

# ClimaPARK

“find the **best parking** based on realtime *availability*,  
*destination* and *weather*; rain or shine”

# step1 UI: enter destination

destination: text field

1023 Walnut St, Boulder, CO 80302

submit: button

**SUBMIT**

initializes geocoding

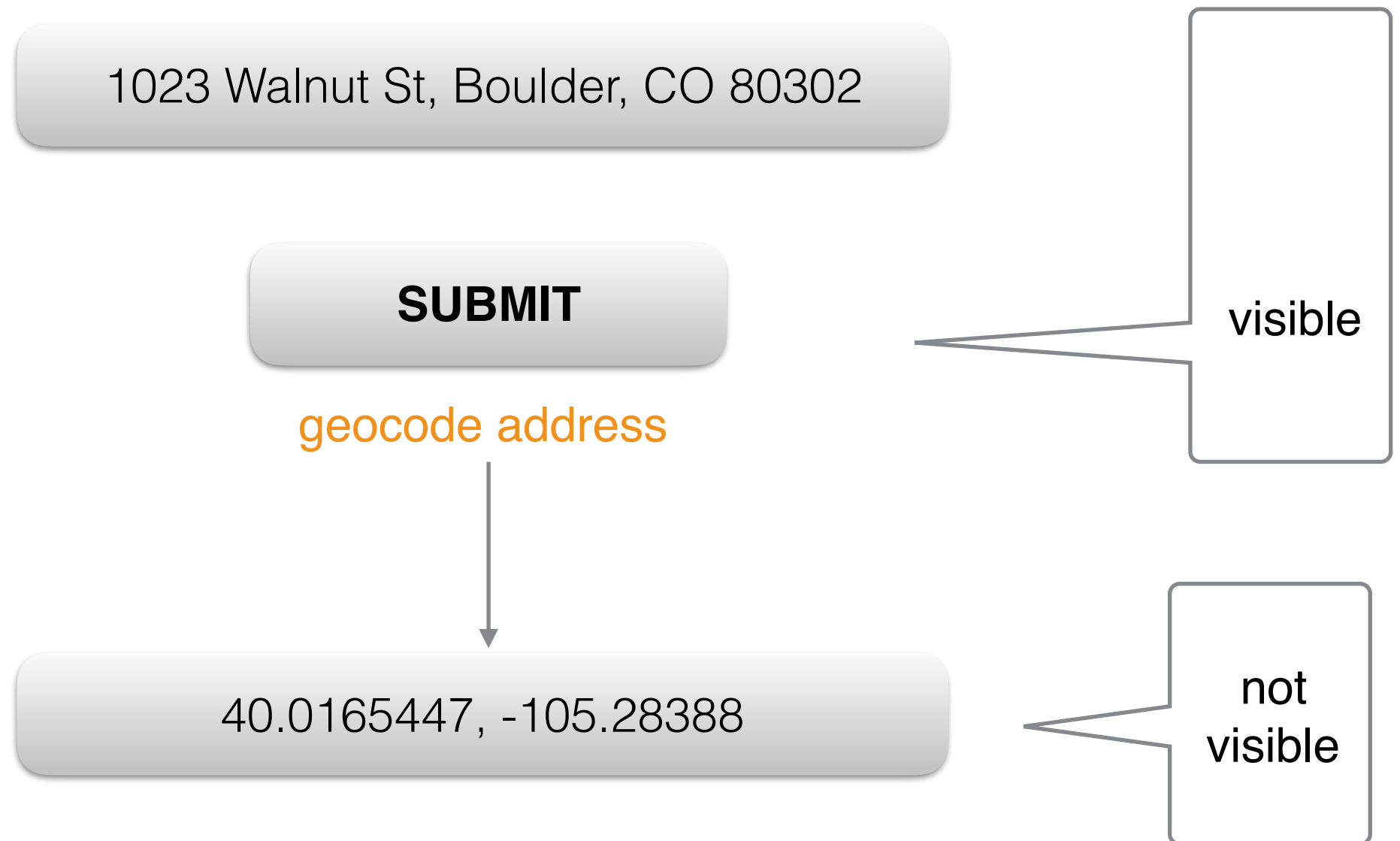
geocode address

visible

lat, long: for API call

40.0165447, -105.28388

not  
visible



# step2: behind the scenes

## API GET request(s)

**lat, long** is input into GET request for api.darksky.net

based on **current** weather conditions some **parameters** are set and *destination* **lat, long** are also set for GET request to parkwhiz/developers

