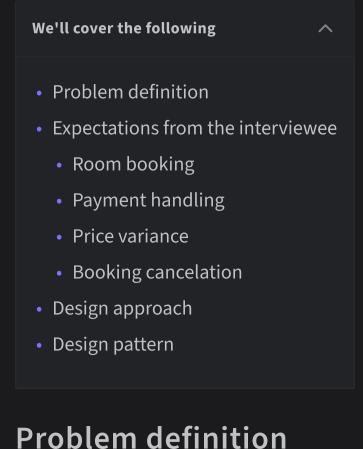
Getting Ready: The Hotel Management System

Understand the hotel management system problem and learn the questions to further simplify this problem.



The **hotel management system** is a software used to manage all hotel activities

efficiently and smoothly. Almost all popular hotels have an online management system to digitize the process of booking rooms, managing staff, and performing other necessary hotel management features. Through this system, the notification and payment process is made flexible and automated. In the hotel, there is usually a fixed number of rooms, and the booking system has information about all rooms present and their availability.

For the hotel manager, controlling all the hotel activities manually is a difficult task.

rooms, customers, and workers through a single portal. The manager can also post available rooms to the system and generate bills. The system also allows customers to search for and book a room of their choice and cost range. The system provides complete information about rooms to the customers so they can view the available rooms and book them online. The guest is charged on the basis of the time duration

With the help of an online hotel management system, the manager can keep track of

the hotel room is booked. In this way, the system facilitates both customers and the manager of the hotel.

BOOKING



specific constraints and requirements placed on them. The following provides an overview of some of the main things that the interviewer will want to hear you discuss

in more detail during the interview.

Room booking

Booking a room is an essential part of the hotel management system. The system has

to ensure that no two people can book the same room. The interviewer expects you to

ask questions to identify how the system will work in such situations:

Price variance

questions listed below:

room in the hotel?

Booking cancelation

ask the questions provided below:

Design approach

Design pattern

your choice(s).

 \leftarrow Back

Code for the Chess Game

What type of users are allowed to book a room in the hotel?Can users book a room in advance?

How will the system ensure that multiple users do not book the same room?

Payment handling

One of the hotel management system's most significant attributes is its payment

structure to its customers. This can vary, so the interviewer would expect you to ask the questions listed below:

time(JIT) payment system available?

What payment methods can the customer use (for example, credit card or cash)?
How is the payment performed? Does the customer pay online or through a receptionist at the hotel?

Will the customer be able to pay in advance for a room booking, or is a just-in-

- We touched upon the payment methods of the hotel management system. Now, the pricing model needs to be clarified by the interviewer. Therefore, you may ask the
 - How does the location and size of the room affect its price?
 How does the booking duration affect the payment?

There will be many duplicate instances in our system. The interviewer expects you to

How will the booking price be calculated? Or which factors affect the price of a

Can the user cancel a room booking?Which type of users are allowed to request a room booking cancelation?

We'll design this hotel management system using the bottom-up design approach. For this purpose, we will follow the steps below:

hotel that can be composed of multiple rooms.
Repeat the steps above until we design the whole hotel management system.

Use these small components to design bigger components, such as building a

Identify and design the smallest components first, such as a room.

During an interview, it is always a good practice to discuss the design patterns that the hotel management system falls under. Stating the design patterns gives the

questions like, "Define design patterns."

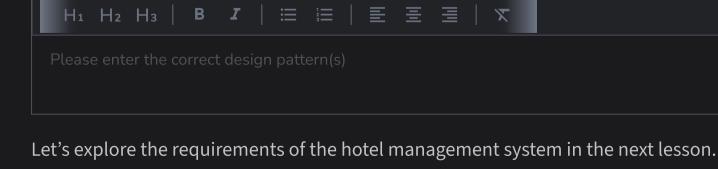
advanced concepts of object-oriented design.

Try to answer the following question. If you are not familiar with

design patterns, don't worry! You can learn about them by asking

Which design pattern(s) should be used to design a hotel management system? Please elaborate on

interviewer a positive impression and shows that the interviewee is well-versed in the



Requirements for the Hotel Management ...

Complete

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