Arceo, Dianne Trixie
Santos, Eunesse
Santos, Fonzy
Tangkeko, Andrew
Vergara, Keith

IMAGERY CAFE MANAGEMENT PLAN

PROJECT DESCRIPTION:

Imagery Cafe is a premium cafe shop that intends to deliver exceptional drinks and pastries to its customers while applying certain twists, such as the addition of photography products in promos and the availability of creative and top-of-the-line pastries sourced from local businesses, in order to entice potential customers. The business is located at SM City Cabanatuan in Brgy. H. Concepcion, Along, Pan-Philippine Hwy, Cabanatuan City, 3100 Nueva Ecija.

ENTITIES:

1. CUSTOMER- the customer is the person who places an order in the cashier.
2. CASHIER- The person who receives the order from the customer
3. BARISTA- The one who makes the drink(order) that is placed by the customer
4. MANAGER- The person who manages the cafe.

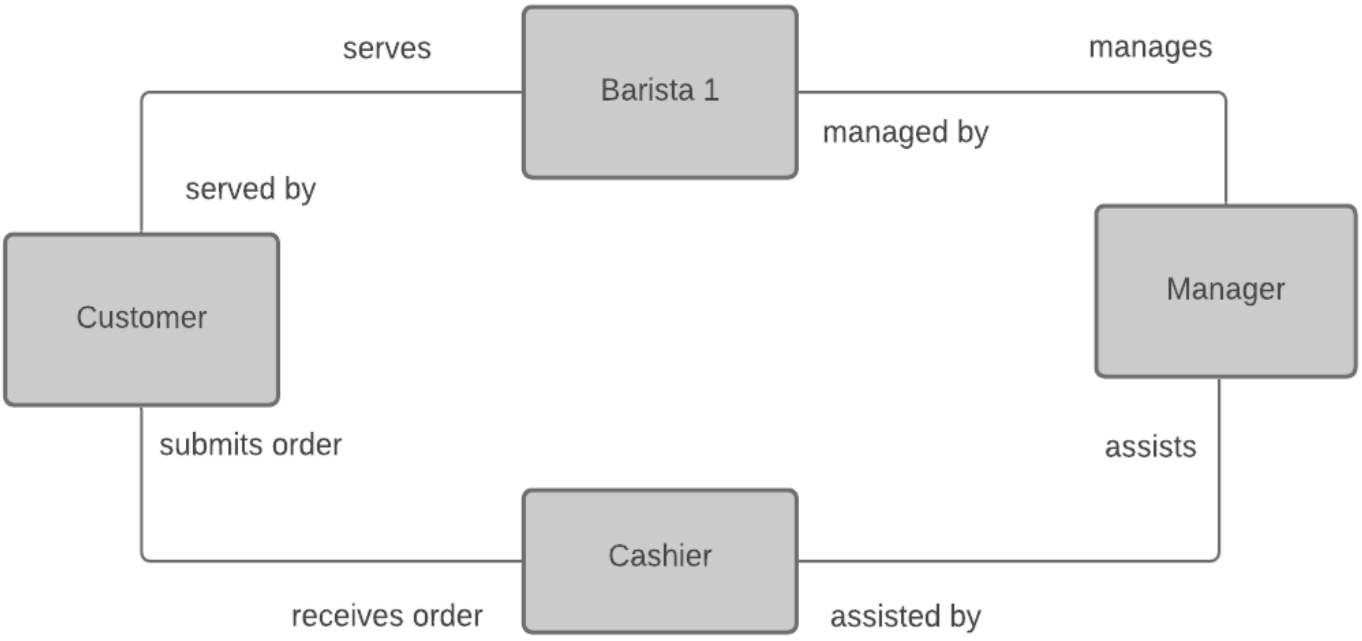
Arceo, Dianne Trixie
Santos, Eunesse
Santos, Fonzy
Tangkeko, Andrew
Vergara, Keith

Arceo, Dianne Trixie
Santos, Eunesse
Santos, Fonzy
Tangkeko, Andrew
Vergara, Keith

BUSINESS RULE:

1. A BARISTA serves exactly one CUSTOMER. Conversely, a CUSTOMER is served by only one BARISTA.
2. A MANAGER manages one or more BARISTA. On the other hand, a BARISTA is managed by only one MANAGER.
3. A CUSTOMER submits an order to only one CASHIER. Conversely, a CASHIER receives an order from only one CUSTOMER.
4. A MANAGER can assist one or more CASHIER. However, a CASHIER is assisted by only one MANAGER.

