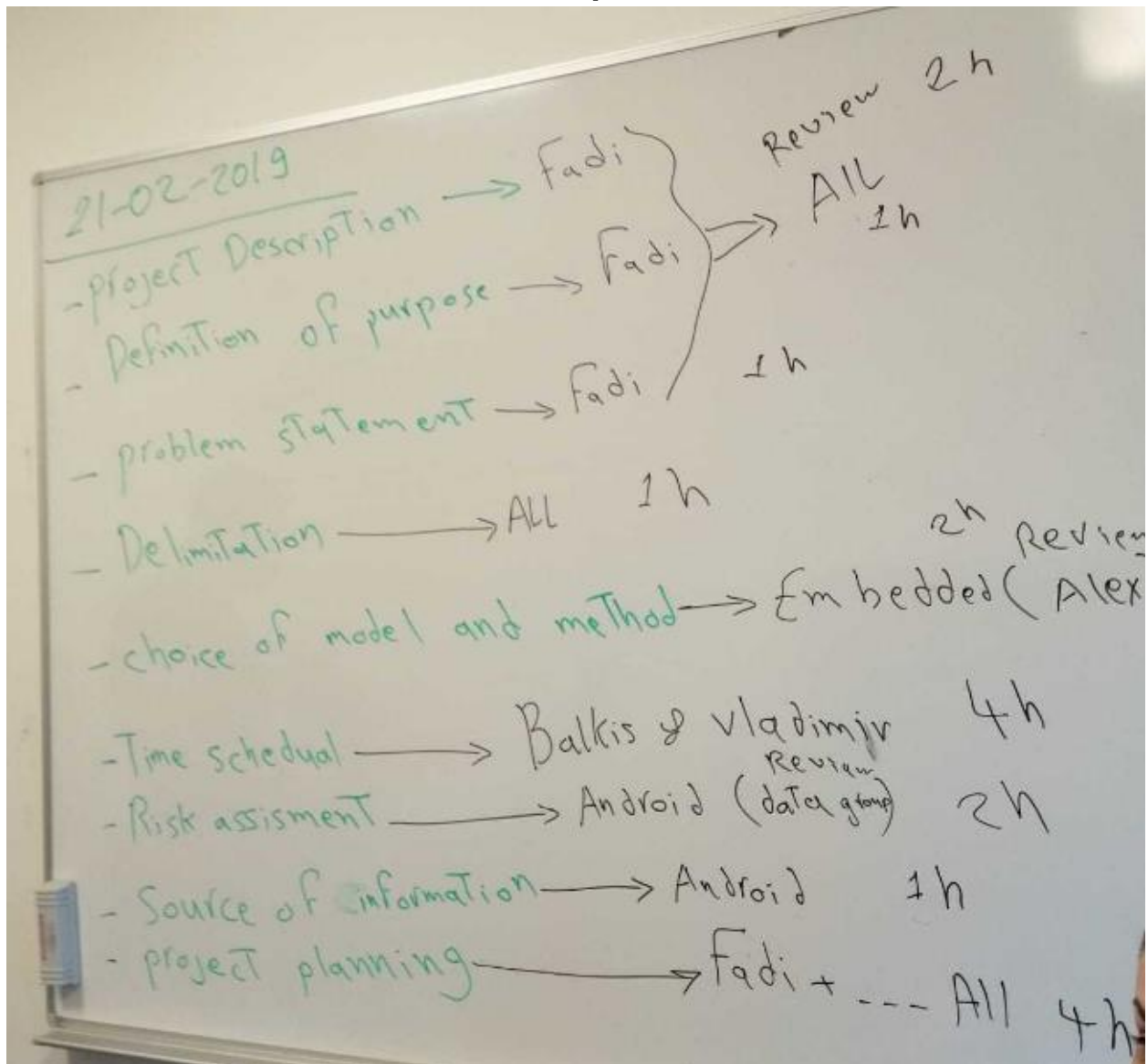
Backlog Item	Responsible	Hours spent	Day 1	Day 2	Day 3	Day 4	Day 5
<b>Sprint #2</b>							
LoRa initial setup	Oskars	4	4	0	0	0	0
Design class Diagram polishing	Roza	6	3	0	0	3	0
FreeRTOS Tasks and Resources	Robert	12	8	4	0	0	0
LoRa testing and debugging	Roza	6	0	0	0	2	4
WebSocket bridge application	Robert	6	0	3	3	0	0
Finalizing code for sensors	Robert	6	0	0	3	3	0
Embedded system testing	Oskars	4	0	0	0	2	2
WebSocket testing	Robert	3	0	0	0	0	3
Sequence class Diagram	Robert	3	0	0	0	0	3
Total		50	15	7	6	10	12

