

# **Deadline - 2**

Design of Conceptual Model of PetPals and  
converting it to Relational Model

**29<sup>th</sup> January, 2024**

(2022085)      (2022303)      ( 2022513)      ( 2022131)

# Entity-Relationship Model

An ER model, or Entity-Relationship model, is a conceptual representation used in database design to describe the structure of a database. It provides a high-level abstraction that allows us to visualise and understand the relationships between different entities within a system.

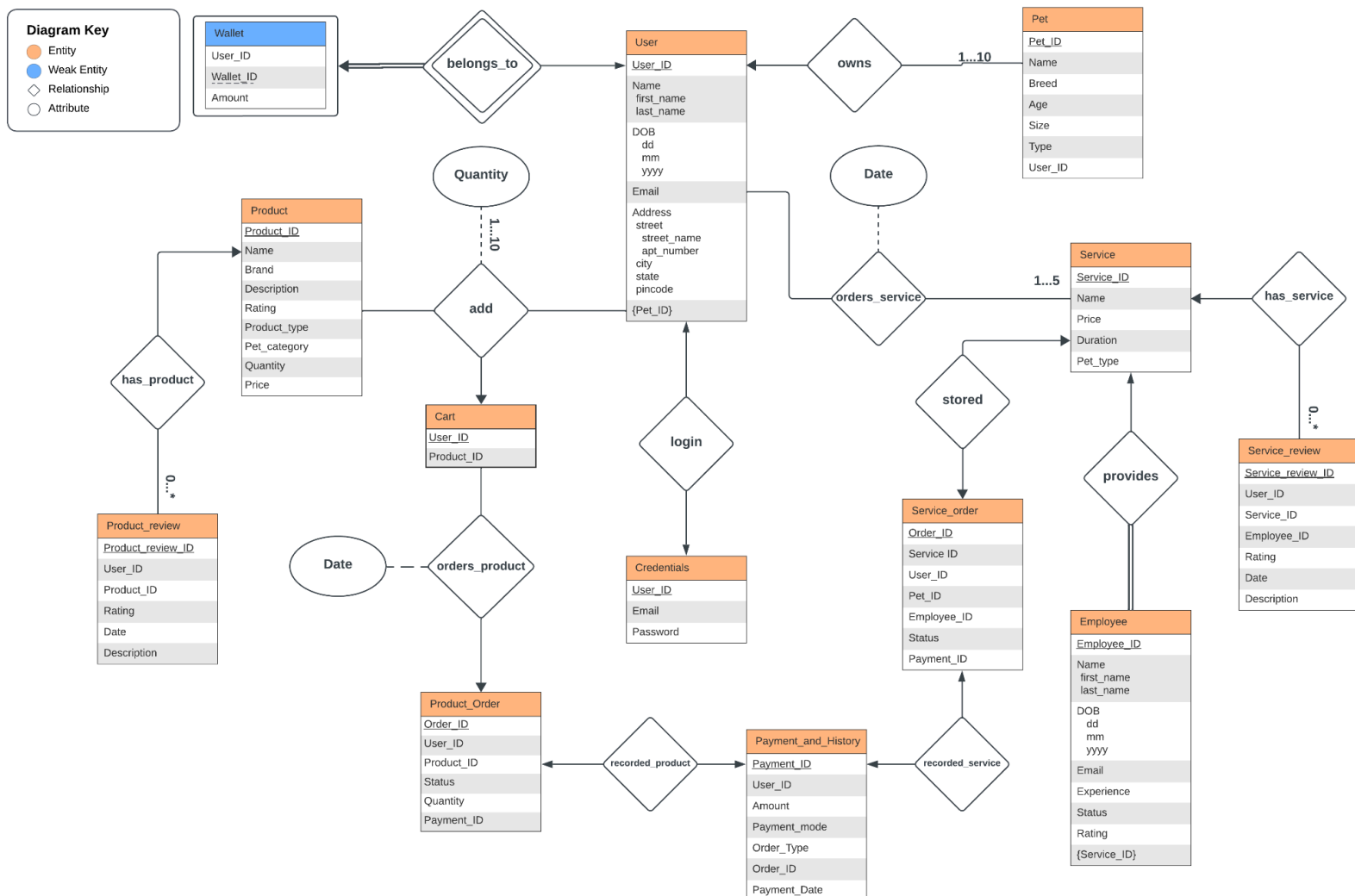
Our ER model shows the entities and relationships between them that we plan to use in our PetPals project.