PRELIMINARY ENTERPRISE DATA MODEL



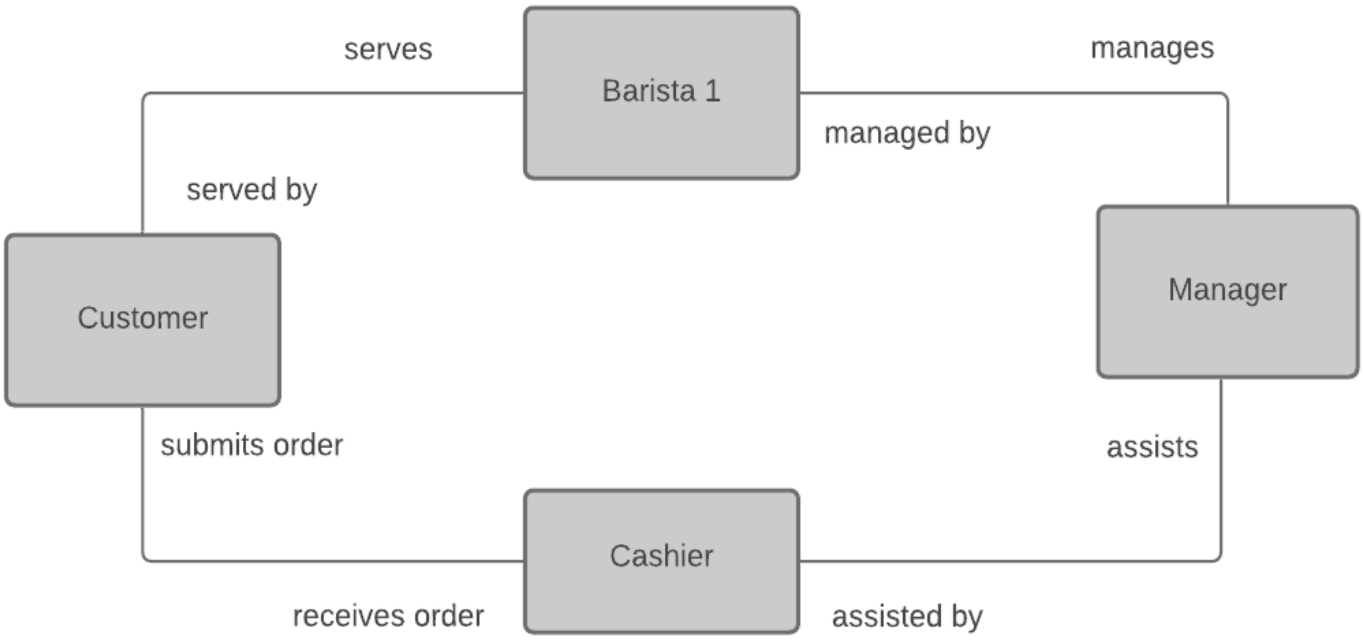
Arceo, Dianne Trixie
Santos, Eunesse
Santos, Fonzy
Tangkeko, Andrew
Vergara, Keith

Arceo, Dianne Trixie
Santos, Eunesse
Santos, Fonzy
Tangkeko, Andrew
Vergara, Keith

PRELIMINARY DATA MODEL CONVERTED INTO DETAILED ERD

The group has established the preliminary entity relationship diagram, the group is now move to the next step towards the development of the data base design.

PRELIMINARY ENTITY RELATIONSHIP DIAGRAM



Arceo, Dianne Trixie
Santos, Eunesse
Santos, Fonzy
Tangkeko, Andrew
Vergara, Keith

Arceo, Dianne Trixie
Santos, Eunesse
Santos, Fonzy
Tangkeko, Andrew
Vergara, Keith

ENTITY RELATIONSHIP DIAGRAM

The next step is to identify all the attributes or properties that maybe connected to individual entity.

- **BARISTA**. Attributes: Employee_ID, (identifier) Emp_Name, is our composite attribute with Fname, Lname, Age, and a simple attribute which is an Order_ID
- **MANAGER.** Attributes: Employee_ID, (identifier) while Emp_Name, is the composite attribute which is subdivided into Fname and Lname and a simple attribute of Location.
- **CUSTOMER**. Attributes: Customer_Name, is our composite attribute with Fname, Lname, Age, and a simple attribute of an Order_ID.
- **CASHIER**. Attributes: Employee_ID, (identifier) while Emp_Name is our composite attribute which has Fname, Lname and Age and a simple attribute which is the Order_ID.

