






Build a react app for restaurant host

Task 1

Our host should see his floor with the following rules:

- 1 person table - 
- 2 person table - 
- 3 person table - 
- 4 person table - 
- 5+ person table 

1. The file floor.json list every table detail with the following schema for each item:

Table : int

Diners : max amount of people to occupy

Concat : list of int tables capable of join

2. Build web application UI floor from floor.json

notes : Please make sure to keep the design clean and simple, feel free to use templates or libraries you are familiar with.

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Task 2

Your goal is to implement 2 functions here:

1. ServeWaitingList
2. WriteServedOrders

1. ServeWaitingList (filename = 'orders.json')

orders.json is a list with the following schema for each item:

Mobile : string identifier like (053-xxx-xxxx)

Diners : number of diners to be seated

The seating should be done on free space, if there is no free space the guest should stay on waiting queue.

For every order served the UI should correspond with the following:

- 1.1 make the table clickable
- 1.2 turn table color to red
- 1.3 add start timestamp
- 1.4 on click our host want to see:
 - 1.4.1 mobile, diners, start timestamp
- 1.5 if 60 seconds passed since start timestamp, color should turn orange

2. WriteServedOrders (filename = 'completed_orders.json')

Every order should be completed if current time is more than 90 seconds since start timestamp. for each completed order (diners that got service) you should write the order detail into a file called completed_orders.json with the following schema:

Mobile : string identifier like (053-xxx-xxxx)

Diners : number of diners that got service

tables : list of int (table that the customer got service at)

start_time : timestamp when order start

end_time : timestamp when order completed