Open House Route Planner

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Abstract: Consectetur sit aliquip pariatur anim et proident nisi mollit labore exercitation sunt exercitation fugiat.

1 Introduction

1.1 Motivation

I have been looking for houses. When I add open houses to my Google Calendar, I am able to request direction to whatever house is open next in time, but I was thinking

Last year, I had been looking for a house and was trying to visit as many open houses as I could. I noticed that, unless I was looking at houses that were fairly close to eac other, I needed to put some thought into:

1. which house I was interested in,

2. where the houses were with respect to each other,

3. when the open houses were,

4. and try to determine the path I needed to take to visit as many open houses as possible.

So the question became, "What if two houses are significantly far apart, open at similar times, and there are other houses in each of their respective neighborhoods that open at different times? Is there a way I can plan my day of house hunting so that I can attend all of the open houses?"

The answer to this question is, "yes, within reason."

1.2 Objective

Provide a series of open houses and the application will find a route that will allow the user to visit the maximum number of open houses given the constraints of travel time between locations and when the open houses are open.

References