

Notes for Store Locator Web Scraping

1. Collect Store Data

- Data Source: Gather information about local stores that sell plant seeds. This could be a database, an API (like Google Places API), or a manually curated list.
- Data Structure: Each store entry should include details like:
 - Store name
 - Address
 - Geographic coordinates (latitude and longitude)
 - Contact information

2. Geolocation of the User

- Get User Location: Use the device's geolocation features to determine the user's current location. This can be done with:
 - Web Apps: Use the Geolocation API in JavaScript.
 - Mobile Apps: Use location services available in Android (LocationManager) or iOS (CoreLocation).

3. Calculate Distance to Stores

- Distance Calculation: Calculate the distance between the user's location and each store. You can use the Haversine formula or a mapping service API (like Google Maps API) to get accurate distances.

4. Find the Nearest Store

- Sort by Distance: After calculating distances, sort the list of stores by their distance from the user.
- Select the Nearest: Take the first store in the sorted list as the nearest store.

5. Display the Store Information

- User Interface: Once you have the nearest store, display its information in your app:
 - Store name
 - Address
 - Contact details
 - Optionally, a button to navigate to the store using a maps app.

