2023 University of Miami Google Developer Student Club Hackathon

Project by Enzo Carvalho and team

The 2023 University of Miami Hackathon took place on April 15th, and had the theme of sustainability. The participating groups were tasked with coming up with something using technology that could help solve a current sustainability issue in the world. **This was a one day beginner level Hackathon, so all projects were completed within about 7 hours.**

Here are the visual representation and a website prototype of the general idea of how the app would work:

- **PlanetPath Website demo** → **Click to see code behind it**
- **PlanetPath App UX/UI**
- **PlanetPath Slides presentation**

I (Enzo Carvalho) and 3 other members of my team came up with the concept of a mobile application that would incentivize people to use more sustainable methods of transportation. We called our project **Planet Path.** The idea was that the app would have the geolocation of the device/user and the user would input their pick up and drop off locations (exactly like Uber). Then, the user would choose the method of transportation they want to use, consisting of using an app like Uber, car pooling, taking the bus or metro if the city has one, riding a bicycle or walking. Depending on how sustainable/Eco-friendly the method is, they would be given a certain amount of points, with the most sustainable method gaining the most (walking). These points could then be used later to claim rewards within the app, which would include things like a free Uber ride (we would have to partner with Uber to make this happen, but they would likely say yes because it would be generating a good amount of leads for them at no extra cost).

The whole idea would be to give people a reason to at least use individual transportation less often and in a way “earn” it by choosing more Eco-friendly options more often. This earned my group 2nd place in the Hackathon, which was nice. We plan on possibly improving upon this one day project and making it a reality! Thank you.

Team Members: Andrea Venti, Jay Hurst, Kevin Marroquin.