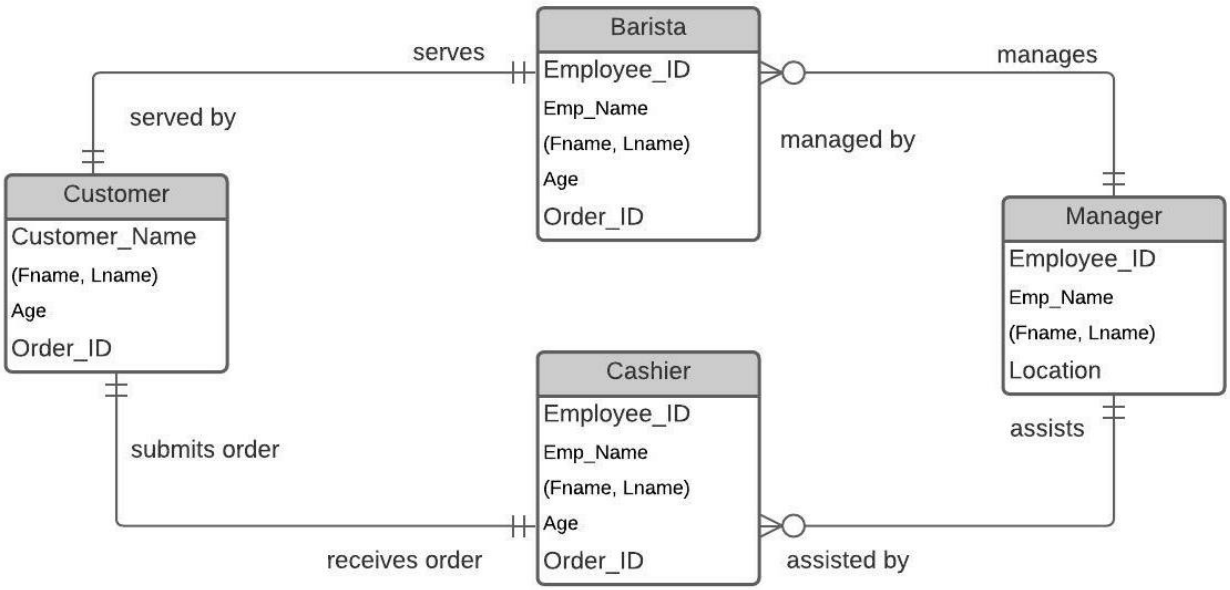
After the group identified the attributes or properties of each entity, the business rule should be identified as well in order to determine in detail how each entity type is related to another. The group listed the business rule in following narratives:

1. A BARISTA serves exactly one CUSTOMER. Conversely, a CUSTOMER is served by only one BARISTA.
2. A MANAGER manages one or more BARISTA. On the other hand, a BARISTA is managed by only one MANAGER.
3. A CUSTOMER submits an order to only one CASHIER. Conversely, a CASHIER receives an order from only one CUSTOMER.
4. A MANAGER can assist one or more CASHIER. However, a CASHIER is assisted by only one MANAGER.

Arceo, Dianne Trixie
Santos, Eunesse
Santos, Fonzy
Tangkeko, Andrew
Vergara, Keith

Arceo, Dianne Trixie
Santos, Eunesse
Santos, Fonzy
Tangkeko, Andrew
Vergara, Keith

DETAILED ENTITY RELATIONSHIP DIAGRAM



Arceo, Dianne Trixie
Santos, Eunesse
Santos, Fonzy
Tangkeko, Andrew
Vergara, Keith

Arceo, Dianne Trixie
Santos, Eunesse
Santos, Fonzy
Tangkeko, Andrew
Vergara, Keith

RELATIONAL SCHEMA

Relational schema is a table used in database design to represent the data to be entered to the database.