**parkwhiz** API will return: best parking available near user-input destination; based on parameters set by current weather (returned by api.darksky.net), availability (i.e. 20/250) and price (\$)

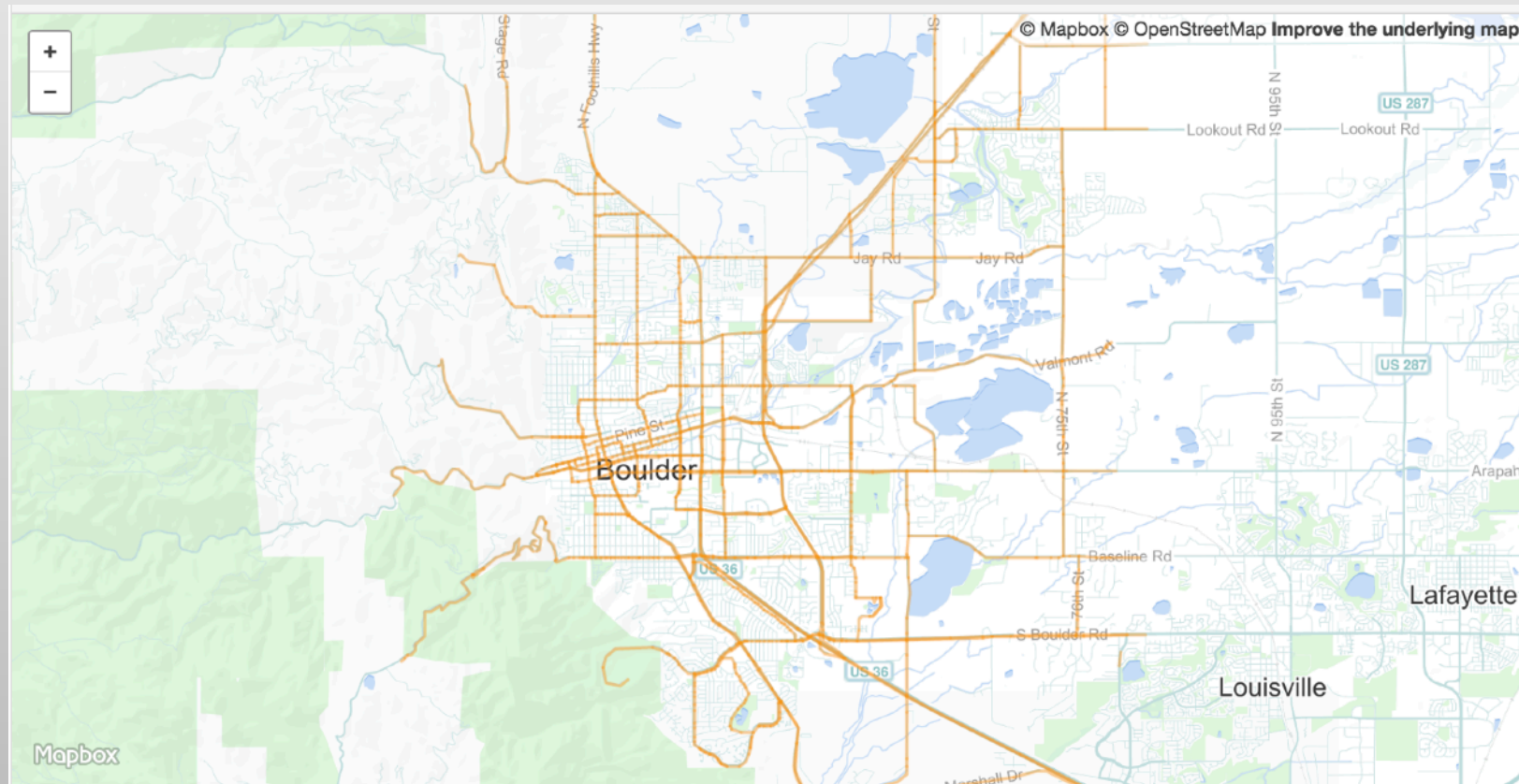
**Return visually represented as points on map**