## Embedded Sprint Burndown Chart #2

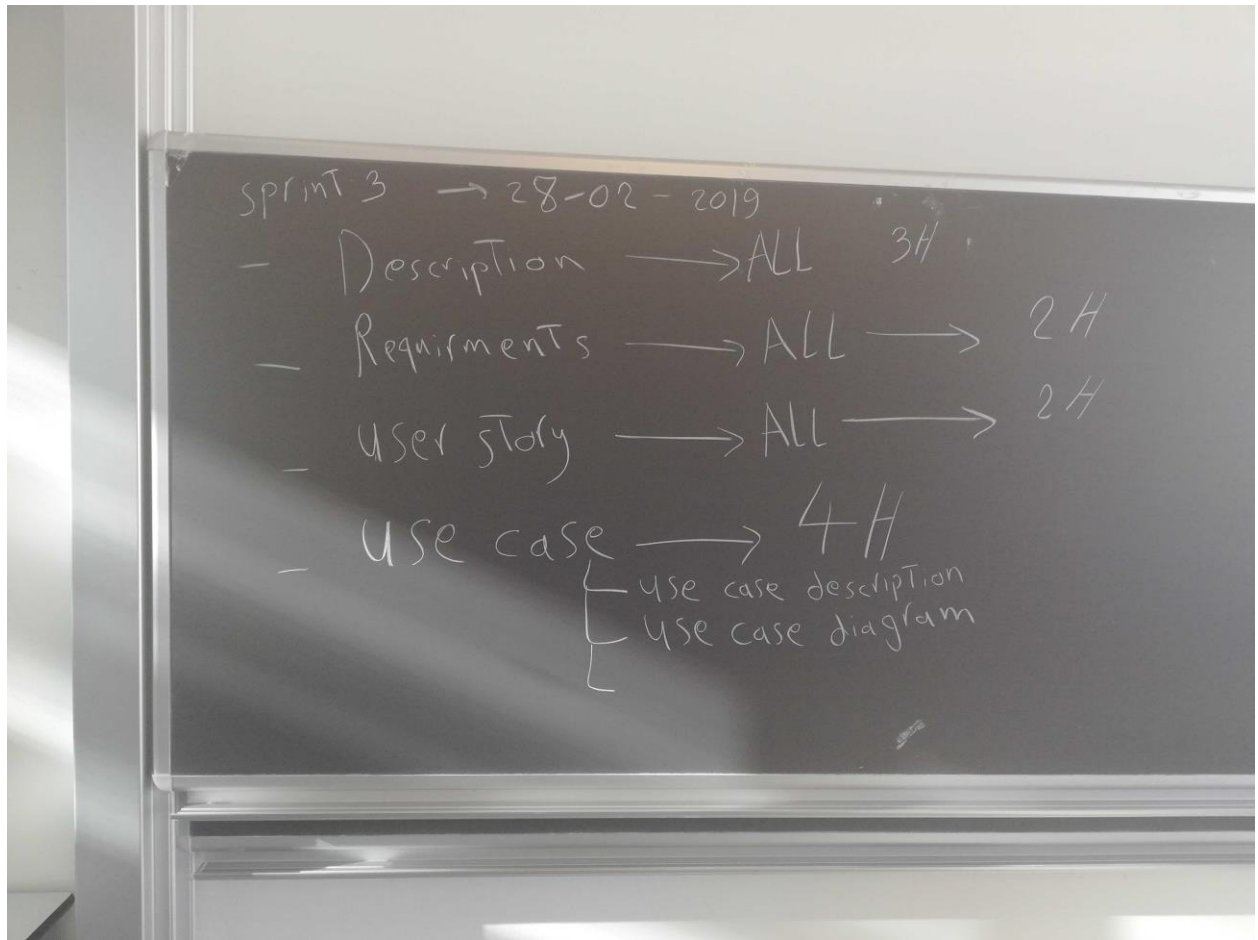
Sprint 2 Burndown Chart



## General sprint #2



### General Sprint #3





## General Sprint #4

7.3.2019

- DOMAIN MODEL [2H] - ALL
- ACTIVITY DIAGRAM [2H] - ALL
- SCENARIOS [2H] - ALL
- USE CASE DESCRIPTION (DETAILED) [2H] - ALL

## General Sprint #5

Sprint 5

Use case diagram  
Use case description > Polish - 2h  
Domain model - 2h

## General Sprint #6

### Agenda sprint 6

14-02-19

- Team work 1 H (trello) ☒
- Review Req 1 H ☒
- Use case 1 H ☐
- Finalise use case description 1 H (scenario) ☐
- Finalise activity diagram 1 H ☐
- Domain model 1 H ☐