Full stack Developer Code Challenge

Code challenge: Guidelines

Congratulations! You've impressed us so far, and we are looking forward to discussing your approach to our practical in more detail. We are looking to see your process and methodologies to solving problems, and hearing more about your ideas.

Technologies expected to be used:

- Java (Java 8 or Java 9).

- Spring and its modules like Spring Boot, Spring MVC, Spring Rest etc. (Spring 4 or later).

- RDBMS like MySQL.

- Maven or any other build tool of choice.

You can use third party libraries if they facilitate your development, you are welcome to use google for any help in your development.

Please present your work in **.java** files with compiled **.class** files and **output screenshots**. Send your work with reply to this mail or share drive link with us.

Please reach out with any questions. We look forward to seeing your work!

What are the skills we are looking for

- Coding conventions and standards.

- Manner in which technology has been used in the application and implemented.

- Application architecture and design.

- Coverage of the features.

- Optimal design patterns applied wherever applicable.

- Optimally designed database tables.

- Code comments wherever applicable.

- Optimized code.

- Test able source code.

We expect the test to be completed in 3 hours. You are welcome to use Eclipse, Spring Tool Suite or any other development tool suite of your choice.

Task : Complete code challenge

You are creating an application that will expose booking.com like REST API.

Features expected:

- Search hotels by city and date (to check availability), number of rooms required/number of travelers, search criteria might include number of stars that a hotel has, facilities like WIFI, restaurant available, air conditioning, meals included etc. Show sorted hotels based on the rating score, relevance or the cost of stay.

- Show rating (out of 10) for a hotel and user comments/reviews. There might be filters like gender, residential city of the traveler or if not just the overall rating.

- Service to add/update hotel information in the system.

- Service to add/update user information in the system.

- Service for a user to add reviews for a hotel. A review will include rating and comments.

- Delete information of a hotel, user or delete a review. You might have to think of the data associated with each hotel and user. All this information will be stored in an RDBMS like MySQL.

Client to these services may be or may not be a UI

Deliverables Expected:

- Compliable source code (Java + Database scripts) and a working application.

- Code build should be ready to be deployed on a server.

- Unit test cases.

- Please share source code in public Git or BitBucket.

- Readme file on how to use the application and its services.

- Readme with information on building and starting the application.

- Information on how to test the services.

Contact

OUR HEADQUARTERS

Plash Pte. Ltd.
7500A Beach Road
#08-308
The Plaza
Singapore (199591)

OUR INDIA OFFICE

Alore Growth OS
#23, Zillion biz center, 1st Main, ST
bed road, 4th Block
Koramangala, Bangalore -560034

https://crm.alore.io

vikas@alore.io