VIDEO PRESENTATION

1. INTRO

* Project name
* Team members
* “I’ll walk you through our database design, functionality, and interface.”

1. Mention the software technologies that you have used for the creation of your project.

* PostgreSQL as the DBMS
* Java + Spring Boot for backend
* HTML/CSS + JavaScript for frontend
* Maven as the build tool
* Git + GitHub for version control
* VS Code as the IDE

1. Show briefly the relational database schema you have implemented and comment on any differences of this schema and the one you have submitted as part of Deliverable 1.

* Show your ER-to-relational schema (or the actual tables in pgAdmin or SQL file)
* Mention main tables: HotelChain, Hotel, Room, Customer, Employee, Booking, Renting
* Show sample schema relationships or foreign keys
* Mention any differences from Deliverable 1

1. Comment briefly on the major integrity constraints that you have implemented. Justify their choices and show the respective SQL code.
2. Show and describe briefly the data with which you have populated your database. For example, mention how you created the data and what is the size in number of rows per major relation.
3. Show the execution of some SQL queries on your database.
4. Show the execution of some modifications on your database which fire a trigger. Show the SQL code of the trigger and explain how it implements a specific user-defined constraint.
5. Show the SQL code and comment on the indexes you have implemented on your database.
6. Show the SQL code and comment on the views you have implemented on your database.
7. Show the User Interface you have implemented. Show briefly some of the functionalities of the interface: e.g. you can show the insertion/deletion/update of data, you can show the customer and the employee view and explain how they differ. Furthermore, show how a new booking or renting is made, and show how a booking is transformed to a renting when the customer checks in.

General implemented features of the app

The customer can login using their full name, they can search and filter rooms. They can also book a room and view their booking as well as log out.

The employee can check in customers. Can handle when booking becomes renting. The employee also handles direct renting so the walk-in customers and as well as logout.

The app allows to view the available rooms per areas as well as the aggregated room capacity per hotel.

The app also has a dashboard in order to facilitate the navigation between pages