

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



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Praktikum Software Engineering – WS2022/23

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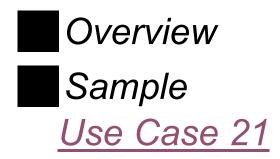
Altenberger Straße 69 4040 Linz, Österreich www.jku.at

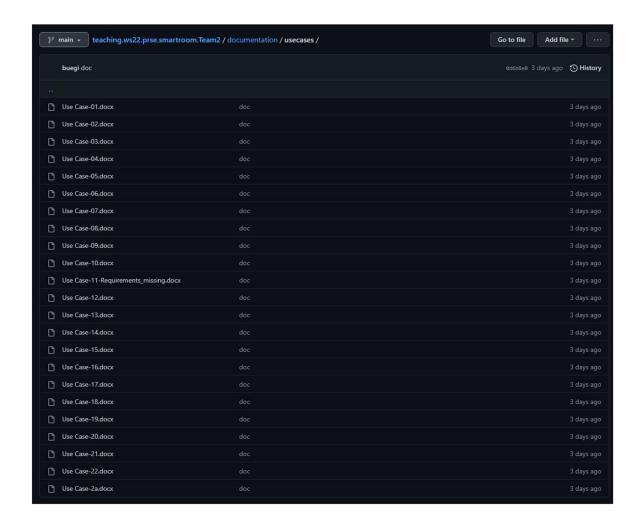
### **Presentation Release 1 - Agenda**

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



### **Use Case Description**



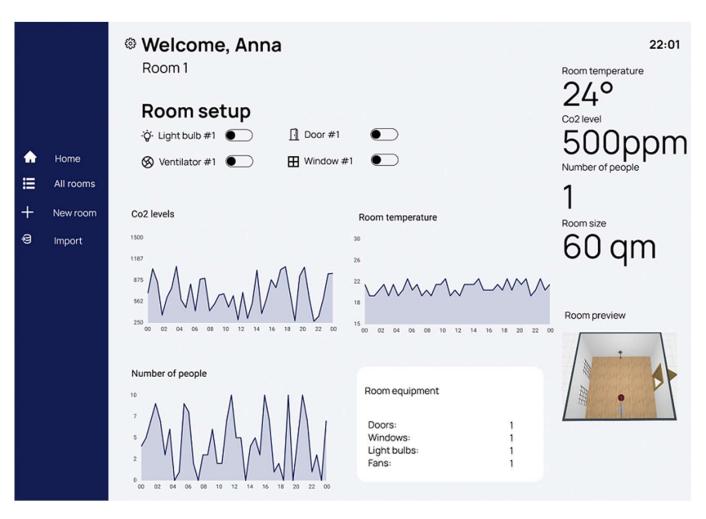




### **UI Prototype**

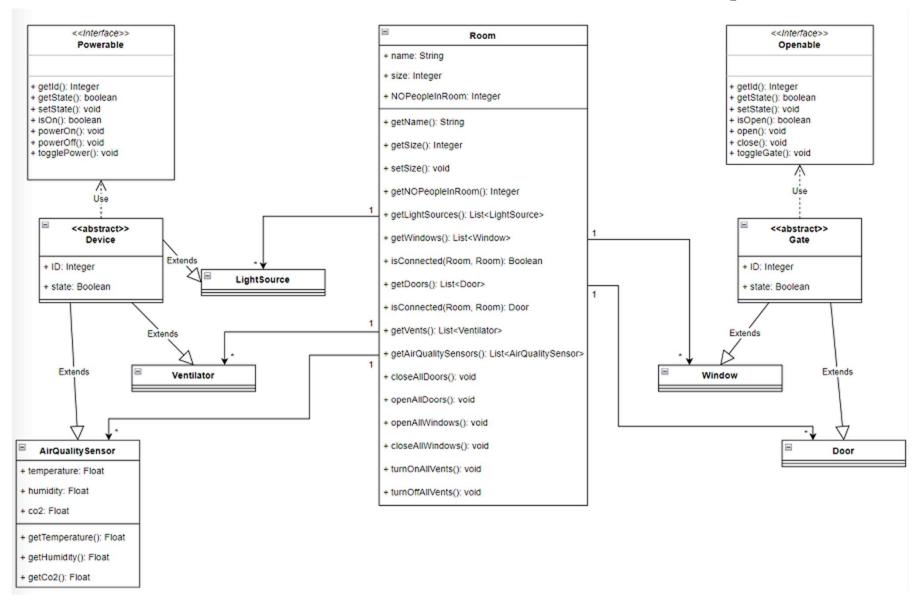
Tool: Figma





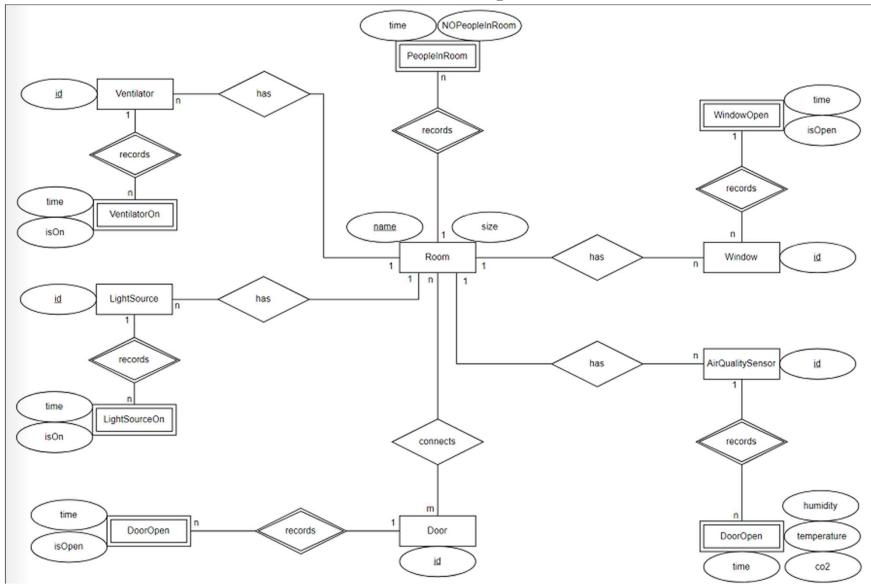


