Assignment 3

Hotel Management System

Deadline: Monday 20:00

📃 Instructor's Message:

Dear students,
You should work on the following diagrams for your project in the forthcoming week:

- ERD for the whole system

- Class diagram for the whole system

- State diagrams
  Base your diagrams on the use cases tables that you have specified.
  Regards,

🧱 1. ERD Team – Entity Relationship Diagram

- ◆ **Team Leader:** Endri Baku

👥 **Team Members:**

- Endri Baku *(Leader)*

- Hazis Voda

- Sidrit Isufi

- Daron Delvina

📌 **Responsibilities:**

- Identify all system entities: Guest, Room, Booking, Payment, Staff, etc.

- Define attributes and keys (primary/foreign).

- Map relationships: 1:1, 1:N, M:N.

- Normalize data and ensure consistency.

📦 2. Class Diagram Team – System Class Design

◆ **Team Leader:** Sidrit Zela

👥 **Team Members:**

- Sidrit Zela *(Leader)*

- Jurgen Hila

- Orgest Bacova

- Xhois Cano

📌 **Responsibilities:**

- Design system classes from use cases and modules.

- Include class names, attributes, methods.

- Show relationships (inheritance, aggregation, composition).

- Reflect real-world structure of the system.

🔁 3. State Diagrams – Individual Assignments

👥 **All 8 team members contribute individually to state diagrams.**

Each member will:

- Work on **state diagrams** based on the features and **use cases tables they have done.**

- Follow transitions between system states triggered by user/system events.

- Ensure clarity and consistency in naming, states, and transitions.

✅ Summary Table

Diagram Type	Assigned To	Leader
ERD	Endri Baku, Hazis Voda, Sidrit Isufi, Daron Delvina	Endri Baku

| Class Diagram | Sidrit Zela, Jurgen Hila, Orgest Bacova, Xhois Cano | Sidrit Zela |
| State Diagrams | All 8 members | Self-managed |