# web page wireframe 0.1

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enter destination

**SUBMIT**

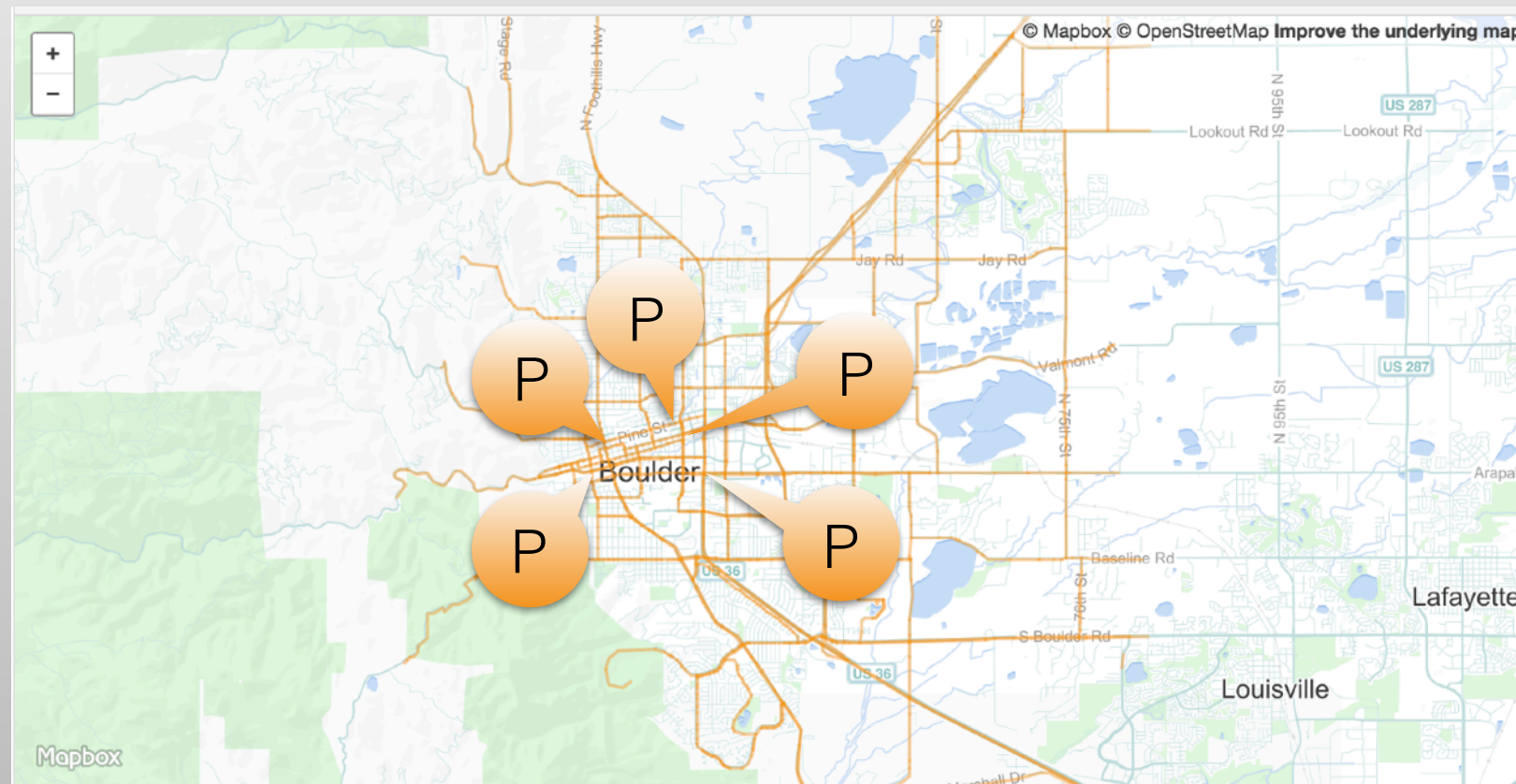


# web page wireframe 0.2

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1023 Walnut St, Boulder, CO 80302

...we found 5 “covered” parking garages ideal for “Snowy” weather near 1023 Walnut St, Boulder, CO 80302

