

SWINBURNE UNIVERSITY OF TECHNOLOGY

FUNDAMENTALS OF DATA MANAGEMENT (2020 S2)

DOUBTFIRE SUBMISSION

D & HD project

Submitted By:

Cuong NGUYEN

102840305

2020/10/06 20:45

Tutor:

Gamunu DASSANAYAKE

October 6, 2020



Distinction project of Data Management.

1. Short description of the database.

The database is about data needed for a fiction hotel (in this case, Dumas Hotel). To implement all of that, the hotel needs to store data about the rooms, occupancies, customers, employees, bills and feedbacks.

Each room has its own number, room type, bed type and status. All occupancies involve occupancy number, employee ID, account number and number of days occupied.

All customers have their own account number, first name, last name, phone number, email and emergency phone number. All employees have their own employee ID, first name, last name, title in hotel and phone number.

Bills have receipt number, employee ID, account number of customers, days occupied and total amount of money.

All feedbacks have feedback number, occupancy number, customers' opinion and notes (it could or could not have that).

2. Entities of the database:

This database involving following entities: RoomType, BedType, RoomStatus, Room, Occupancies, Customers, Employees, Bills, Feedbacks.

3. Cardinalities on the database:

This is represented in this UML diagram. Notice here that attributes are not added yet and they would be added when database is developed.

