

- **What does our application intend to do?**
  - It allows users to track their carbon footprint and reduce their carbon emissions, especially in countries or locations with high carbon emissions.
- **Who does it serve?**
  - Environmentally conscious individuals or people who want to make a difference in society and the world.
- **How is it different from other applications?**
  - Most applications that tackle problems facing the environment tend to focus heavily on individual aspects such as transportation or energy consumption. However, our project aims to focus on many different aspects and inform the user on how they can improve along their journey.
  - Our app will be specialized in giving users advice based on their daily actions and history.
  - We plan on using a more interactive UI with gamelike elements such as badges, levels, and achievements to encourage more environmentally friendly activities and prolonged use.
- **The inspiration and demand for this application:**

In the past few decades, the amount of carbon emission in the air has almost doubled, drastically changing the temperature worldwide. Winters that used to be freezing and filled with snow are now warmer with snow being rarer each year. Human activity has been causing the rise of carbon emissions, causing this temperature change.

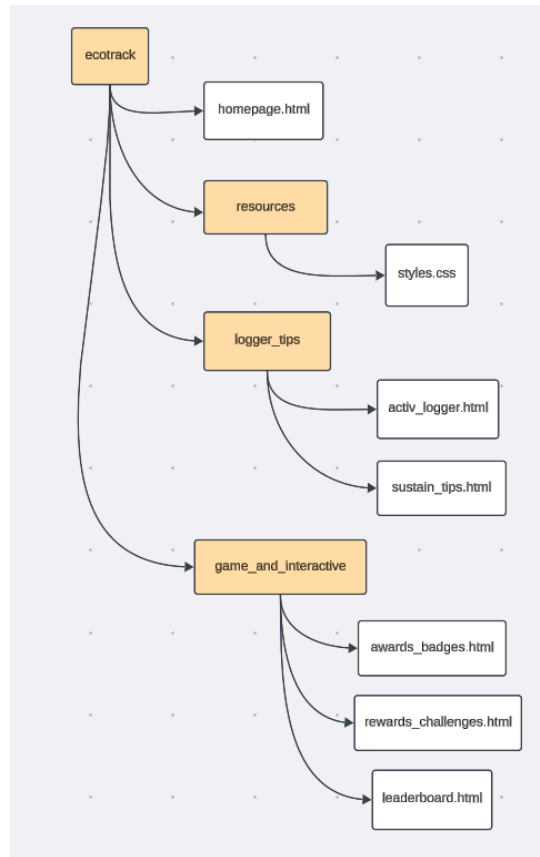
Since winter is approaching, I've been thinking of memories from my childhood of the cold Christmas season when my friends and I would be messing around in the snow but now, there is barely any snow where I live and the winters are much warmer.

The increase in temperature is not just a local issue, but part of a much larger global trend. In the past few decades, global warming has caused the melting of ice caps, rising sea levels, and many other extreme weather events worldwide. These effects may not be as apparent in our daily lives, but it is happening and is an ongoing problem.

Although not all of this can be affected by individuals, there are actions we can take to reduce our individual carbon emissions. This is where this app comes in to assist. Many people don't want to or don't have time to research ways to contribute to stopping this, but our app can help

easily track your carbon footprint and give feedback on things you are doing right or things you can improve on.

- **Information Architecture:**



- **Primary and secondary areas of focus:**

- Our primary focus will be Area 1: HTML, CSS, and graphics for page layout and design. Our secondary focus will be Area 5: putting real data in a database, session storage, or local storage.

- **Roles and responsibilities:**

- Ryan: Activity logger and sustainability tips (making the files and CSS styles and forms for both).
- Braden: Awards, badges, challenges, and rewards for individuals.
- Both: Homepage, Leaderboard, Database management, and general CSS styling.