**Work Breakdown for Greenhouse Monitoring System**

**Database**

The server-side application require a Google account for the database with Firebase. The database will store the readings of the temperature, humidity and CO2. The application will be connected with the database to show the readings stored on the database to the application.

**Hardware**

The AM2315 sensor measures the temperature and humidity, and the CCS811 sensor measures the levels of CO2 that are in the air. Both sensors are integrated together with Raspberry Pi. The completed hardware will be able to be connected with the software in order to receive and store data in a remote database. Additionally, OLED will be added as a feature to show readings of temperature, humidity and CO2.

**Software**

The mobile application shows information of temperature, humidity and CO2 from the database. There will be an added feature where the user has the ability to control the fan to go on or off. The application is currently in the process of being developed.

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| **Student Name** | **Responsibilities/Tasks** |
| Colin | Developing GUI and linking with database |
| Kenneth | Developing mobile app and database |
| Princess | Integrating all hardware components |