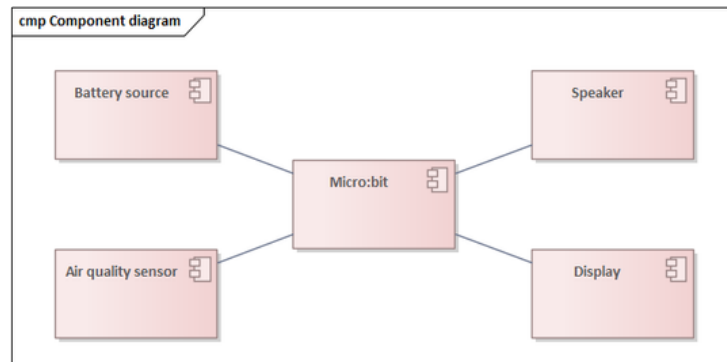


04.System Layer (2023-2024-S019-S020-S021)

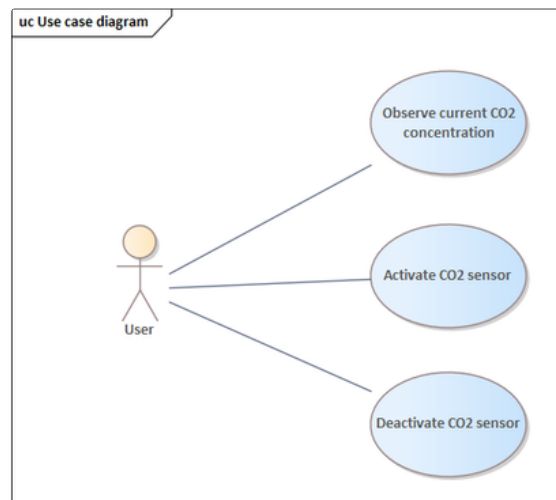
Component diagram

System consists of a Micro:Bit with connected batteries and air quality sensor providing air quality data to the Micro:Bit, which utilizes its display and speakers to inform and notify the user about the air quality data.



Use case diagram

The main use case of our sensor consists of observing the current CO2 concentration of the surrounding air. Other than that, the seonsor can be turned on or off.



Activity diagram - main sensor function

The main task of our CO2 sensor is to showing the current CO2 concentration together with symbolizing the level of danger the people in the room are - warnings for high concentrations and alerts for extreme CO2 concentrations.

act Activity diagram