MANAGER

Employee_ID	Employee_Name	FName	LName	**Location**

CASHIER

Employee_ID	Employee_Name	FName	LName	Age	Order_ID	Location

BARISTA

Employee_ID	Employee_Name	FName	LName	Age	Order_ID	Location

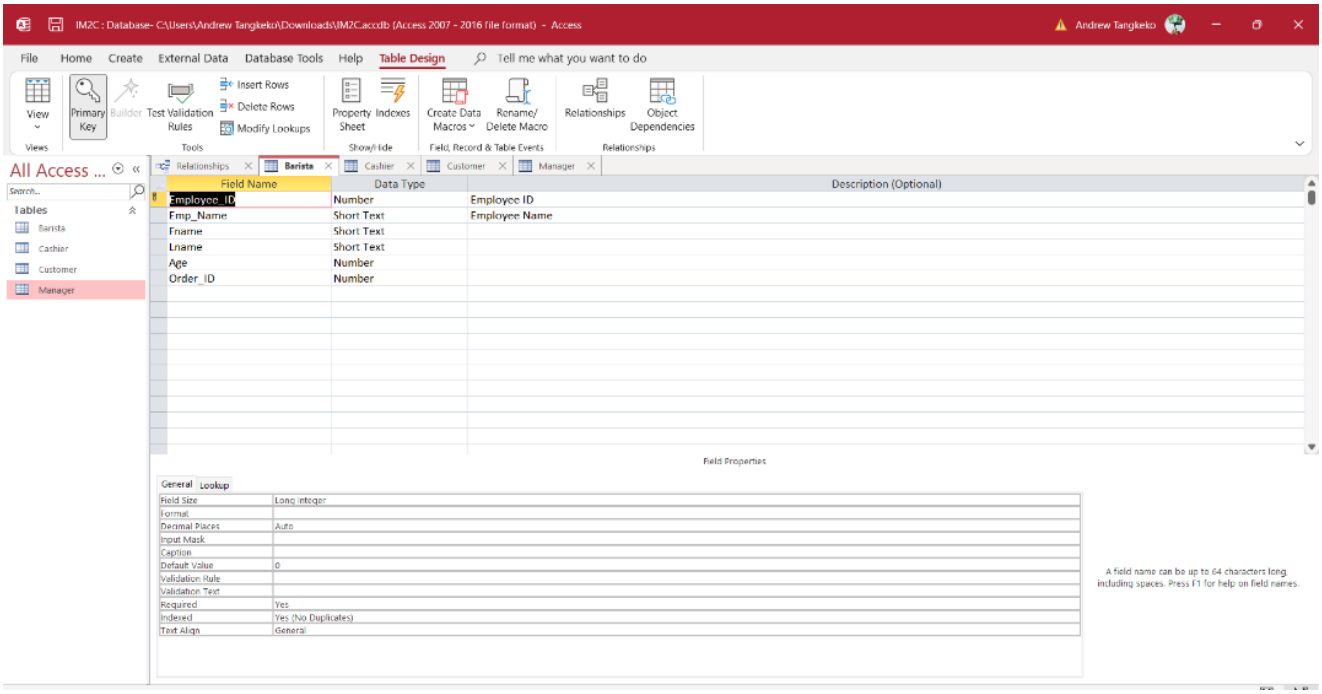
CUSTOMER

