

# **Digital Twin of a Smart Room Release 1 Team 2**



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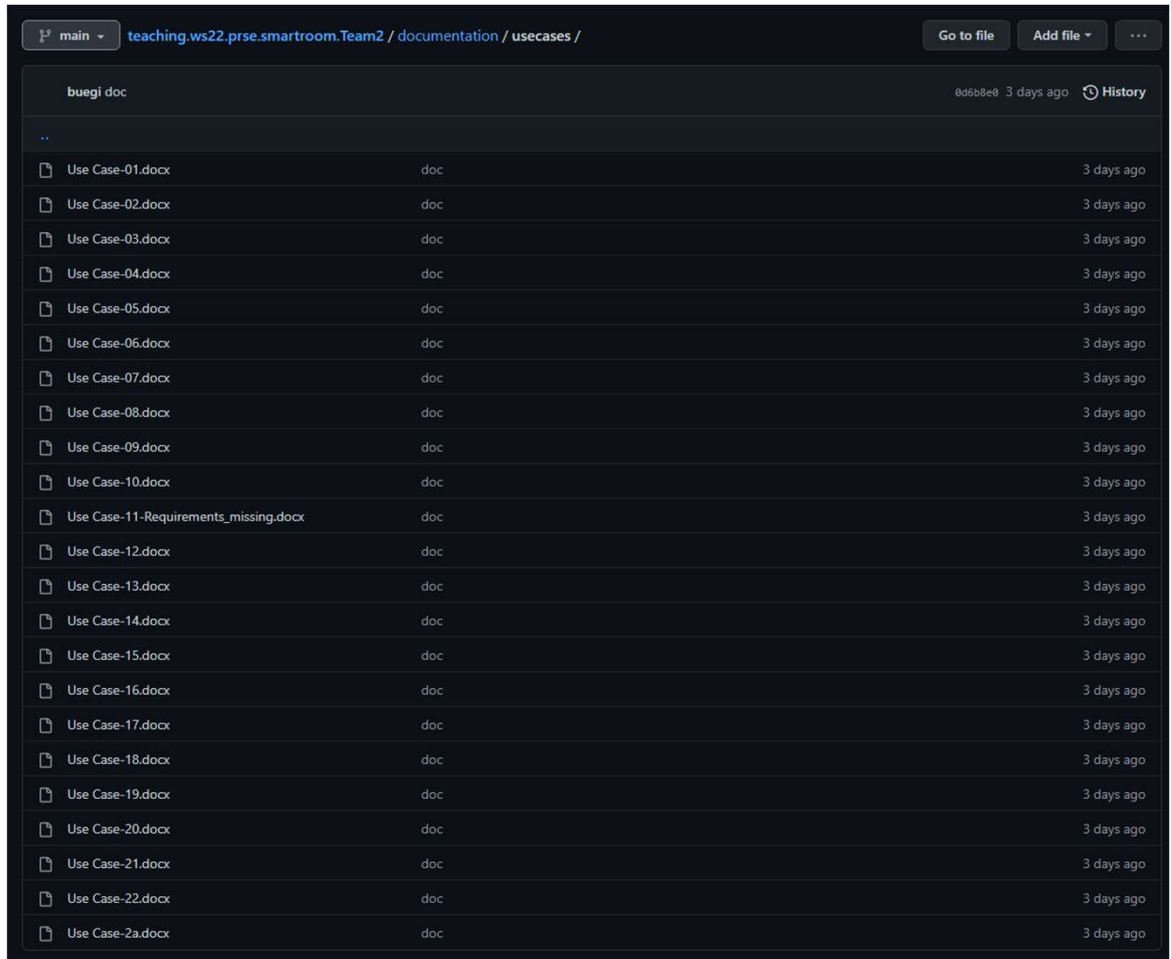
Praktikum Software Engineering – WS2022/23

# Presentation Release 1 - Agenda

- Use Case Description
- UI Prototype
- UML Class Diagram
- Current Status
- Planning for Release 2

