

Team E Analysis Report

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Analysis of LRH

- The first paragraph of the business description stated that the hotel needs support in keeping track of rooms, facilities, reservations, guests, usage of allied services and billings. It also mentioned how the support would help enable them to make more efficient use of their staff. Based on these features and their respective descriptions, it can be seen that the services and billings are closely related, as all services must be charged and included in the guest's total bill. There are also many interactions between the guests and staff members, as the staff always knows when a guest uses their card to access a room, and the staff is also responsible for keeping track of the guest's telephone. Rooms and facilities are also closely related to each other, as the hotel facilities are located within rooms or specific areas of the hotel; therefore, after the grouping of these features, the ERD model was created based on rooms, reservations, guests, staff and billings.

Assumptions

- 1 or multiple hosts will create their own billing party to pay for their event.
- The contact for a billing party is one guest's phone number decided upon by all other guests in the party
- If an organization is a host, they need to register a person (or multiple people) to act as the host(s) so that their name(s) can be traced back to.
- The surcharge fee for late/early extensions is a flat fee
- Meeting room rates have a single base rate structure
- The base rate for the rooms is fixed per room
- No cards have the same PIN

Info Omitted

- Discounts and noneating usage for meeting rooms are not considered

Task allocation

- For the making of the ERD model, each member of the group was first assigned to individually create tables for a particular feature of the hotel management system. Each feature assumes the grouping of multiple features that was mentioned previously. Madhura was assigned to create tables in relation to the hotel rooms, Jason worked on creating tables for billings, Anji was responsible for creating tables for reservations and Graciella created tables in relation to the hotel guests and staff. After completing our work individually, we combined the tables that were made individually in order to create the full ERD model as a group.