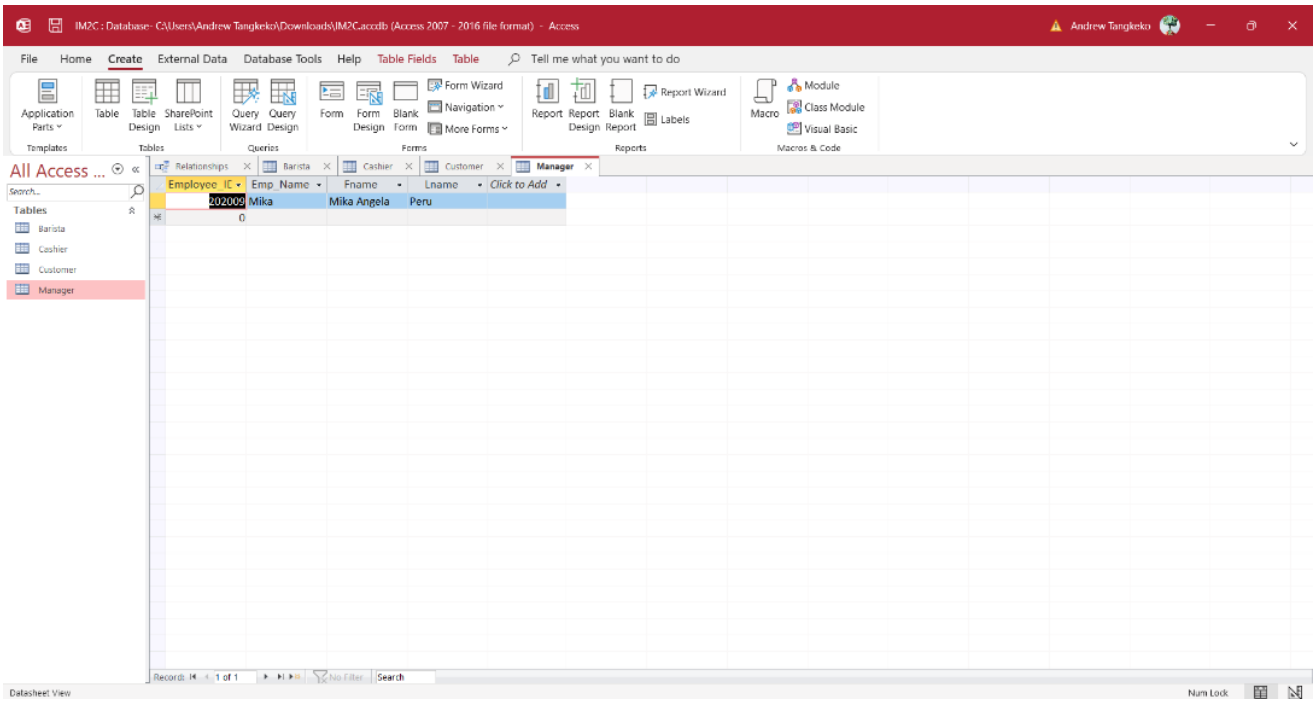
Customer_Name	FName	LName	Age	**Order_ID**

Arceo, Dianne Trixie
Santos, Eunesse
Santos, Fonzy
Tangkeko, Andrew
Vergara, Keith

Arceo, Dianne Trixie
Santos, Eunesse
Santos, Fonzy
Tangkeko, Andrew
Vergara, Keith

