Android Development | Candidate Task

Thank you for applying for the Android Developer vacancy at Quandoo. In efforts to have a general understanding of your level of expertise, we would like to proceed with an assessment that will give you the chance to show Quandoo that you are a battle proven Engineer!

The task:
We need an application to make reservations in a restaurant.

Workflow:
The waiter opens the app, chooses a customer from a list, the app navigates him to a table choosing screen. The waiter chooses the table and the app highlights the chosen table. Every 15 minutes all reservations have to be removed even if the application is closed.

API description:
Each customer has First Name, Last Name and Id.
The tables are represented as one-dimensional array of booleans where "true" means that the table is available and "false" that it is not.

URL to customers list: https://s3-eu-west-1.amazonaws.com/quandoo-assessment/customer-list.json
URL to tables list: https://s3-eu-west-1.amazonaws.com/quandoo-assessment/table-map.json

Requirement:
1. Tables have to be represented as cells on grid
2. Available and unavailable tables have to be easily recognized
3. The app has to also work offline
4. Search option for customers would be a plus
5. Any unspecified details are left to your imagination

What we will review:
1. Unit and instrumentation test coverage
2. Architecture
3. Code style
4. Code extensibility
5. Performance

Good luck!

ONCE YOU ARE DONE, PLEASE SEND US A LINK TO A GITHUB REPO WITH YOUR WORK TO:
assessment.submittal@quandoo.com

Sincerely,
 Your Quandoo Team