Project Name: City\GreenRoute

Theme: Sustainable Transportation

Team Members:

1. Kelly - Programmer
2. Benedict - Designer
3. Jens - Data Analyst

Problem Statement: Cities are facing increasing traffic congestion and pollution due to inefficient transportation systems. There's a need for a solution that encourages sustainable transportation options and helps users plan eco-friendly routes.

Idea: GreenRoute is a mobile app that provides users with optimized routes for walking, cycling, and public transportation based on factors such as distance, time, and environmental impact. The app integrates real-time data on traffic, public transit schedules, and carbon emissions to suggest the most eco-friendly route options.

Features:

1. Route Optimization: Users input their destination, and GreenRoute suggests multiple route options, prioritizing eco-friendly modes of transportation.
2. Environmental Impact: The app calculates the carbon footprint of each route option, allowing users to make informed decisions about their travel choices.
3. Real-time Updates: GreenRoute provides real-time updates on traffic conditions, public transit delays, and bike-share availability to ensure accurate route planning.
4. Gamification: To encourage sustainable transportation habits, the app includes gamification features such as rewards for choosing eco-friendly routes and challenges to reduce carbon emissions.
5. Community Engagement: Users can share their routes, experiences, and eco-friendly tips with the GreenRoute community, fostering a sense of camaraderie and collective action.

Prototype: The team develops a prototype of the GreenRoute app with basic functionalities such as route planning, carbon footprint calculation, and real-time updates. They use APIs for mapping, transit data, and environmental impact calculations to integrate these features seamlessly.

Presentation: During the hackathon presentation, the team demonstrates the GreenRoute app's key features, showcasing its user interface, route optimization capabilities, and environmental impact calculations. They highlight the app's potential to reduce carbon emissions, alleviate traffic congestion, and promote sustainable transportation habits.

Outcome: GreenRoute receives positive feedback from judges and fellow participants for its innovative approach to addressing urban transportation challenges. Although the prototype is still in its early stages, the team plans to further develop the app post-hackathon, incorporating additional features and refining the user experience.

This example illustrates how a hackathon project addresses a specific problem statement, leverages technology and data, and offers a tangible solution with the potential for real-world impact.