

**AMPLUS SOLAR INTERNSHIP PROJECT**

Front End Development of Access Management System

**Submitted By**:

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**OVERVIEW**

Aim of this project is to design and create user interface of the access permission form for granting access permissions to new/existing employees and generating random password for company’s portal.

Project involves use of HTML, CSS, Bootstrap (CSS Framework), JavaScript, JQuery (JavaScript Library).

**DESCRIPTION AND FUNCTIONALITY**

Project involves making a webpage consisting of access permission form. Form has 4 input fields required to be filled.

1. **Email Address:** First input field is the email address. Here, admin inputs the email of the employee whose access permissions need to be set/modified. A button is provided on the right of the input field to check, if the entered email address already exists in the database or not. If it does exist, message “email id exists” is displayed below the email input field. This is done using Fetch API.
2. **Password:** Next input field is the random password generator. Clicking on generate button on the right of the input field generates a random 10 digit password containing lower case and upper case alphabets, numeric values and special characters. This password is used to log into the company’s portal. Random password generator is implemented using JavaScript
3. **Groups:** After Email Address and Password input fields, group access permissions are assigned using multi-select dropdown menu. The selected access permissions which the employee can view on the portal is displayed on the top with a cross sign on its left which can be used to unselect that particular selected permission. All the functionality of the dropdown menu have been added using select2 library.
4. **Plants id:** Plants access permission id decides which plants info can be accessed by the employee. It also has a dropdown menu similar to groups from which multiple options can be selected and displayed as described in groups using the same select2 library.

After all the information is obtained, information needs to be stored in the database and also displayed to the admin. This is done by providing submit button below which on click displays all input.

