

C# developer  
home assignment

# booking system



# Hey there!



Congrats on passing the HR round! 🎉

The next step in our hiring process is a home assignment, which will help us to discover your professional skills in more detail.

On the following slides, you will find the guideline, requirements, and user stories to implement a simple accommodation booking system.

Please read the instructions carefully! Try to answer all the questions for yourself, unfortunately, this time we can not help with more instructions.

We believe in you, good luck! 🚀



# guideline

**You have 3 hours to fulfil this task.**

Please write to us an email when you start and send it back within 3 hours. **When you are finished please upload your solution to a private GitLab repository and share your link with us!**

You have to implement a simple accommodation booking system but only for Budapest properties, so you should not take into account other cities.

There might be several properties available for reservation in Budapest. **A user can only reserve a property which is available within a selected time range. The smallest bookable period is one day.**

**When in doubt, go for the simplest solution.**

No interactive behaviour is required (e.g.: UI menu or console interpreter). Implement only the business logic behind the user stories and feel free to use static data if needed.

**You should use plain C# for your solution, creating HTTP endpoints or any other interface is not necessary. Do your best to write quality code!**



# requirements and user stories

## Requirements/user stories:

**List available rooms:** The user has to be able to list rooms based on price and date/time period)

**Booking and cancellation:** The user has to be able to book a free room and cancel an existing reservation.

**Booking history (date, period of time, price):** The user has to be able to get his booking history with the info about his recent bookings with some attributes such as date, period of time and price.

**Booking history printing:** The user has to be able to print his booking history (to the Console).

**Booking history filters (date, period of time, price):** The user has to be able to filter his bookings by the date of the booking and by the price of the booking.

# about the Gitlab repo



- please create a **private repo** for your task
- after you finish your task please give “Reporter” permission to these accounts, then send back the **private GitLab repository** link to your contact person (recruiter)!

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