Updating our location data to store distance



```
NSDictionary *location

{
    "name": "Lake Lucerne",
    "lat": 28.534616,
    "lng": -81.378179
}

What we have now

}

What we have now
```

One solution

Adding a distance key to multiple dictionaries



We may have many dictionaries in self.mapLocations, so enumerate through each of them

This is a good start, but we're not checking the actual distance!

Calculating the distance depending on the location



```
get the lat/Ing of the current location in the loop into a CLLocation object
CLLocation *locationToTest = [[CLLocation alloc]
                      initWithLatitude:[location[@"lat"] doubleValue]
                             longitude:[location[@"lng"] doubleValue]];
       calculate the distance between the current location and the user location
double distance = [locationToTest distanceFromLocation:self.userLocation];
        add the distance key with the value from the double variable above
[mutableLocation setObject:[NSNumber numberWithDouble:distance]
                     forKey:@"distance"];
```