SPRINT 4

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FINDING THE DONOR

```
const autocomplete = new
google.maps.places.Autocomplete(
                                    document.getElementById("autocomplete"),
                                    { types: ["geocode"],
                                      componentRestrictions: {'country': ['gb']},
                                      fields: ['place_id', 'geometry', 'formatted_address']
                                    }
                                    );
                                    autocomplete.addListener("place_changed",
                                    searchFromOrigin);
                                    }
```

NEAR BY LOCATION

```
function
getDistances(place)
{
                          let distanceMatrixService = new
                        google.maps.DistanceMatrixService();
                          const origins = [place];
                          return new Promise((resolve, reject) => {
                            const callback = (response, status) => {
                              if (status === google.maps.DistanceMatrixStatus.OK && response)
                        {
                                resolve(response);
                              } else {
                                reject(status);
                              }
                            };
                            distanceMatrixService.getDistanceMatrix(
                              {
                                origins,
                                destinations: stores.slice(0, 25).map((store) =>
                        store.location),
                                travelMode: google.maps.TravelMode.DRIVING,
                                unitSystem: google.maps.UnitSystem.IMPERIAL,
```

```
      },
      callback
    );
  });
}
function update(location) {
  if (!location) {
    return;
  }
  // ...
  // sort by spherical distance
  stores.sort((a, b) => {
    return (
      google.maps.geometry.spherical.computeDistanceBetween(
        new google.maps.LatLng(a.location),
        location
      ) -
      google.maps.geometry.spherical.computeDistanceBetween(
        new google.maps.LatLng(b.location),
        location
      )
    );
  });
  // display travel distance and time
  getDistances(location)
    .then((response) => {
      for (let i = 0; i < response.rows[0].elements.length; i++) {
        stores[i].address = response.destinationAddresses[i];
        stores[i].travelDistance =
response.rows[0].elements[i].distance.value;
        stores[i].travelDistanceText =
          response.rows[0].elements[i].distance.text;
        stores[i].travelDuration =
response.rows[0].elements[i].duration.value;
        stores[i].travelDurationText =
          response.rows[0].elements[i].duration.text;
      }
    })
    .finally(() => {
      renderCards(stores);
      autocompleteInput.disabled = false;
      isUpdateInProgress = false;
    });
}
```