Below you can find all the possible points I'll be grading you from. If you have any questions about them, please tell me.

Operations

Log into a remote server using SSH or SFTP

Install and configure one web server of choice (Caddy, NGINX, Apache, …)

Configure said web server to handle PHP correctly

Make sure PHP is capable of talking to the database—PostgreSQL—correctly

Frontend

About page (HTML, CSS)

A page visualizing live data from the database (HTML, CSS, PHP, JavaScript, jQuery, AJAX, PHP)

A page that can return the contents of the database in JSON, XML, or another format (PHP)

Backend

CRUD endpoints

RESTful API

Data stored in the database

Security

No SQL injections

No default passwords

Proper use of PKI (ssh keys)

Services run as their own users

Services are isolated

Teamwork

Good git commit messages

Proper use of GitHub pull requests

Clear and plentiful GitHub issues

The team was capable of working asynchronously

Documentation was written

Hardware

Headless device that can use the REST API to upload data to the server

A service that starts when the device boots

Maybe the device can even pull data from the server to change its behavior?

Nice extra's

Amaze me 😉

Presentation

Explain what you created, and how you created it

Tell me the story of how the group worked together

Tell me what went well, and what did not

Give a tech demo (I'll pray to the demo gods for you)

Q&A