



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 reservation in a restaurant.

Workflow:

The waiter open the app, choose a customer from the list, the app navigate him to the “table choosing screen”. The waiter choose the table and the app highlights the chosen table. Every 10 minutes all reservations have to be removed even if the application closed.

API description:

Each customer have First Name, Last Name and Id.

Tables represented as one dimensional array of booleans where true value means that the table is available and false that it's not.

URL to customer list: <https://s3-eu-west-1.amazonaws.com/quandoo-assessment/customer-list.json>

URL to bales 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 have to be able to work offline
4. It would be great to have search option for customers
5. Use MVC/MVP/MVVM
6. At least one unit test
7. At least one instrumentational test
8. Gradle

What we will review:

1. Project structure
2. Architecture
3. Code style
4. Code extensibility
5. performance

Good luck!

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

Sincerely,

Your Quandoo Team