
Final Project: Implementation

Web Application for GreenLab

Course: Transactional Web Applications 1 (420-430-LE)

Context

Your team of consultants, known for developing web applications, is approached by GreenLab. They specialize in greenhouse gas emissions and are seeking to showcase their new technology's benefits through a web application. Impressing them with your application could secure a high-paying contract.

Main Requirements

Registration and Login

- Public registration page with the following fields:
 - Email address
 - Password
 - Confirm password
 - Date of birth
 - Field of work
- Login page with:
 - Email
 - Password

Home Page (accessible to logged-in users)

- Access to graph view page
- Quick access to saved graphs with options to:
 - View graph by name
 - Consult saved graph data
 - Delete saved graphs

Graph View Page

- Display a graph with information about greenhouse gas emissions
- Controls for updating the graph:
 - Select countries to display
 - Choose emission type

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- Select count type
 - Toggle relative to world total
 - Options to save the graph:
 - Download as image
 - Save presets to database for future reference