

Channels CRM Interview Questions

Question 1

- Using the language of your choice, make a simple parking application that can be used to query for available parking spots.
- The parking spaces can be represented with their parking number 1 to 100

Vehicles can be as below:

1. Car - 1 spot
2. Motorbike - 5 can fit in one spot
3. Bus - 3 slots
4. Trailer - 5 spots

The application should implement a rest API with the following endpoints:

1. All available parking spots
1. Returns all available parking spots
2. Next available spot, it takes a vehicle type argument
3. Returns the parking spot available with the lowest parking number
4. Park it takes a vehicle type argument, parkingLotstartNo
5. Parks a vehicle in the in the spot provided, if vehicles needs more than one spot, the spot provides should be the first spot.
6. In addition, such a vehicle can only be parked in contagious parking spaces
5. Unpack, takes a parking number and unpacks the car

All these should handle errors and all options that may arise

Question 2

- Develop a mobile Mechanizing application that can be used to track the stock items in a chain of supermarket.
- There are 10 different supermarkets and various items sold in each supermarket
- The application should automatically re-order items when they go below their re-order level.

The application should have a web rest API that has the below endpoints:

1. Sell item, takes item ID and supermarket ID, quantity
6. This simply reduces stock in the supermarket by quantity, or fails if items are not enough
2. Check Balance item ID and supermarket ID
7. Return balance of particular item in the supermarkets
3. Return item
8. Should return a sold item back into stock
4. The backed store can be assumed to have an infinite supply of items.

