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Akshat Goyal (2018101075)
Tanish Lad (2018114005)
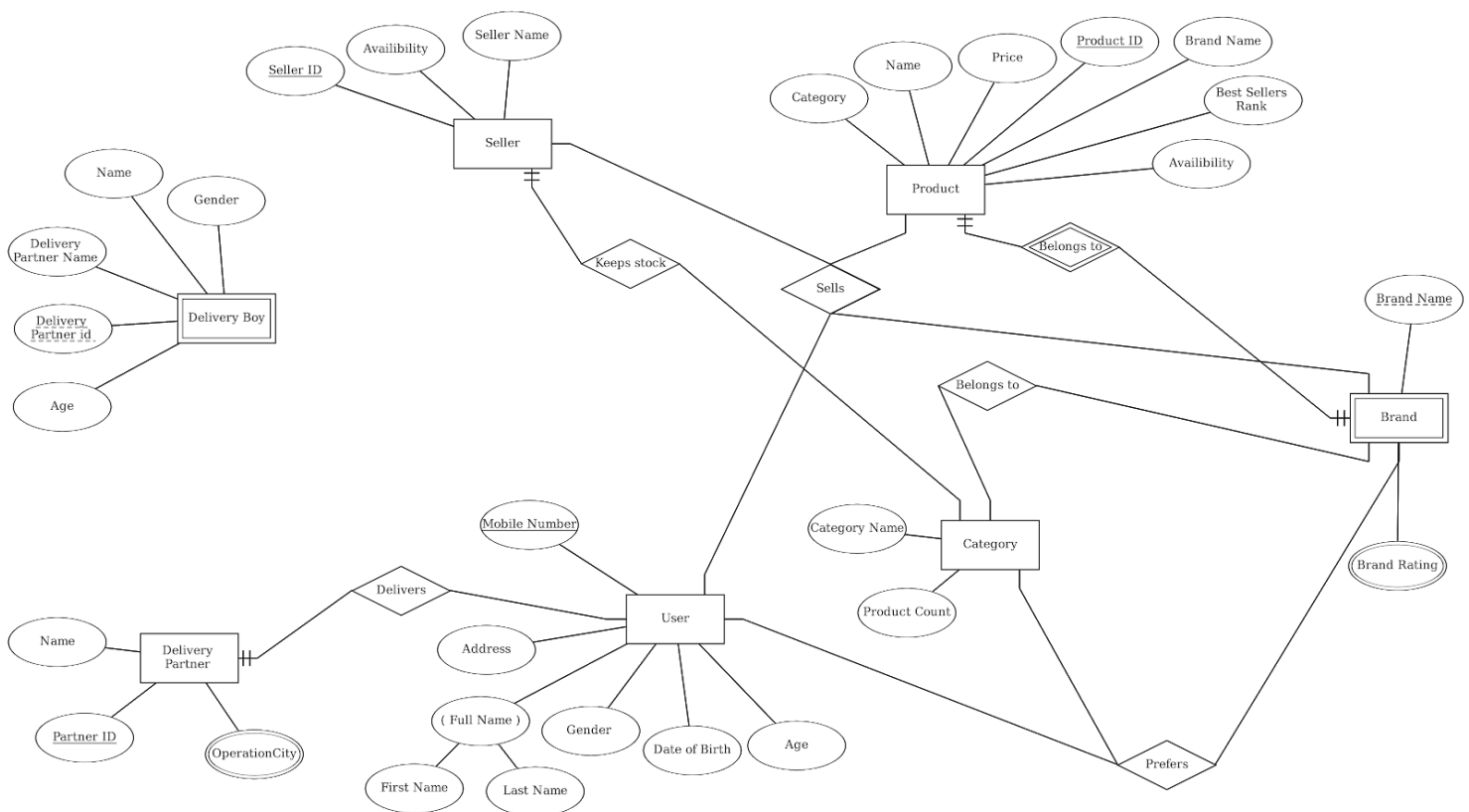Manish (2018101073)