# Use Case Description

- Overview
- Sample
- Use Case 21



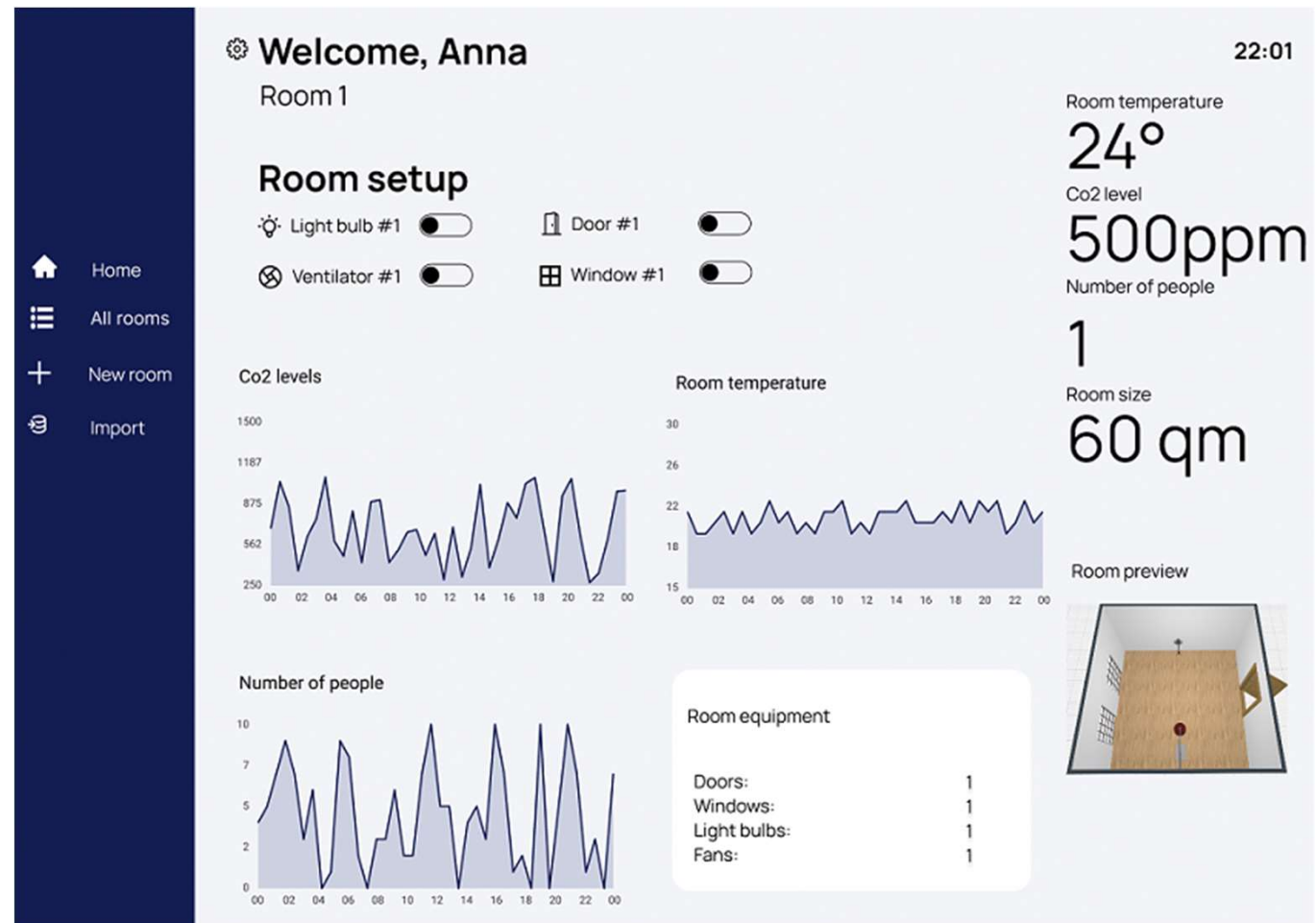
The screenshot shows a file explorer interface with a dark theme. At the top, there is a breadcrumb navigation bar: "main" (with a dropdown arrow) > "teaching.ws22.prse.smartroom.Team2 / documentation / usecases /". To the right of the breadcrumb are three buttons: "Go to file", "Add file" (with a dropdown arrow), and a three-dot menu. Below the breadcrumb, the current directory is "buegli doc", with a file icon, a hash "0d6b8e0", and the text "3 days ago". To the right of this is a "History" button with a circular arrow icon. The main area contains a list of files, each with a document icon, a name, a type "doc", and a timestamp "3 days ago".

