



Implementing Action

Web-Based ESG Dashboard for Small and Medium Enterprises

Sprint 1

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Website architecture

The pages that would be required for our website will include a landing page (homepage), a login/registration page, a data input page, and a reports page.

Landing Page (homepage): This section of the website will introduce the website, its purpose (ESG tracking for SMEs) and will permit users to log into the website if they have an existing account, or create an account with the website if they do not have an account.

Login/Registration Page: This section of the website allows company personnel to create an account on the website. They will be required to provide information such as the company name, sector they operate in, the personnel name and email, and password creation and validation. Once registered, they will be required to log in when they want to access the platform.

Data input Page: This section of the website will permit the user to manually input or update sustainability ESG data. This page will be separated into each component of ESG (environmental, social, and governance), where they will input relevant information into each field.

Reports Page: This section of the website will generate automated ESG summaries and downloadable performance reports. The report displays the time period within which the KPIs were measured, the ESG score calculated based on the information inputted for that time period, and the date the report was generated. Upon every update of information in the Data input section, a new report is generated.

Major tables

Users: This table will store the login details and business information of users. When the users register, their business name, industry, personnel name, personnel email and password will be stored in this table.

KPI Data table: This table will save all ESG KPI entries from users. Its attributes will be the different KPI inputs for each ESG component.

ESG Scores: This table will store all the calculated ESG scores from the user's history. This data will also be displayed on the dashboard.

Reports: This table will contain all generated reports from ESG input data. This data will be available to be viewed and/or downloaded.

PHP functionalities

calculateESGScore(): This PHP function computes ESG scores based on KPIs provided by the user.

getDashboardData(): This PHP function retrieves KPI data and converts it into chart-friendly JSON.

generateReport(): This PHP function creates and exports ESG performance summaries.

Frontend Implementation Status

Landing Page (homepage - Implemented

Login/Registration - Implemented

Dashboard - Implemented

Reports - Implemented

Github link - <https://github.com/nerrisa7/Group12-webtech.git>