Project GoGreen:

OOP Project Group 53

The Problem

- Globalized supply chain
- Non-renewable energy resources
- Transportation methods

Concept

- Computer Software application
- Activity recommendations to help prevent/reduce CO_2 emissions
- Tracking CO_2 emission prevention

Design values & principles

- User Gratification & Gamification
- Intuitiveness
- Scalability
- Working towards the greater good

DEMO

Reflection

- We learned how to **work in a team**.
- We learned how to use **version control**.
- We learned effective **techniques of software development**.
- We learned to **self-teach** the necessary tools/technologies.

Q&A

Backup slides

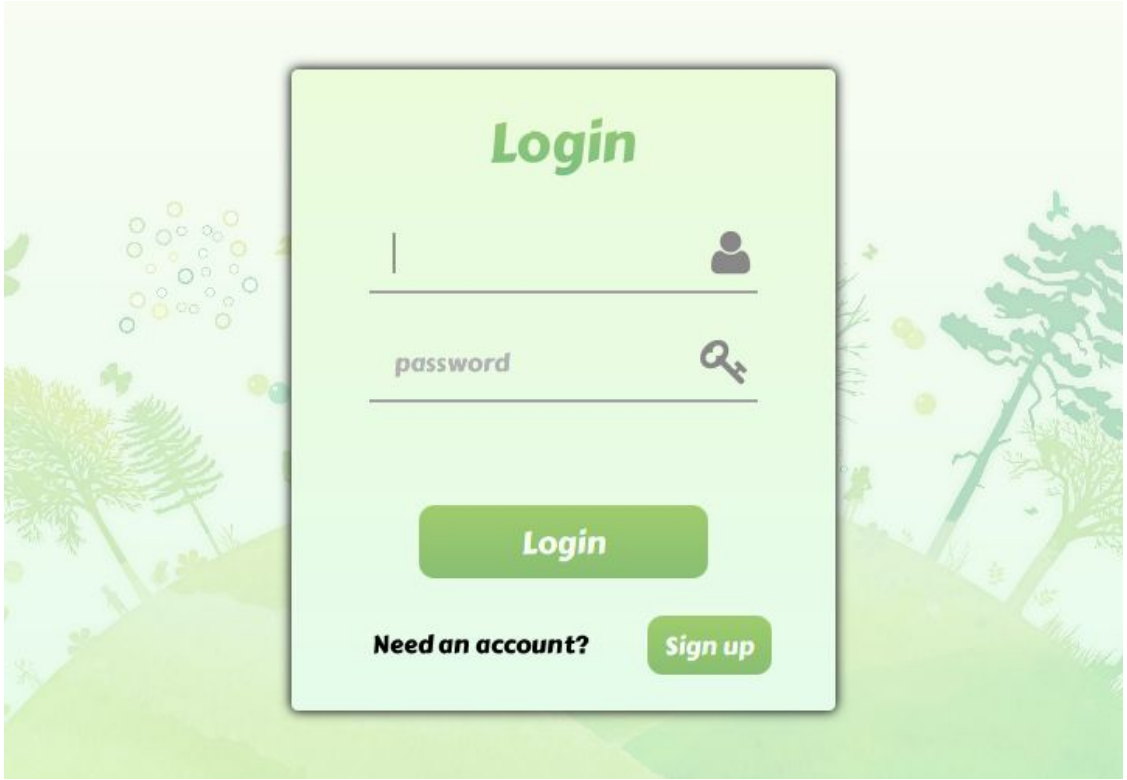
Main Features:

- Login Screen
- Signup Screen
- Main Screen
- Transportation
- Profile
- Leaderboard

