Story: As a user, I want to be able to search items by location, so that I can save time and go the nearest possible location for a specific item.

Detailed work tasks to accomplish the story

1. Add a location variable to each item donated, so that information can travel with the item as it moves around. This includes a getter and setter method, as well as implementing it in the constructor for a donation object.
2. Allow user to input their own address to calculate distance from donation centers using a text field.
3. Implement a method that calculates distance.
4. Add a text field that displays the distance a center is from the user.
5. Add a text field that accepts user input and compares it to the database of donations and donation names at a certain center.
6. Implement a searching algorithm that checks if the input key in the search field matches any donation name.
7. Implement an ordering of which location is closest using Maps API and distance calculations, maybe latitude and longitude.

Acceptance Criteria

* Given the functionality works correctly, when a user searches for a specific item, the results should appear in a list order of closest to furthest.
* Given the person is a location employee, when they search for an item at their location, they should be able to track their specific inventory of a donation, and not of other locations.
* Given the user searches for a specific product, when there are several of those available, they are listed in the correct order.
* Given a manager is using the feature, when they search for an item, all items of that type from different locations should be listed in proximity order, so that they can track several locations simultaneously.
* Given a user wants to search for an item, when an item is not available at the specific location, the feature should list closest availability for the item instead.
* Given the user searches for a product, if the product does not exist even at nearby locations, display a message indicating the product is not available.
* Given the person is a location employee, when they receive a donation, they should be able to add the location they work at upon adding it to the system, so that the information is readily accessible to users.
* Given that I am a user, when I input my address or location, the app should calculate distances to different centers and return the closest ones.
* Given that someone is a location employee, when an item is transferred between locations, its location attribute should also change

Done Criteria

* The location of a product is editable only to location employees and managers.
* The location of a product is visible to all users.
* The distances calculated are correct and reliable.
* The team has tested that searching works, and matching items appear in order.
* The team has approved the UI design of the search function.
* The team has made sure that products that are unavailable or do not match search criteria do not appear in the results.
* The team has made sure that searching works for a variety of screen sizes.
* The team has made sure that the databases or inventory items are up to date constantly.