**1/- Suppose we put all the functions inside the same service. Is this the recommended approach ? Please explain.**

No. It’s best to adhere to the single responsibility principle. A good design separates:

* RoomService for rooms,
* UserService for users,
* BookingService for bookings.

This improves readability, maintainability, unit testing, and modularity.

**2/- In this design, we chose to have a function setRoom(..) that should not impact the previous bookings. What is another way ? What is your recommendation ? Please explain and justify.**

It’s because of maintaining historical immutability of records of previous bookings.

**Alternative:** Allow changes but store the state of rooms at booking time (versioning or snapshots).

**Recommendation:** This approach is fine for data consistency maintenance. But if an update is required, preservation of history is mandatory.