

# OBJECT ORIENTED PROGRAMMING

## QUIZ #3

2.5 points in total

### Rules:

- Find your package and explore it as your files and folders are only inside this package. Nothing is given outside this package. If the assignment states that “Find the file *somefile*”, it means that the file should be found inside your package. Do not change the provided files and folders if this is not required in the assignments itself.
- Answers should be submitted as GitHub repository link via email. Create a new public repository for the quiz. The repository should be alive until the quiz will be evaluated.
- You have 1 hour for the quiz. Late answers will not be evaluated. Please note that file upload dates will be checked in your repository, all files should be uploaded during the quiz.
- You are allowed to view materials in Google Classroom, use Search Engines such as Google, Bing, etc. and ask AI tools such as ChatGPT, Bard, etc.
- You are not allowed to have any type of communication (Mobile, Email, Social Network, etc.) with other humans during the quiz.
- The quiz will not be evaluated in case of cheating.

### Assignment

Create Hotel Management System (HMS). You will need the following classes:

- Room,
- HotelManager
- Person

The Person class is already provided in your files. Implement check-in and checkout methods. (0.5 points)

The information about the hotel guests should be stored in the `Map<String, Room>` where the key is the id of the person. The HMS should have the method `displayInfo()` for printing the information about all guests and their rooms from the above-mentioned Map. (1 points)

Create the person with your name and surname and check-in in the hotel in the same room with one of the persons from the list which is returned from the `getPersons()` method of the `PersonManager` class. Print the hotel guests and room information using `displayInfo()`. (1 points)