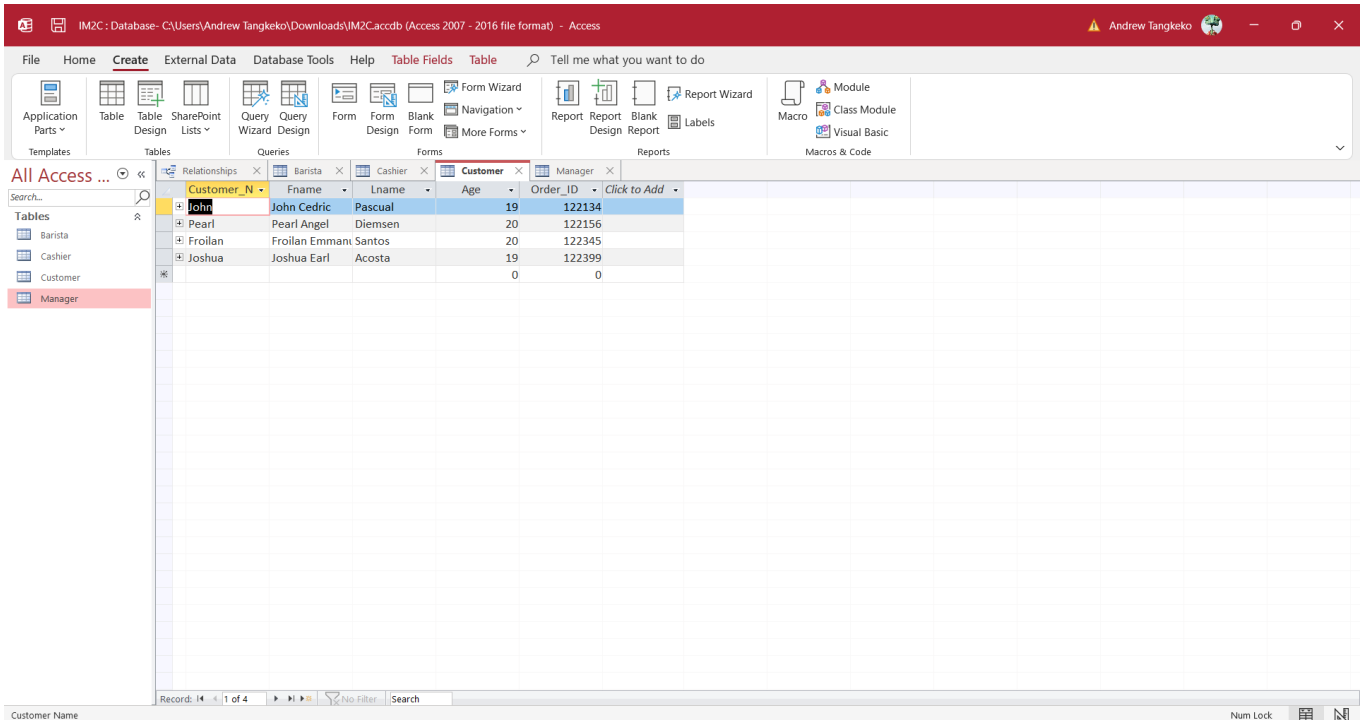
DATA IN MS ACCESS

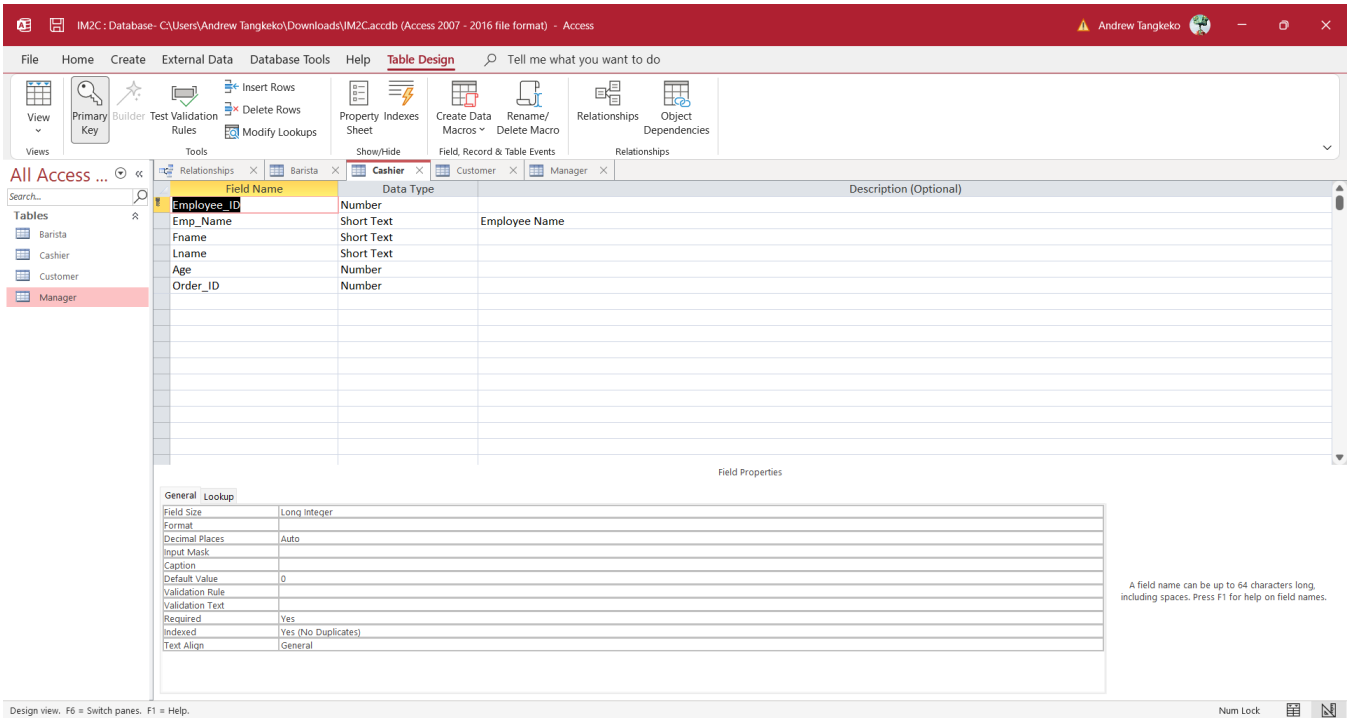




Arceo, Dianne Trixie
Santos, Eunesse
Santos, Fonzy
Tangkeko, Andrew
Vergara, Keith

