

Service Contract

Debuggers Anonymous – EPI USE

Project Overview

The goal of this project is to create a solar power calculation tool.

Users will be able to securely register and login, enter their address, and receive an evaluation of the solar potential of their property.

The evaluation will incorporate a trained AI model to detect the average sunlight in the area and estimate the amount of energy that could be generated based on different types of solar installations.

Interface / Web Application:

- Design a user-friendly interface that encompasses interactive tools, comprehensive calculation rundowns, and detailed information about how the user can benefit from solar.
- Develop an account management system where users can save their calculations
- Ensure the interface is mobile-friendly
- Optional: Enable users to download a report of their property.

Calculations with AI Model:

- Generate the solar potential of a location
- Account for factors such as weather, obstructions, and potential shading during the calculation
- Optional: Fine-tune the AI model to provide more accurate measurements for a user's house, rather than a general area.


Database:

- Develop a database to store user credentials and previous calculations
- Ensure compliance with the Protection of Personal Information Act (POPI)
- Ensure the data is stored securely.

REST/SOAP API:

- Create a REST/SOAP API to deliver data from the database to the front-end
- Ensure data security
- Compress data to optimise performance.

By signing below, you acknowledge and agree that the aforementioned requirements accurately represent the agreed-upon project specifications.

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Signature: 

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