

Last updated: 06/13/24 - Confidential, do not share



# Housing Cloud

## Question 1:

Design a database schema that can handle the operations of a room reservation system for a global hotel chain. Ensure the schema is scalable, maintainable, and supports necessary business operations.

## Question 2:

Using the provided CSV files. Please create a CSV file that contains the following headers:

Column Name	Data Type	Notes
personId	String UUID (unique)	
name	String	Full name
email	String (unique)	
dob	Date string	
address1	String (optional)	An address should only be saved if it can form a full address string
address2	String (optional)	
city	String (optional)	
state	String (optional)	
zip	String (optional)	
majorIds	Comma separated string	
bedId	String	

Please include a description of any data cleaning policies that you applied.

If there are any rows that could not be included in the final sheet, please include them and indicate why/how it was not possible to include them.

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You will have 7 days to complete the project and once complete, please submit your project by sharing a Github link to your repo. Housing.Cloud will review the submission, and if the work is sufficient, we will then schedule the follow up discussion with two Housing.Cloud personnel. Best of luck and please email us if you have any questions.