# Meet Halfway

CS 122 Project Proposal
Team: Lauren Dyson, Christine Chung, Paul Mack, Leith Mcindewar

## Goal

Meet Halfway helps Chicagoans find a place to meet safely and securely. Our web app makes it easy to find a place to meet a friend or stranger that's convenient for both of you.

Given two starting locations, preferred modes of transit, and a desired type of location (coffe shop, restaurant, park, etc.), Meet Halfway finds a meeting destination with roughly equal travel times for both parties. Meeters have the option revealing their location to the other person or not; this way a meeting location can be agreed upon while protecting privacy.

## Use Cases

- As a Craigslist seller, I want to arrange a meeting place with a potential buyer at a halfway point without revealing my location.
- As a U Chicago student, I want to meet my friend who lives on the north side at a coffee shop that's convenient for both of us.
- As an online dating service user, I want to find a bar where I can meet my date without revealing my location.

## Data Sources

Distance Finding/Transportation Options

- [Google Maps & Distance Matrix API](#)

Meeting Locations, Business Types, Hours

- [Google Places](#)
- [Yelp API](#)

## Milestones/Timeline

**January 24**
- Repo Created

**Jan 26**
- Proposal and Presentation
- Wireframes completed

**Week of February 8**

- Deliver prototype of distance identification: Given two addresses and modes of transit, we can identify a meeting point that's roughly equal travel times for both (Main owner: Christine)
- Progress Check-in 1

**Week of February 16**
- Deliver prototype of user interface: Working prototype of frontend that allows user to input two locations / parameters at once (Main owner: Leith)

**Week of February 22**
- Deliver prototype of location identification: Given a meeting point, identify K locations meeting user requirements within a radius (Main owner: Lauren)
- Progress Check-in 2

**Week of February 29**
- Deliver phase 2 prototype of user interface: Working prototype of frontend that allows users to separately enter their locations and view a result (Main owner: Paul)

**Week of March 7**
- Usability testing: Working complete prototype that we can test with users

**Week of March 10**
- Final Project Presentations

**March 15 at 5pm**
- Completed Software

## New Things We're Using
- Data & Algorithm
  - Middle Finding Algorithm
  - [Google Maps API](#)
  - [Google Places API](#)
  - [Yelp API](#)
- Backend and Database
  - [Django](#)
- Frontend
  - [Bootstrap](#)
  - Javascript
  - CSS/HTML

## Old Things We're Using
- Python
- Backend
  - [SQLite](#)