buegli doc 0d6b8e0 3 days ago History			
..			
Use Case-01.docx	doc		3 days ago
Use Case-02.docx	doc		3 days ago
Use Case-03.docx	doc		3 days ago
Use Case-04.docx	doc		3 days ago
Use Case-05.docx	doc		3 days ago
Use Case-06.docx	doc		3 days ago
Use Case-07.docx	doc		3 days ago
Use Case-08.docx	doc		3 days ago
Use Case-09.docx	doc		3 days ago
Use Case-10.docx	doc		3 days ago
Use Case-11-Requirements_missing.docx	doc		3 days ago
Use Case-12.docx	doc		3 days ago
Use Case-13.docx	doc		3 days ago
Use Case-14.docx	doc		3 days ago
Use Case-15.docx	doc		3 days ago
Use Case-16.docx	doc		3 days ago
Use Case-17.docx	doc		3 days ago
Use Case-18.docx	doc		3 days ago
Use Case-19.docx	doc		3 days ago
Use Case-20.docx	doc		3 days ago
Use Case-21.docx	doc		3 days ago
Use Case-22.docx	doc		3 days ago
Use Case-2a.docx	doc		3 days ago

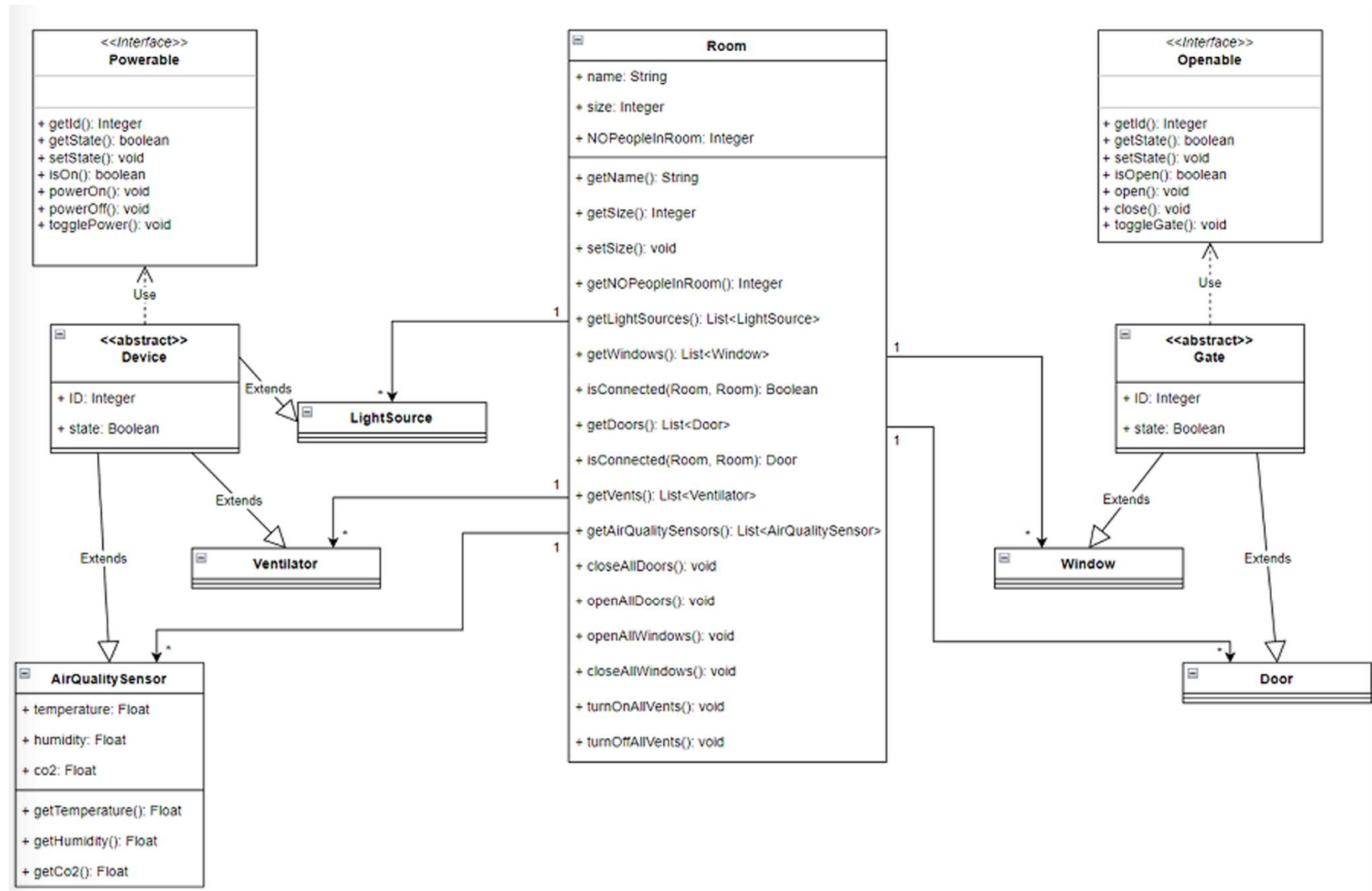
# UI Prototype

Tool: Figma

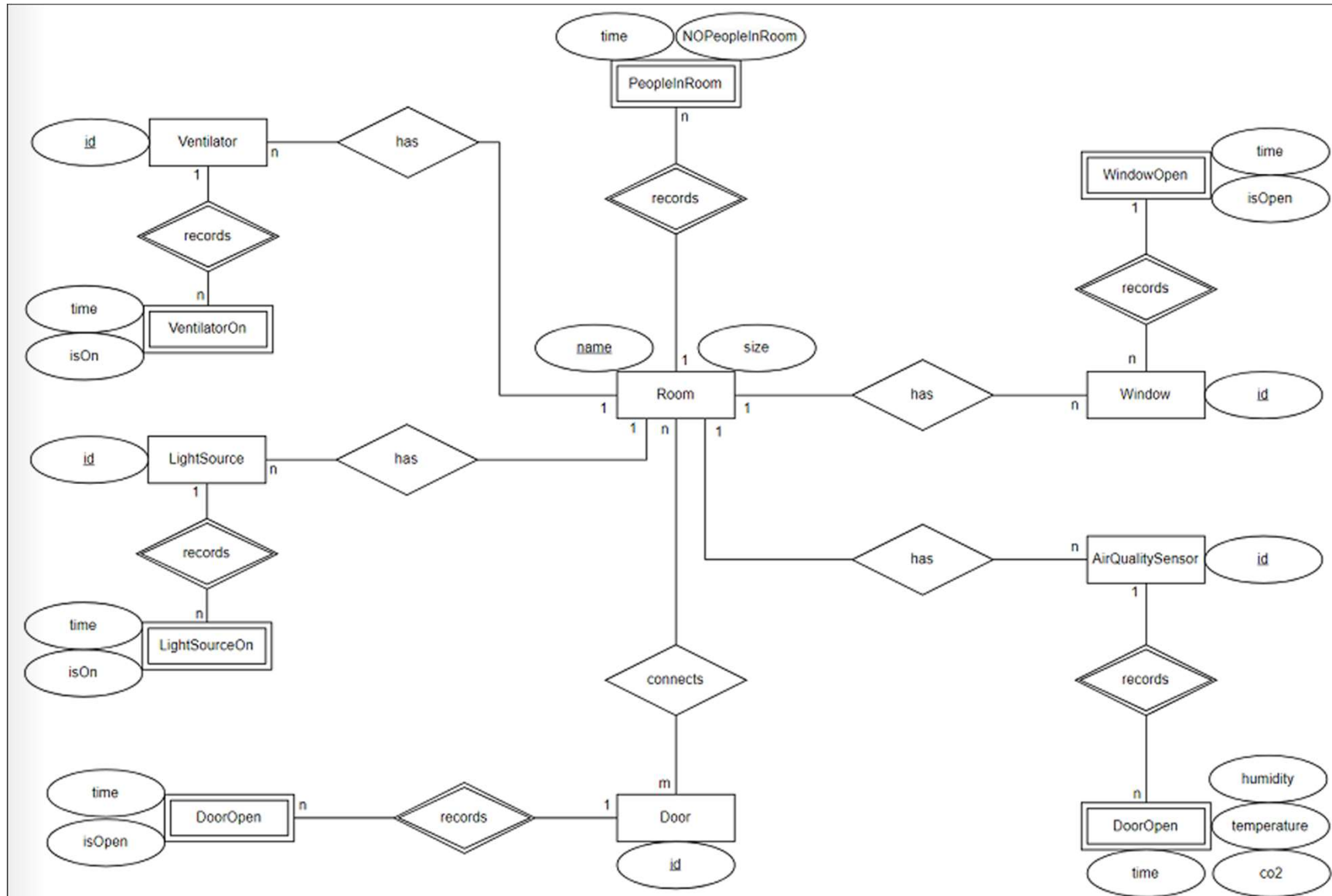
UI Prototype



# Class Diagram (UML, DrawIO)



# ER Diagram (DrawIO)



# What was done, how was the distribution of the tasks?

- Configure github (all)
- Configure zenhub (all)