Online Shopping Mobile App

Data and Applications

Project Phase -2
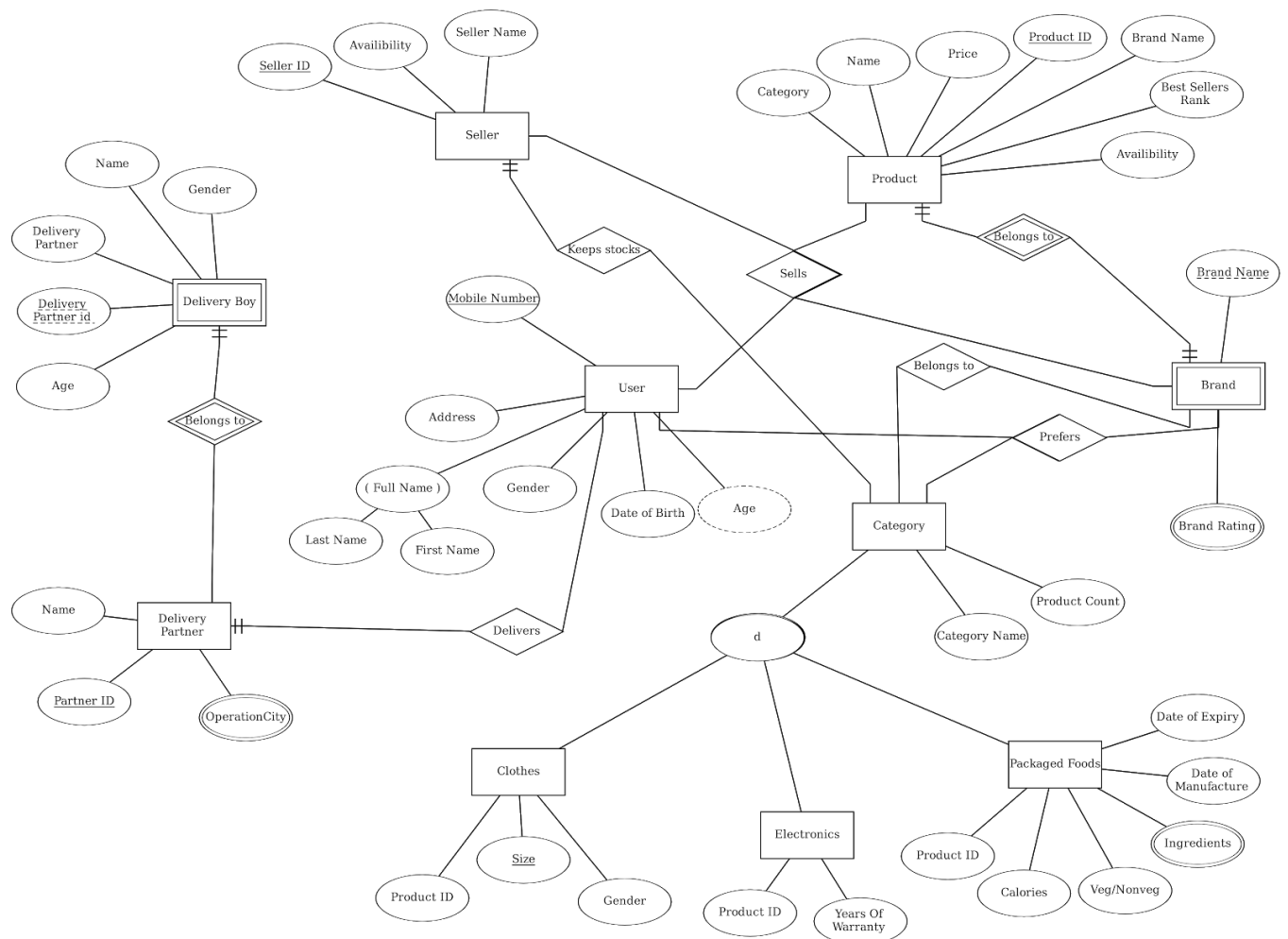
Original ER Diagram

What we changed

- Addition of an identifying relationship between the delivery boy and the delivery partner. In the document, the original team mentioned that the delivery boy was a weak entity, but when we drew the ER diagram, there was nothing connecting the delivery boy to some strong entity. As the delivery boy had no significance without the delivery partner, we added the identifying relationship between the delivery boy and the delivery partner.

- Modifying Age as a derived attribute instead of an independent attribute in the User Entity. Age can be derived from the Date of Birth Attribute. Also, there was no derived attribute in their mini world.

- Addition of subclasses in the Super-class 'Category'. The original team wrongly mentioned that 'Category' is a Subclass, but it should actually be a Super-class. The subclasses we added include the Clothes, Electronics and Packaged Foods, as these are some of the different types of product categories that a user can buy from a seller. Appropriate attributes for each of the subclasses have also been added.

Modified ER Diagram
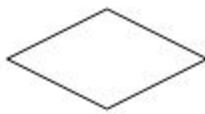
Notation for ER Diagrams

- Entity

- Weak Entity

- Attribute

- Multivalued Attribute

- Unique Attribute

- Derived Attribute

- Unique Attribute in a Weak Entity
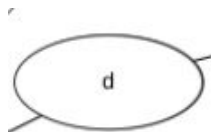

- Composite Attribute

- Relationship

- Identifying Relationship

- Subclass

- Denotes a Mandatory Relation