

Project's first mockup

PRODUCT LOGO

DAILY

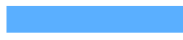
CUSTOM

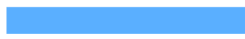
TODAY'S COUNTRY:

MOCKLAND

IF YOU LIVED IN MOCKLAND YOU WOULD (ON AVERAGE):

USE 34% MORE WATER

 **200L**

 **268L**

USE 50% LESS ELECTRICITY

 **2134W**

 **1067W**

Project Scope

Group 8

Our project is dedicated to fulfil the UN's Sustainable Development Goal 12 (Ensure Sustainable Consumption and Production).

Our goal with this project is to promote awareness and responsibility toward our planet's limited resources as well as accurately reflecting various aspects of sustainable living so that the user makes informed decisions for a better future.

Our primary task is to collect data from different reliable sources and organise it within a database. These data will serve as the foundation of creating meaningful indicators, such as water quality, food availability and energy consumption... etc.

Users can, with help of indicators, compare the quality of life (in average) between different countries, highlighting differences and encouraging mindful consumption practice.

The decision that we made in our group was to build a website to ensure board accessibility rather than a mobile app. This approach enables anyone with access to the internet to easily access our website without any limitation of device or operating system.

We're planning to have a REST API written in APS.NET Core that will communicate with a database to serve data to our front end application. The front end application will be an SPA developed in Blazor WASM that requests data from the API mentioned earlier.

As mentioned above, the project we are developing will primarily align with goal 12 in the UN Sustainable Development Goals, which aims to "ensure sustainable consumption and production patterns". The project's main purpose is to make known the difference in "lifestyle" between different countries.

As such it directly relates to target 12.8 of goal 12, which seeks to spread relevant information for sustainable development and a sustainable lifestyle. The website will spread awareness about the differences in how people from different countries live. By displaying statistics about the difference in resource usage, such as food and energy, users will be made aware of potential wastefulness in their lifestyle.

We are hoping that this awareness will encourage the user to waste less resources, therefore contributing to the advancement of targets 12.3; "By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses" and 12.5; "By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse". The website is not made to force anyone to change how they live, but to perhaps encourage and give people a reason to think about their own lifestyle and how it can be changed to make the world a better, more sustainable place to live in.

Our primary challenge includes diverse team skill levels in web development, for some team members, it would be their first time working with web development. For most members it will be the first time working with the frameworks we've selected. Furthermore, finding good and reliable data is tricky due to availability and validation concerns. Overcoming these issues demands good teamwork.