

## TDT4145 - Exercise 1

### Task1

a)

- Data is a piece of information. Could be anything.
- A database is a collection of data and their relationships.
- A database system is the program for handling the queries and statements against the database together with the database itself.

b)

A database is used for handling related data, while a filesystem is used for more unstructured data.

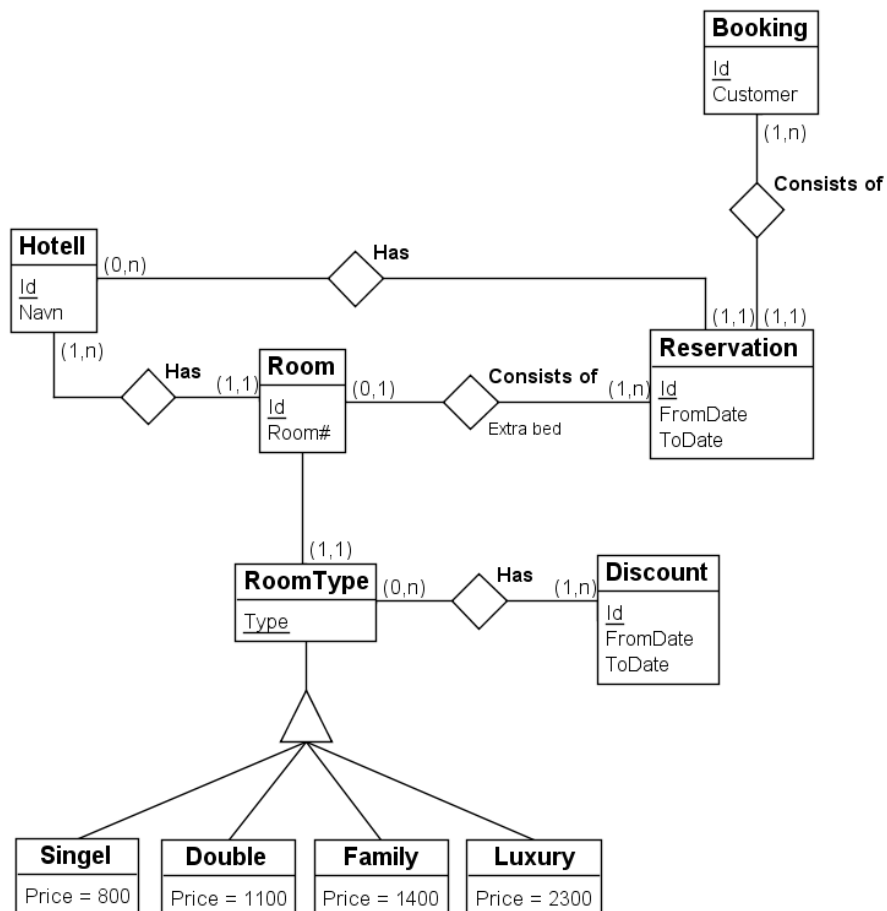
c)

A database provides many advantages, some of them are:

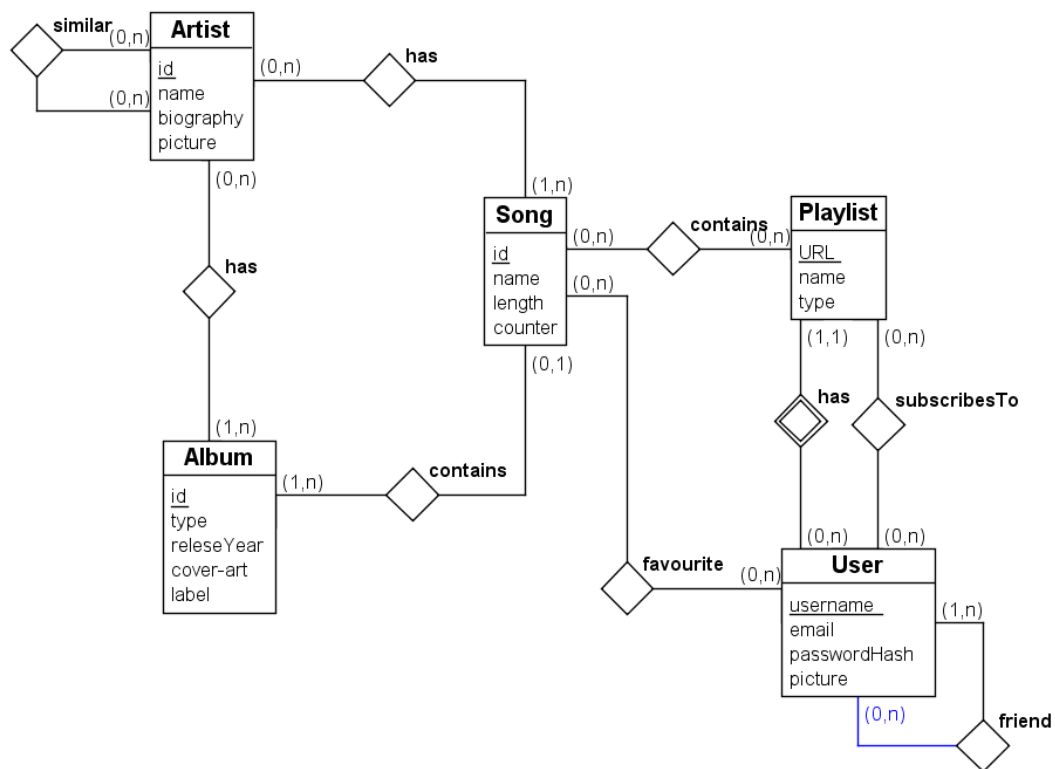
- ensures integrity and quality of data
- fast indexing based on queries
- relational view of data
- sharing of data
- access control
- etc.

### Task2

a+b)



### Task3



### Task4