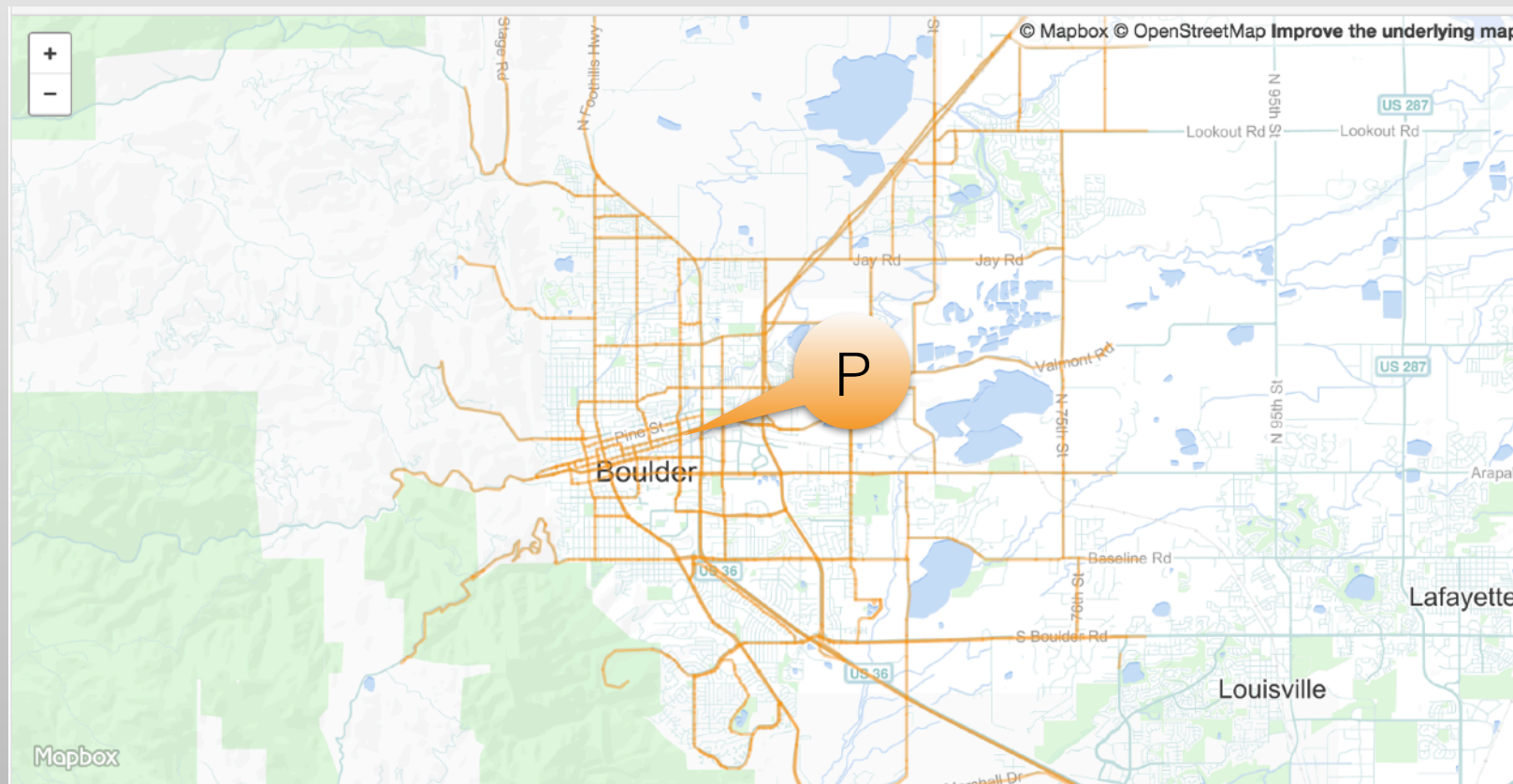


# web page wireframe 0.3: routing

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Directions to here!

Parking Garage on 2020 Canyon St





**routing:** use **MapBox** or **GoogleMapsApi**  
to provide *directions/routing* to selected  
parking garage

The screenshot displays the Google Maps interface for routing. On the left, the search bar shows the origin as "1610 Pine St, Boulder, CO 80302" and the destination as "10th and Walnut, 10th St & Walnut Street". Below the search bar, there are icons for different travel modes (car, bus, walking, bicycle, airplane) and a "Leave now" button. The "OPTIONS" button is also visible. The main panel shows three routing options:

- via Pine St and 9th St**: Fastest route, despite the usual traffic. 4 min, 0.8 mile. [DETAILS](#)
- via Pine St and Broadway**: The usual traffic. 6 min, 1.0 mile.
- 4:48 PM–5:00 PM**: 12 min. [205 / 205T](#)

The map on the right shows the route in blue and orange. The destination is marked with a red pin and a large orange "P" icon. The map includes labels for streets such as North St, Dewey Ave, Portland Pl, High St, Spruce St, Pearl St, Walnut St, and Canyon Dr. Landmarks like Hotel Boulderado, Boulder Theater, and Boulder Public Library are also visible. The map data is from 2017, and the scale bar indicates 500 ft.