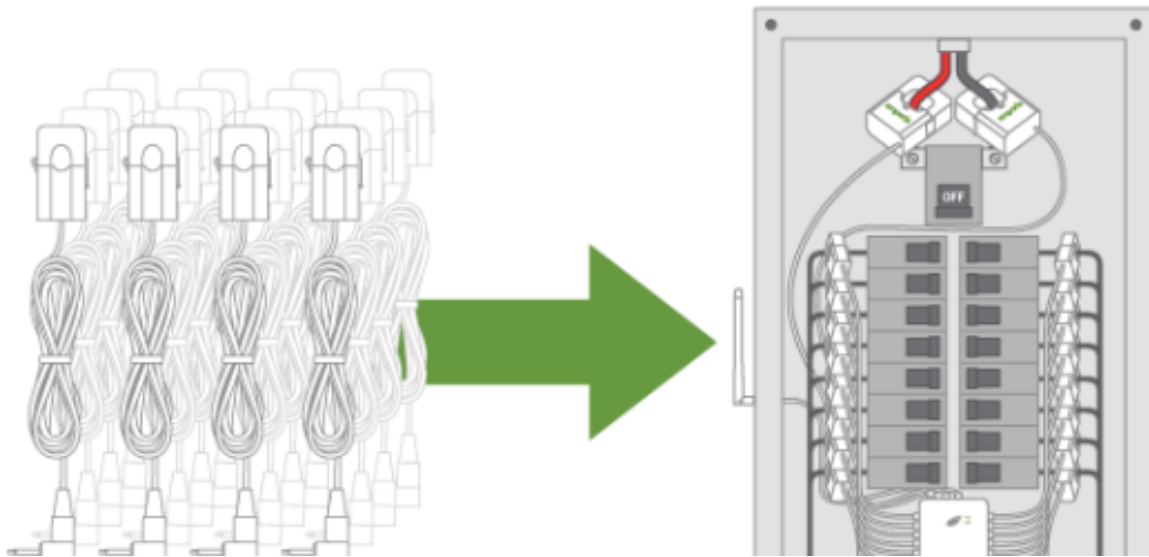


Interview Task

Subject Gemindz-EMS




Project Overview: -




- Monitor the energy consumption in the electric panel 24/7, 1 reading per second.
- Connect over Wi-Fi, and send the data to web interface/mobile application.
- Display the information, and provide recommendation for efficient energy consumption.

- Assume that you have collaborated with the product manager and agreed on these key features: -

1) Reporting

-  As a user I want to be able to learn about my energy expenses in a simple way by visualizing them.

2) Budgeting

-  As a user, I want to make sure I'm setting and tracking my energy budget.
-  As a user, I need to be aware of my energy expenses.
-  As a user, I want to be alerted/reminded if I'm on the verge of overspending.

Note: Please feel free to make assumptions based on your understanding of these features.

Outcome:

- Define the software requirements, technologies (recommended to be used) and map out potential dependencies.
- Define a quick way to build MVP for the Frontend, and time needed.
- Define a graph for the Software Architecture Modules and SubModules needed, and integration interfaces according to the requirements.
- Define a Simple Task Break down for The Software Requirements according to the modules specified.
- Define A timeline for the frontend/backend activities and the key milestones and the expectations of each milestone.
- Define if cloud storage or local storage will be needed for the application and justify.
- Define any security and privacy considerations needed.
- Define any limitations and/or challenges in the early stages and how it can be tackled.