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| **Id** | **Name** | UseCase1 | SHT31 sensor library. | |
| **Goal** | | Read the temperature and humidity from a SHT31 sensor when called. | | |
| **Pre-condition** | | Turn system on. | | |
| **Post-condition** | | Returns temperature and humidity. | | |
| **Actors** | | User and Sensor. | | |
| **Triggering event(s)** | | Function call. | | |
| **Cross-references** | |  | | |
| **Description** | | **Actor** | | **System** |
| 1. User calls function. | |  |
|  | | 1. Setup I2C bus. |
|  | | 1. Setup sensor. |
|  | | 1. Send data to user. |
| **Extensions** | |  | | |
| **Alternatives** | |  | | |