- Configure circleCI (all)
- Concept (Nuray, Abir)
- UseCases (all)
- Prepare SampleData (LightSource, AirQuality) (Stefan)
- UI Prototype (Nuray)
- UML Diagram (Stefan, Abir)
- ER Diagram (Stefan, Abir)

# Which tasks were created?






A screenshot of the Zenhub web application interface. The top navigation bar shows the repository path "jku-win-se / teaching.ws22.prse.smartroom.Team2" and various tabs like Code, Issues (47), Pull requests, Zenhub (active), Discussions, Actions, Projects, Wiki, Security, Insights, and Settings. Below the navigation bar, there are filters for Repo (1/1), Label, Sprint, Assignee, Epic, Release, Estimate, and Author. The main content area is divided into four columns: "New Issues" (15 Issues), "Epics" (4 Issues), "Icebox" (0 Issues / 0 Points), and "Product Backlog" (20 Issues). The "New Issues" column lists four issues, all labeled "enhancement". The "Epics" column lists three epics, each with a "Filter by epic issues" button. The "Icebox" column is empty and contains a message: "Low priority Issues that do not need to be addressed in the near future." The "Product Backlog" column lists four items, each with a category label: "UI", "documentation", "Database", and "Database".



# Did the team make a good estimation of the effort?

■ UI Prototype more effort than expected  
(mostly performed by Nuray)

Team activities						
TEAM MEMBER		LATEST ACTIVITY			TOTAL TRACKED (THIS YEAR)	
	Abir Sikder	1. LVA • PR SE	01:00:00	in 2 hours	18:09:58	<div><div></div></div>
	Nurayseker 54	Präsentation - Sprint 1 • PR SE	02:20:00	2 hours ago	25:42:38	<div><div></div></div>
	Stefan Pilgerstorfer	präsentation • PR SE	02:18:29	2 hours ago	19:13:54	<div><div></div></div>

# Problems & Lessons Learned

- *CircleCI*
- *Zenhub*
- *Recognizing all requirements and devices  
(Slides, Requirements document, ...)*
- *Basic knowledge about required tools*
- *Estimation problems will stay*

# Next Steps + Planning Release 2

## ■ *Prototype*

- *Implementing database*

- *Filling dummy data (database connection)*

- *SceneBuilder UI*

- *Some basic features working*

  - *Import csv data*

  - *CRUD on basic classes*

- *Unit tests for implemented features*

- [Zenhub](#)