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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.

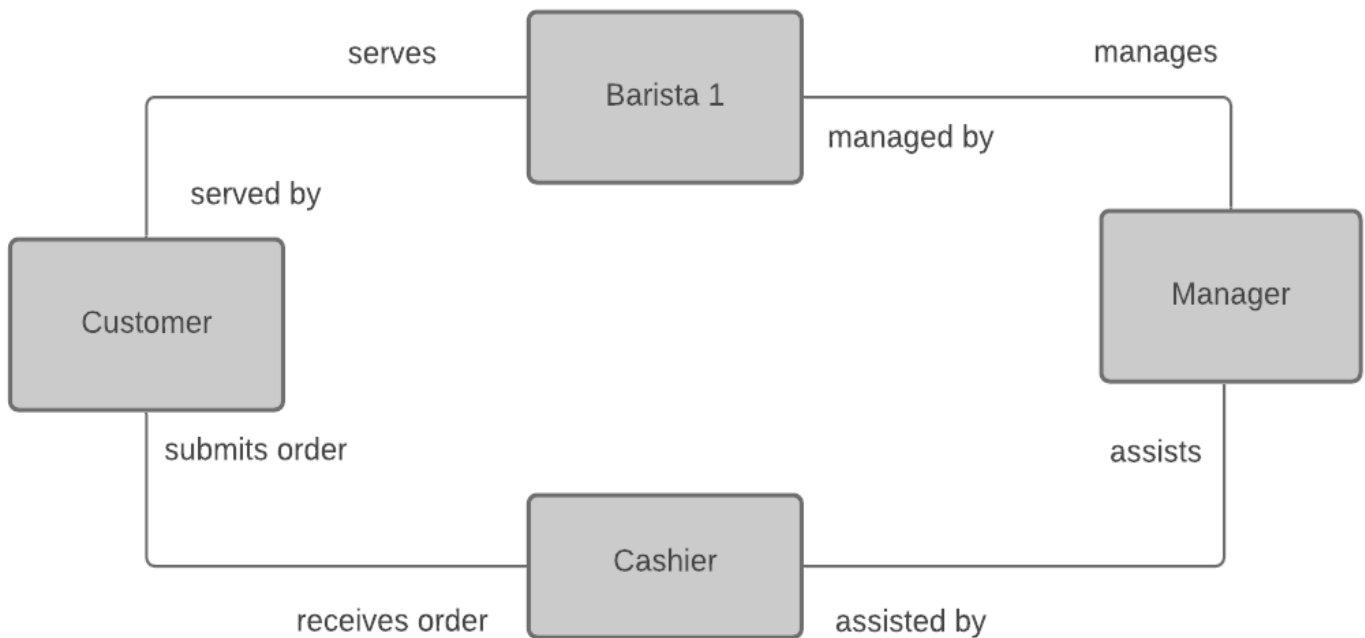
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BUSINESS RULE:

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



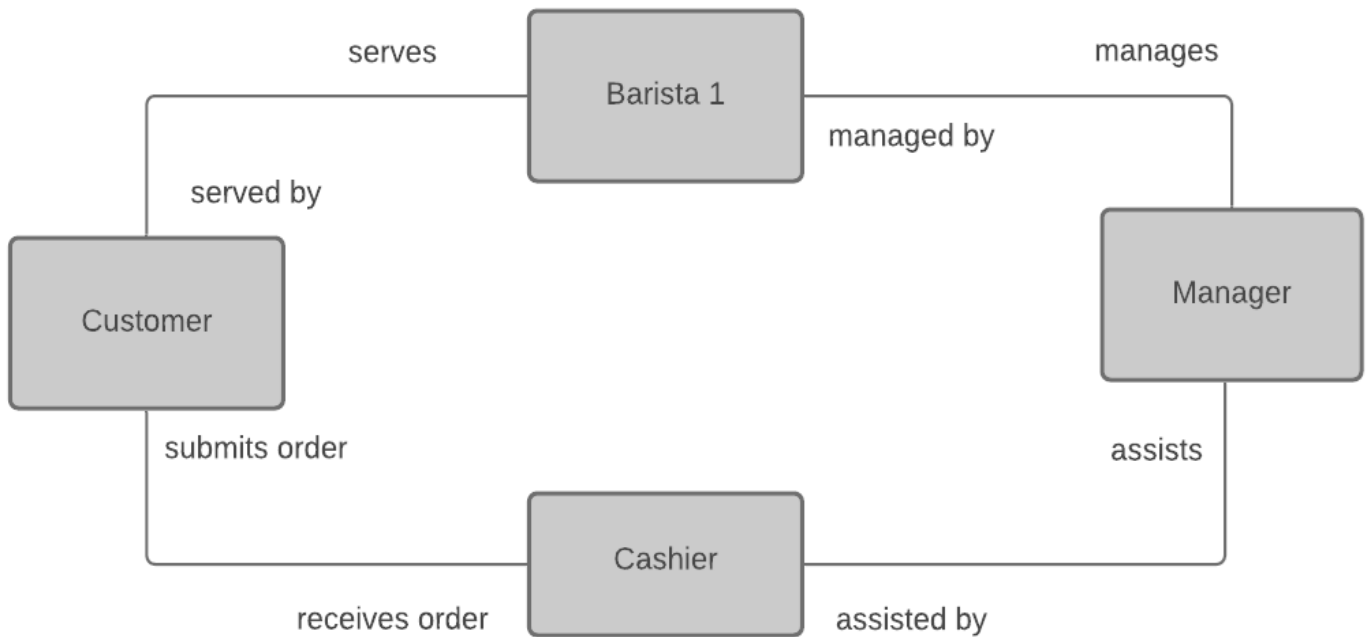
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PRELIMINARY DATA MODEL CONVERTED INTO DETAILED ERD

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



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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.

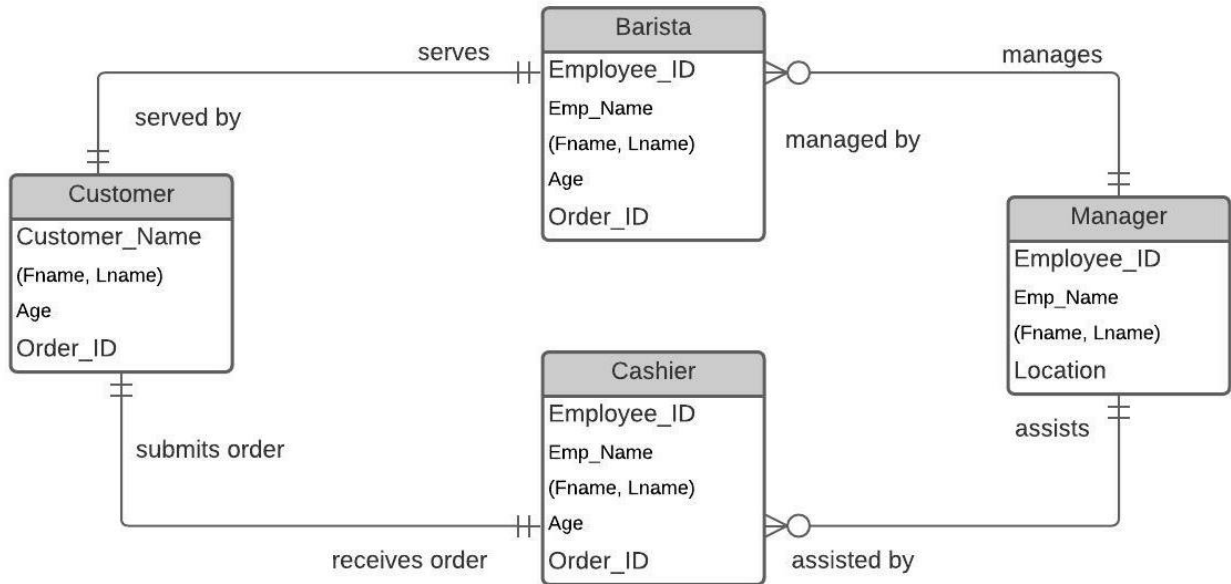
After the group identified the attributes or properties of each entity, the business rule should be identified as well in order to determine in detail how each entity type is related to another. The group listed the business rule in following narratives:

1. A BARISTA serves exactly one CUSTOMER. Conversely, a CUSTOMER is served by only one BARISTA.
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DETAILED ENTITY RELATIONSHIP DIAGRAM



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RELATIONAL SCHEMA

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

MANAGER

<u>Employee_ID</u>	Employee_Name	FName	LName	<u>Location</u>
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CASHIER

<u>Employee_ID</u>	Employee_Name	FName	LName	Age	<u>Order_ID</u>	<u>Location</u>
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BARISTA

<u>Employee_ID</u>	Employee_Name	FName	LName	Age	<u>Order_ID</u>	<u>Location</u>
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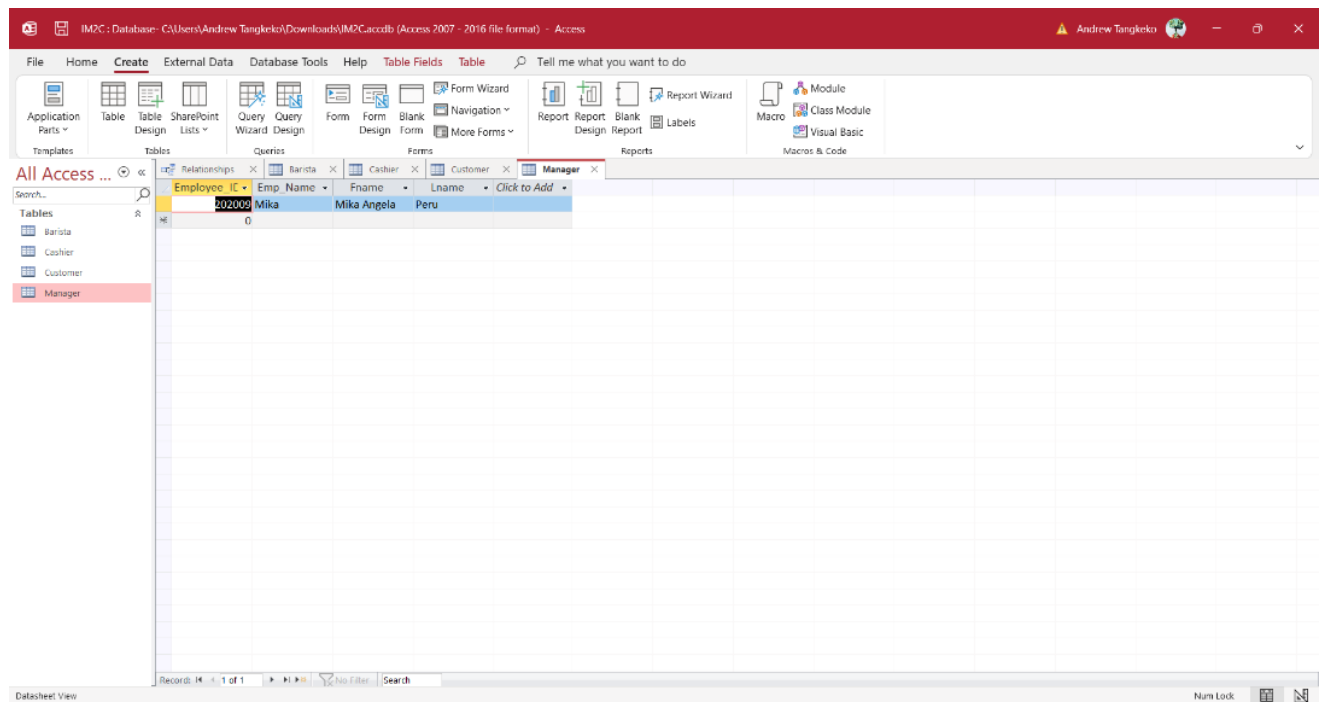
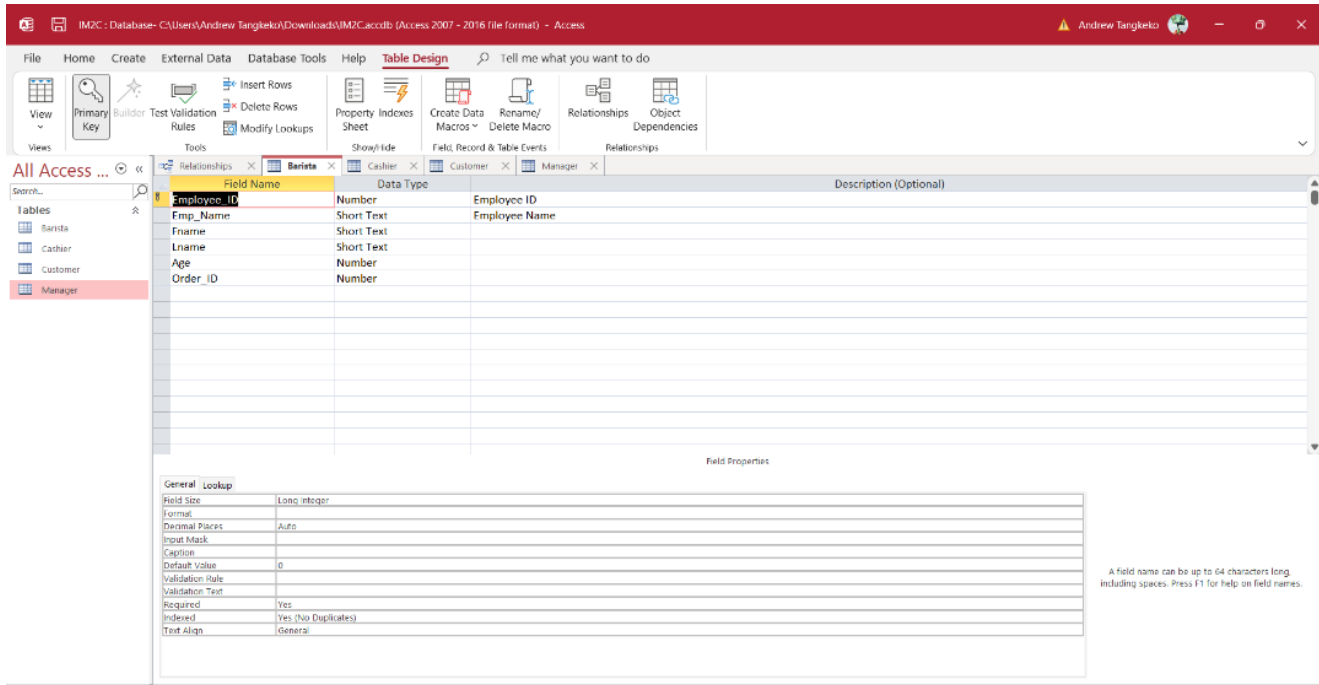
CUSTOMER