Login Screen

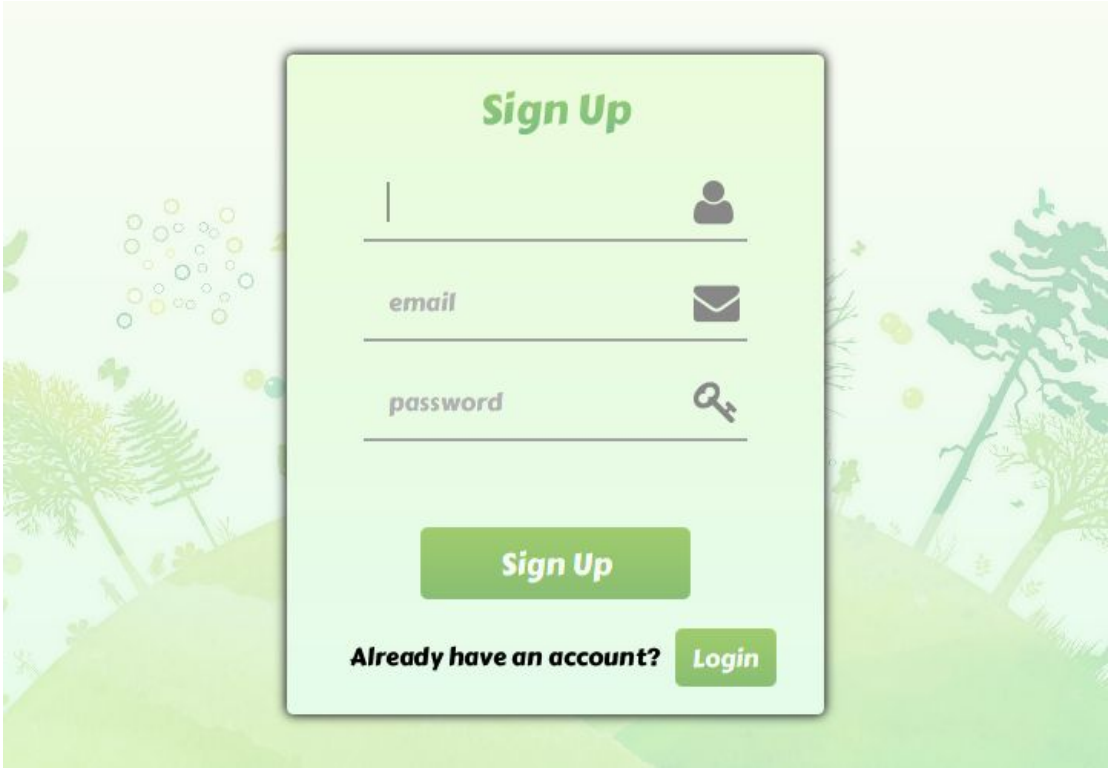
Functionality:

- Login/Signup
- MySQL database



Signup Screen

- Signup
- Checks whether username/email already exists and informs user*



***Bonus feature**

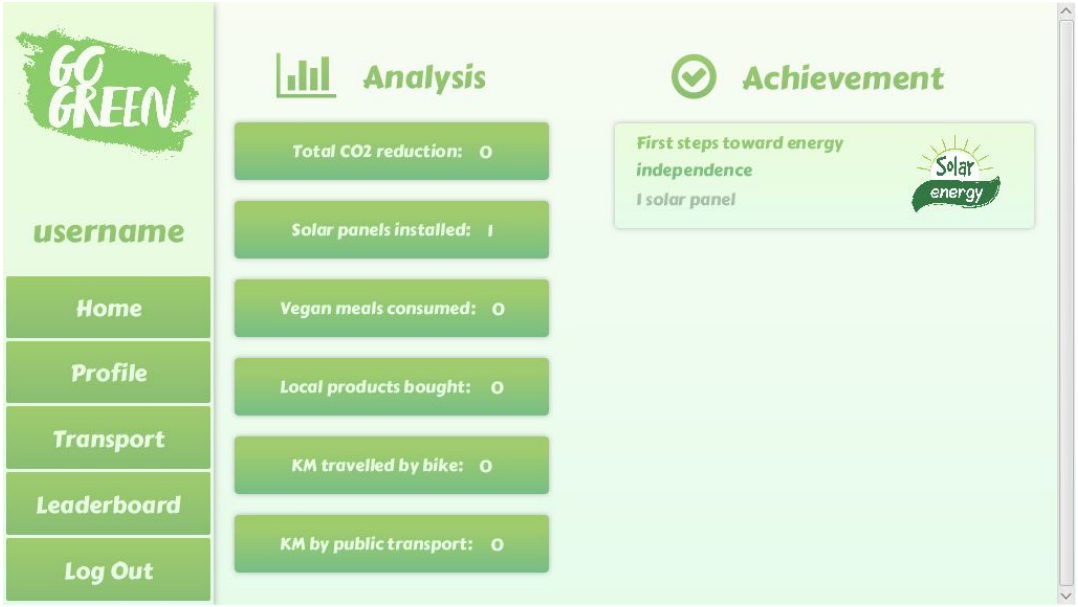
Main Screen/Agenda

- Performing different activities prevents certain amount of CO2 emission
- Scalable, we can easily add new type of activities*
- Transportation includes embedded google maps*
- Solar panel specifications*

***Bonus feature**

Profile

- Statistics*
- Achievements*



***Bonus feature**

Leaderboard

- Global leaderboard*

*Bonus feature

Libraries & Tools

Libraries:

- JFoenix Material Design
- Spring Boot
- JavaFX
- Hibernate

Tools:

- IntelliJ IDE
- Git/Gitlab
- JUnit
- Maven
- Java 11
- SceneBuilder
- Checkstyle
- Continuous Integration/Deployment

Table of Contents