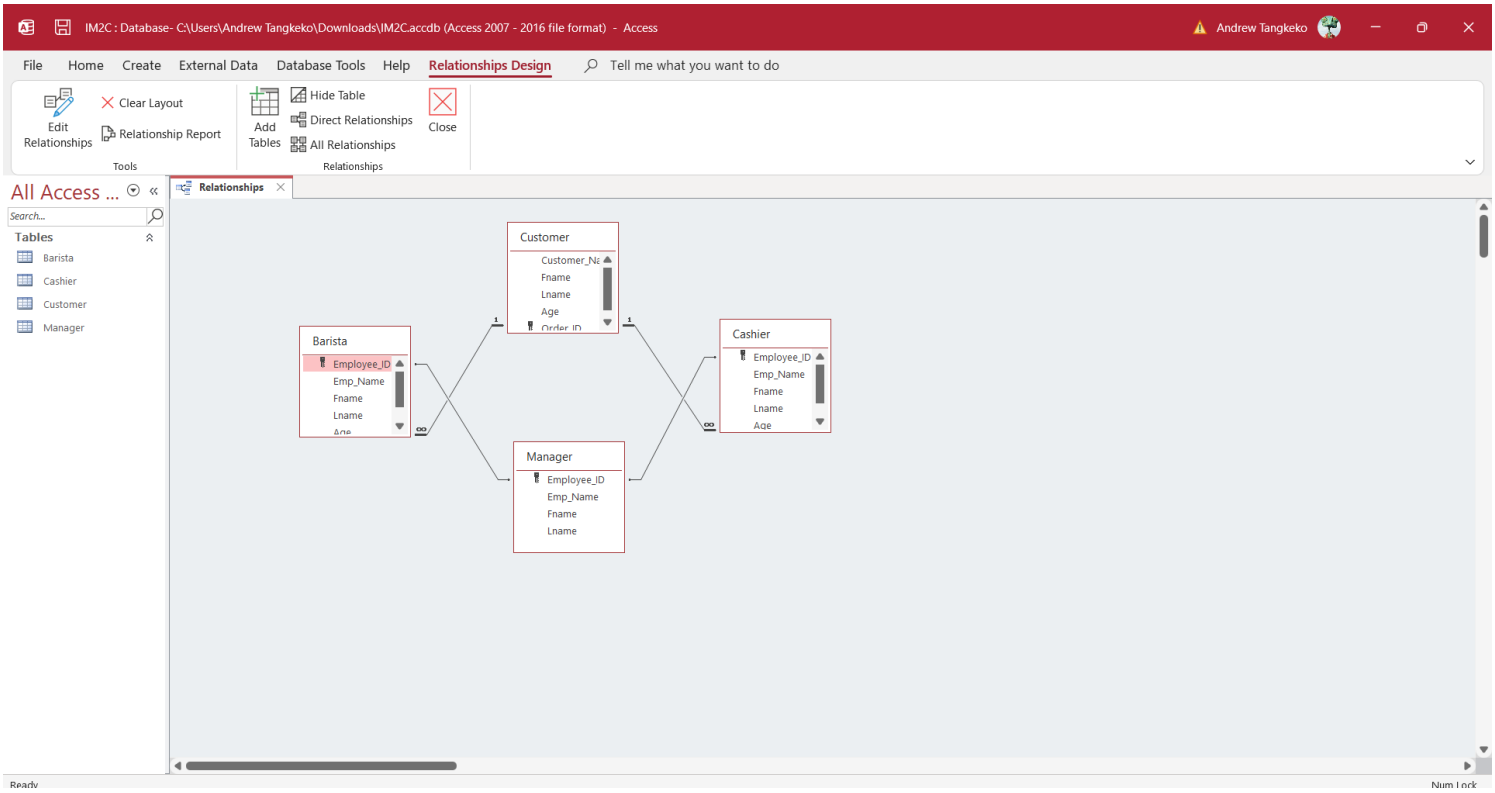
Arceo, Dianne Trixie
Santos, Eunesse
Santos, Fonzy
Tangkeko, Andrew
Vergara, Keith





Arceo, Dianne Trixie
Santos, Eunesse
Santos, Fonzy
Tangkeko, Andrew
Vergara, Keith

Arceo, Dianne Trixie
Santos, Eunesse
Santos, Fonzy
Tangkeko, Andrew
Vergara, Keith



Arceo, Dianne Trixie
Santos, Eunesse
Santos, Fonzy
Tangkeko, Andrew
Vergara, Keith