Congratulations!

"Your profile has been shortlisted to move forward for our next round of hiring process. Therefore, we request you to complete the below technical assignment for becoming a member at DataGrokr."

## Develop a React application.

Design a restaurant table booking application in React framework using HTML,CSS and Javascript.Problem

statement

The restaurant has 10 dining tables with 5 of them having seating capacity for 4 people each, and the remaining 5 tables will have a seating capacity of 2 people each.
Based on the booking request the table should be assigned automatically to the user.

Design a React application to book a table for dinner only and design the relavant Entities. The booking will be accepted only for the current day and online booking should work only till 8pm.
Once a table is booked, it is booked for the whole evening.

The below APIs should send data to a database and persist the information.

Rest API operations:
1. Book a table
    Parameters accepted
    - User name
    - Mobile number
    - No of ppl
    - Time of reservation
    Return http code
    - 200 for success
    - 500 for failure
2. Cancel a booking.
    Parameters
    accepted
    - User's mobile number
3. Update a reservation (Bonus API if time permits)
    a. Update number of people
    b. Update time of reservation.

Technology stack and pointers : -
 - Npm
 - React framework
 - HTML, CSS and Javascript
 - Axios for API calls
 - Jest and testing frameworks

Deliverables:
1. A React app which can be deployed and in running state
2. Unit tests for the React app
3. Come up with a modularized code and use relevant design patterns wherever required.

Bonus (if time permits)
 - Dockerize the application

**Instructions for submission:**

Your final submission is due to us by the EOD **May 23rd, 2022**.
Your final submission should be sent to fullstack@datagrokr.com. The subject of the email should be **"ReactJs Developer: First name Last name"**
Please attach your up-to-date resume, named Firstname_Lastname.pdf.
If you have any questions during the assignment, send your questions to fullstack@datagrokr.com. Please mention the subject line of the email as: **"ReactJs Developer: Need help"** in case of any queries.

Good luck and we hope you learn something new in this process.