<u>Customer Name</u>	FName	LName	Age	<u>Order_ID</u>
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DATA IN MS ACCESS



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The screenshot shows the Microsoft Access application window with the 'Customer' table open in Datasheet view. The table has the following data:

Fname	Lname	Age	Order_ID
John	John Cedric	19	122134
Pearl	Pearl Angel	20	122156
Froilan	Froilan Emman Santos	20	122345
Joshua	Joshua Earl	19	122399
		0	0

The interface includes a ribbon with 'Table Fields' and 'Table' tabs, and a left-hand pane showing the 'All Access Objects' list with 'Customer' selected.

The screenshot shows the Microsoft Access application window with the 'Employee' table open in Design view. The table structure is as follows:

Field Name	Data Type	Description (Optional)
Employee_ID	Number	
Emp_Name	Short Text	Employee Name
Fname	Short Text	
Lname	Short Text	
Age	Number	
Order_ID	Number	

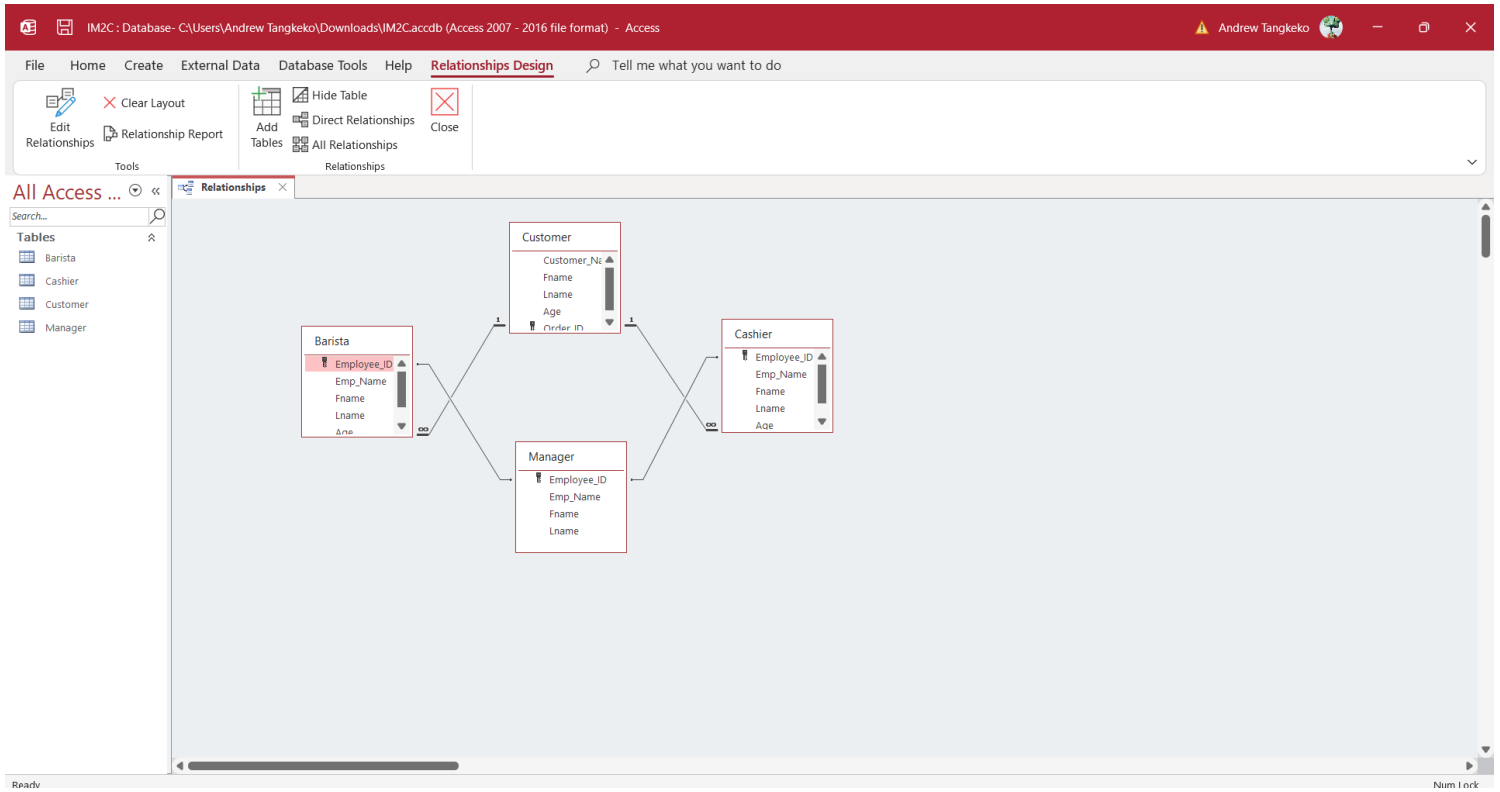
The interface includes a ribbon with 'Table Design' and 'Table' tabs. Below the table design grid, the 'Field Properties' pane is visible, showing properties for the selected field (Employee_ID):

Property	Value
Field Size	Long Integer
Format	
Decimal Places	Auto
Input Mask	
Caption	
Default Value	0
Validation Rule	
Validation Text	
Required	Yes
Indexed	Yes (No Duplicates)
Text Align	General

A note at the bottom right states: 'A field name can be up to 64 characters long, including spaces. Press F1 for help on field names.'

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