

# Celero Commerce Android Code Challenge

You work for a handyperson service. Each morning, the dispatcher will make a list of customers that the handyperson needs to visit, and upload it to the company's server. Your task is to make an Android app that downloads the daily list of customers for a single handyperson and show them all in a list. The handyperson should be able to tap on a particular entry in that list, and be presented with a view that displays all the given data for that customer (name, address, service reason, pictures, etc.)

You can find the list of customers at <https://hulet.tech/celerocustomers.json>

## Requirements:

- Handypeople often go to areas with poor cellular service, so the app should utilize Room or SQLite for local persistence
- Use Retrofit for api calls
- Use Kotlin or Java
- When the list of customers on the server changes, the app deletes any customers whose ID isn't in the list on the server anymore, updates any that still are, and adds those whose ID isn't stored locally yet
- The list must be sorted in the order that each customer should be visited
- Use any additional libraries

## Extra Credit:

- Write Unit and UI tests for your app
- Use an MMV architecture
- Use CoRoutines for asynchronous processes
- Update the list using a background service
- Use an intent to open Google Maps with directions from their current location to a customer's location.

## Useful resources:

- [Android App Architecture Guide](#)
- [Android Life Cycle Guide](#)