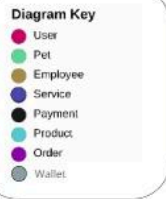
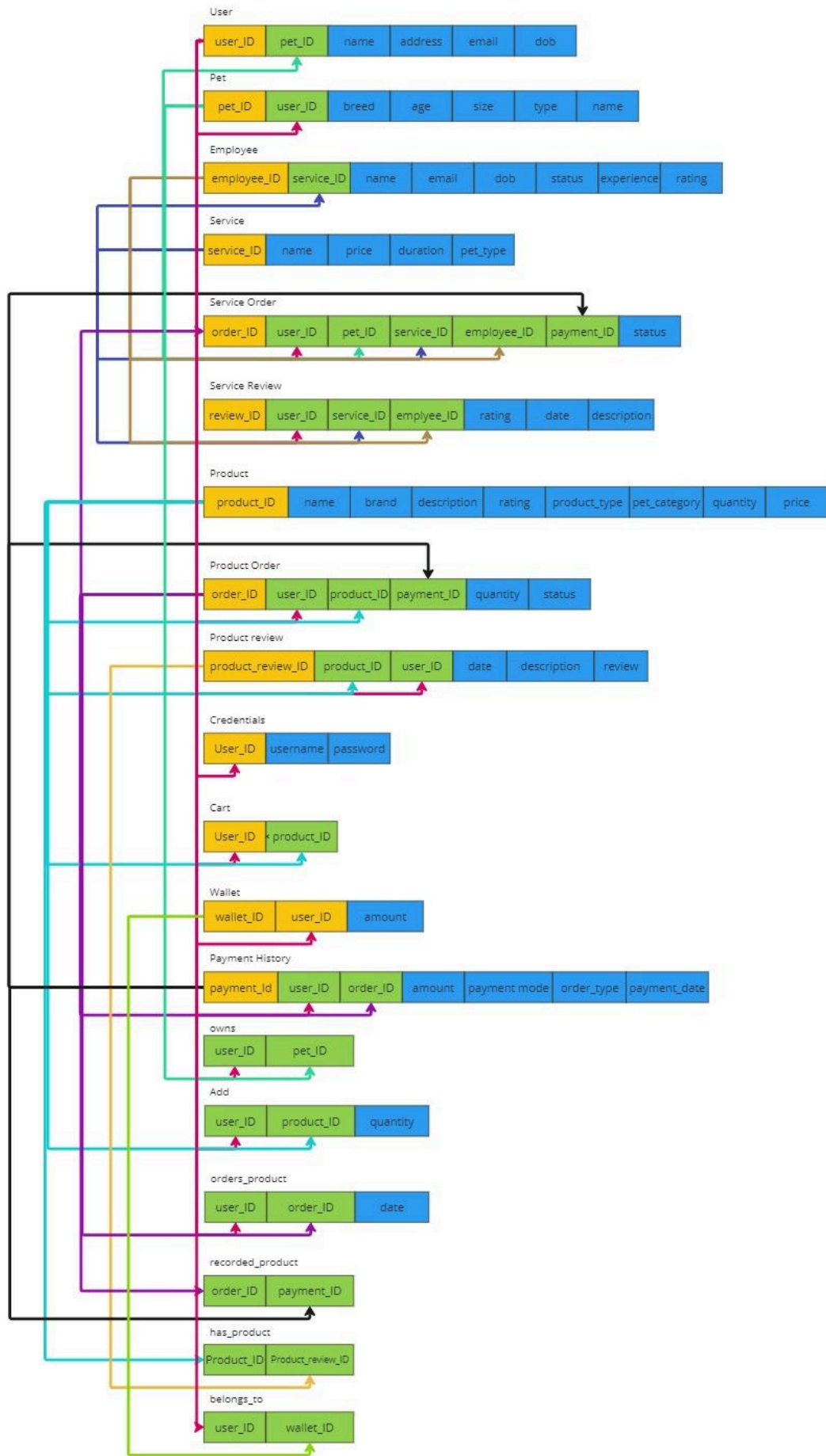
## Relational Model

The relational model is a database model that represents data as tables or relations. In the relational model, data is organised into tables consisting of rows and columns, and relationships between tables are established based on common attributes.

The Relational model of PetPals converted from the ER model is shown below:-

## ER Model of PetPals





## Links :

ER Model :

[https://lucid.app/lucidchart/fbdf20be-f1ff-40ad-ac8f-018947163e9a/edit?viewport\\_loc=-2604%2C856%2C4341%2C2374%2C0\\_0&invitationId=inv\\_72b2fbaa-8230-463c-baa7-d8218085bd50](https://lucid.app/lucidchart/fbdf20be-f1ff-40ad-ac8f-018947163e9a/edit?viewport_loc=-2604%2C856%2C4341%2C2374%2C0_0&invitationId=inv_72b2fbaa-8230-463c-baa7-d8218085bd50)

Relational Model:

[https://miro.com/welcomeonboard/Q2pRQUhWM0tQbHFhbTZvTnpRczExNEo5WIFUMmxTS\\_Hd2cjExdFVnc3FQVTRKWjlyandVSm5nTVZEMUg5Z3lOY3wzNDU4NzY0NTQwMTE3NjcwMDE2fDI=?share\\_link\\_id=318329621484](https://miro.com/welcomeonboard/Q2pRQUhWM0tQbHFhbTZvTnpRczExNEo5WIFUMmxTS_Hd2cjExdFVnc3FQVTRKWjlyandVSm5nTVZEMUg5Z3lOY3wzNDU4NzY0NTQwMTE3NjcwMDE2fDI=?share_link_id=318329621484)

## Contributions:

**Anushka Korlapati:** Ideation, Designing, E-R Model, Relational Model.

**Mridul Goel:** Ideation, Designing, E-R Model, Relational Model.

**Sujal Soni:** Ideation, Designing, E-R Model, Relational Model.

**Abhinav Bagadi:** Ideation, Designing, E-R Model, Relational Model.