WhereTo?

A Mobile Platform to Intuitively Display Street Parking Availability in a Desired Area
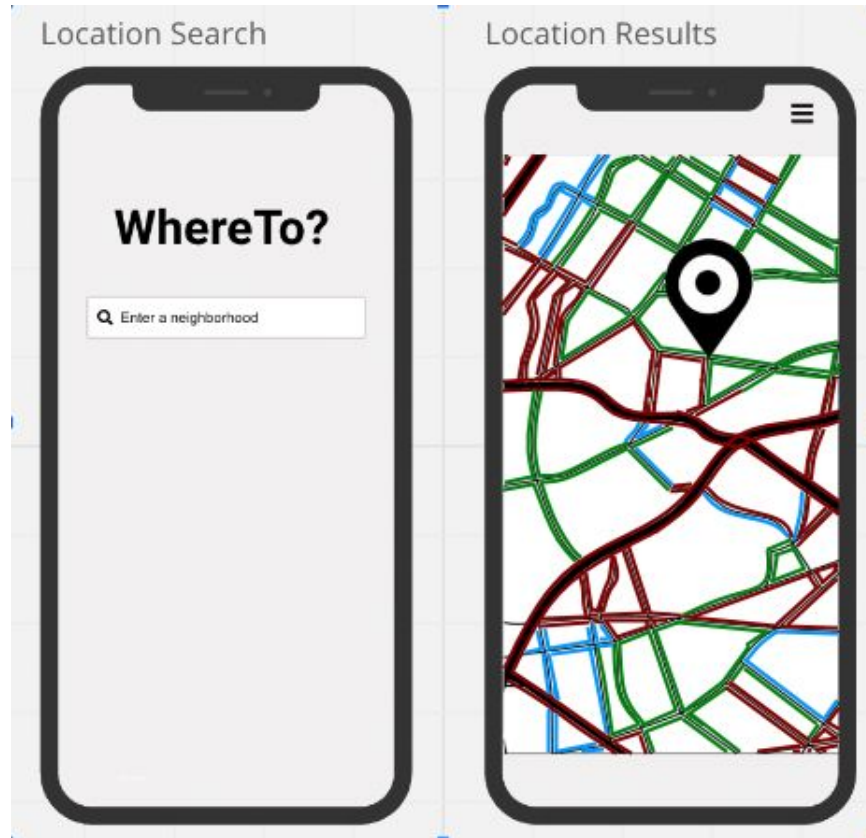
Value Proposition

For drivers who want to know parking availability

WhereTo is a mobile application that provides comprehensive parking information for a given area

Unlike traditional GPS applications, our product utilizes AI to provide a visual representation of parking information, beyond garages and lots

Visualization

Location Search

WhereTo?

🔍 Enter a neighborhood

Location Results

MVP

It has taken me 30 minutes to find a parking spot in the city, but with the WhereTo app, I was able to find one within minutes.

WhereTo

Project Description: "WhereTo is a mobile app designed to effortlessly guide drivers to where there are available parking spots, aiming to streamline urban mobility, decrease congestion, and deliver a convenient user experience."

Societal Impact: "WhereTo" alleviates urban parking woes by efficiently directing drivers to parking spots, reducing traffic congestion, emissions, and driver stress, while promoting economic activity in accessible areas.
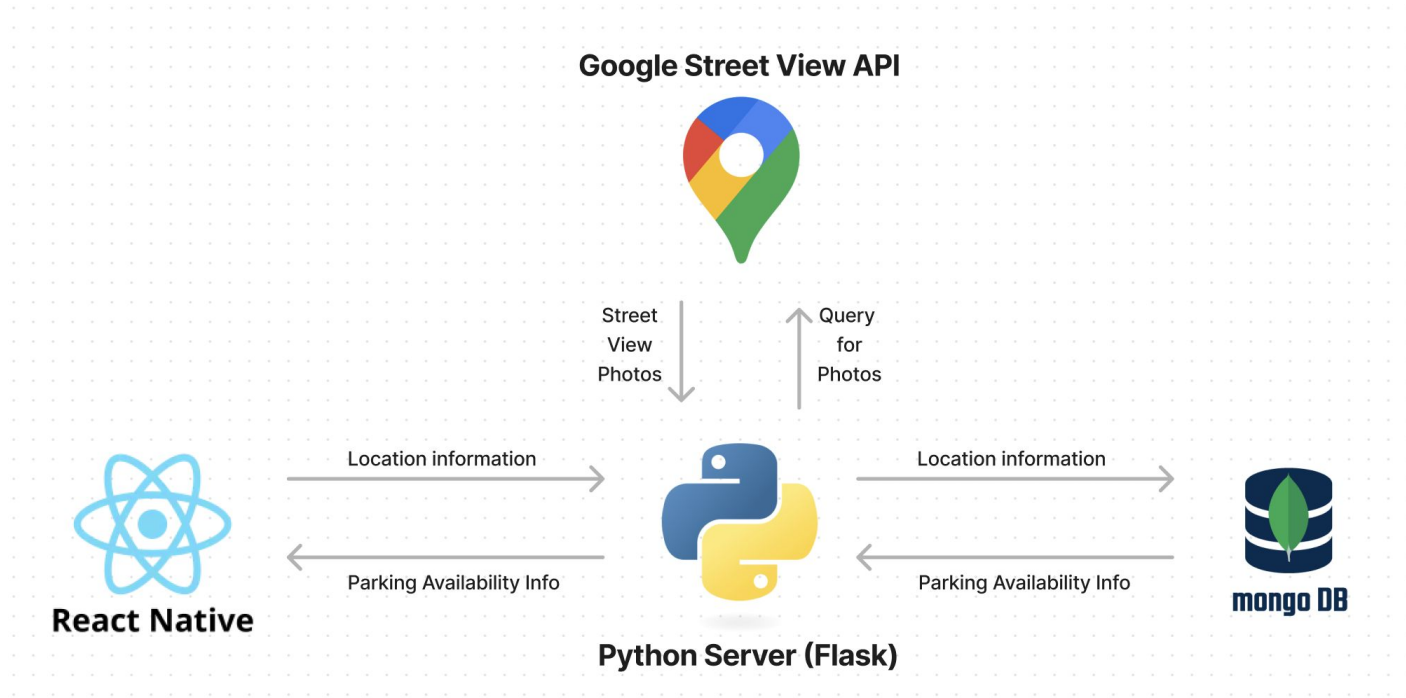
Special Sauce

- Ease of Use
- Streamlined Process
- Visual Mapping of Results

Technology Solution

- AI Object Detection Models
- Various Google APIs
- Most Up to Date Data

System Diagram

Google Street View API

Street View Photos

Query for Photos

Location information

Parking Availability Info

React Native

Location information

Parking Availability Info

Python Server (Flask)

mongo DB

System Design of your product

- Front End
  - React Native (iOS/Android)
- Back End
  - Python API (Flask)
    - Contains AI Object Detection Model + Handler Logic
  - Interaction with Google Cloud Services/APIs
- Databases
  - MongoDB (to cache AI model output)

Thank you