project documentation

Solar installation project

CONTENT

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MVP

|  |  |  |  |
| --- | --- | --- | --- |
| **Solar installation website…** | | | |
| **Requirements** | **Explanation** | **Importance**  (Necessary/Nice to have) | **Weight**  % |
| **Customer login** | * **Login –**   Using your email and password | **Nice to have** |  |
| **Identify consumption** | Customer enters: -Battery capacityEnergy used per dayPanel capacity | **Necessary** |  |
| **Units charged per area** | Customer must enter the amount they get charged per unit in the area they live in. | **Necessary** |  |
| **Visualization** | They should Show a view of the consumption for a day in winter and a day in summer to see how they differ  -show the solar panels generation, battery capacity. | **Necessary** |  |
| **Cost of electricity** | Customer must see the amount they spend on electricity. | **Nice to have** |  |
| **Amount saved using solar** | The customer should see how much they can save if they install solar. | **Nice to have** |  |
| **Functionality** | The website must calculate the users consumption per hour. | **Necessary** | **100%** |
| **Report** | **Give feedback about :-**Production per day Usage per day  Battery per day  Electricity savings | **Nice to have** |  |

**Project objectives**

**Should be Smart**

* Solar 1
* Solar 2
* Solar 3

**Business Background**

**Project scope**

**Functional and non-functional requirements**

**On the table**

**Use case**

Mockup

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Create profile**   |  |  |  |  | | --- | --- | --- | --- | | **Email address**:   |  | | --- | |  |  |  | | --- | |  |   **Create password:**  **Confirm password:**   |  | | --- | |  | |       **Login**   |  |  |  | | --- | --- | --- | | **Email address**:   |  | | --- | |  |   **Password**:   |  | | --- | |  | |      |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Website Interface**  **Energy Consumption:**   |  | | --- | |  |   **Battery capacity:**   |  | | --- | |  |     **Total solar capacity:**   |  | | --- | |  |   Clear  **Unit rate:**  Calculate   |  | | --- | |  |   Winter Graph  Summer Graph  Display | |

**Business case**

**Persona 1**

**Pseudocode**

1. Go to the website
2. Enter Battery capacity
3. Enter energy used per day/hour
4. Enter panel capacity
5. Enter the unit charged per area
6. Calculate consumption per day/hour

RACI CHART

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Client | BA | Dev Ops | QA | PM |
| Pseudocode |  | R | I | I | A |
| Process map |  | R | I | I | A |
| Persona |  | C |  | I | A |
| Mockup |  | R | I | I | A |
| Wire frame | C | R | I | I | A |
| Coding |  | C | R | I | A |
| Testing | I | C | I | R | A |

R - Responsible

A – Accountable

C – Consult

I – Inform