### Class Diagram (UML, DrawlO)





## ER Diagram (DrawlO)





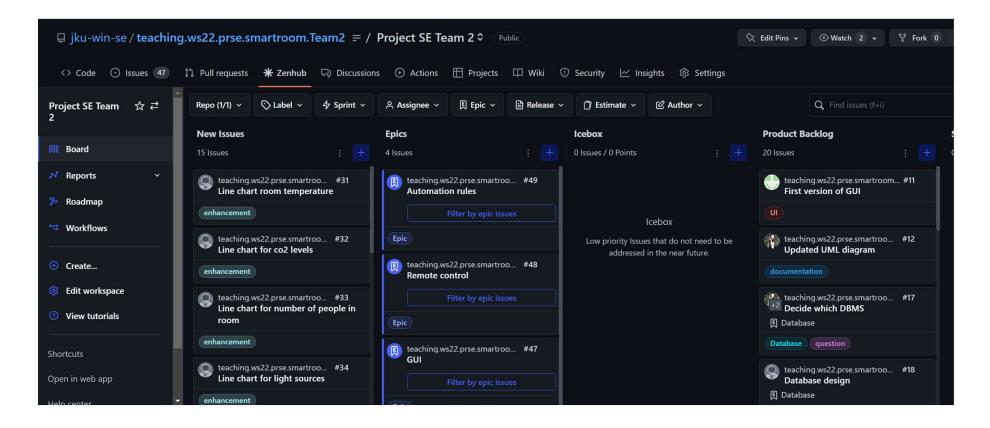
# What was done, how was the distribution of the tasks?

- Configure github (all)
- Configure zenhub (all)
- Configure circleCl (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?

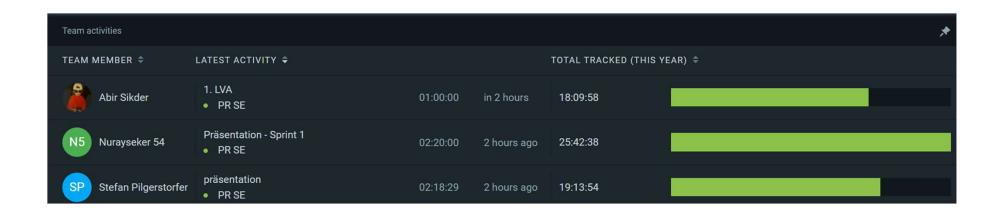
### Zenhub





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

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





#### **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)
  - GUI
  - Some basic features working
    - Import csv data
    - CRUD on basic classes
- Unit tests for implemented features
- Zenhub

