

Midterm Report

DATABASE DESIGN FOR BUSINESS

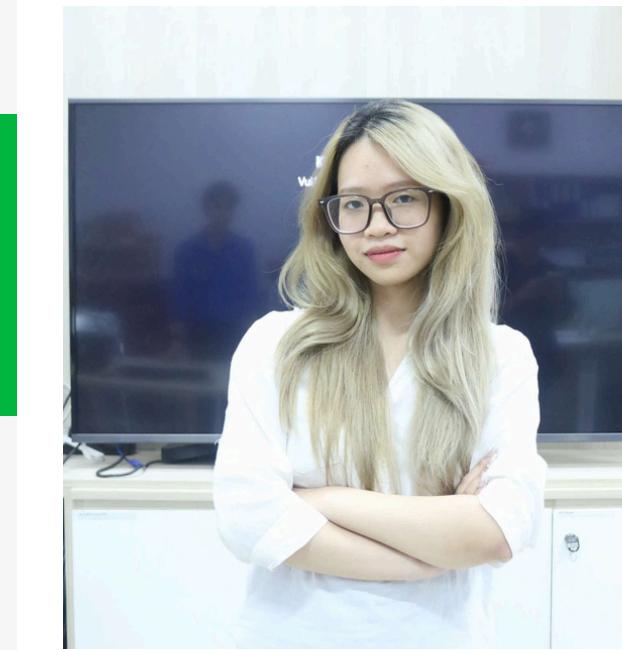
GrabFood

*Presented by: Group 1
Instructor: Mrs. Lam Hong Thanh, M.I.M.*

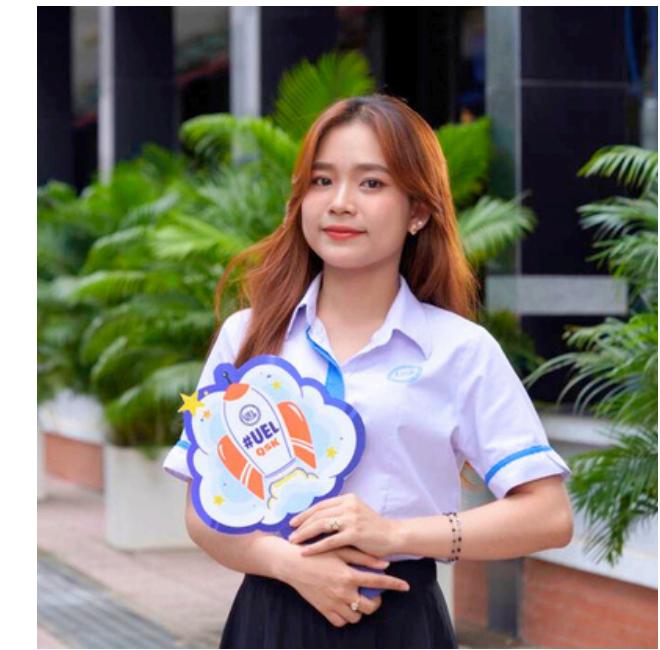
OUR TEAM



Trinh Tuyết Quân
K224111501



Chu Thị Thùy Dung
K224111482



Nguyễn Thị Thanh An
K224111480



Lưu Yên Nhi
K224111498



Nguyễn Quốc Trịnh
K224111506



Đặng Minh Đăng
K224111483

Agenda



- 01 Introduction to business model
- 02 Business process of GrabFood
- 03 Entity Relationship Diagram (ERD)
- 04 Logical database design
- 05 Physical database design

CONTRIBUTION



Name	Contribution
Trịnh Tuyết Quân	100%
Chu Thị Thùy Dung	100%
Lưu Yến Nhi	100%
Nguyễn Thị Thanh An	100%
Nguyễn Quốc Trịnh	100%
Đặng Minh Đăng	100%

OVERVIEW

01 General introduction to GrabFood services

GrabFood is a digital application-based food delivery service provided by Grab

Grab Food offers a food delivery service and a digital payment service through the Grab mobile app

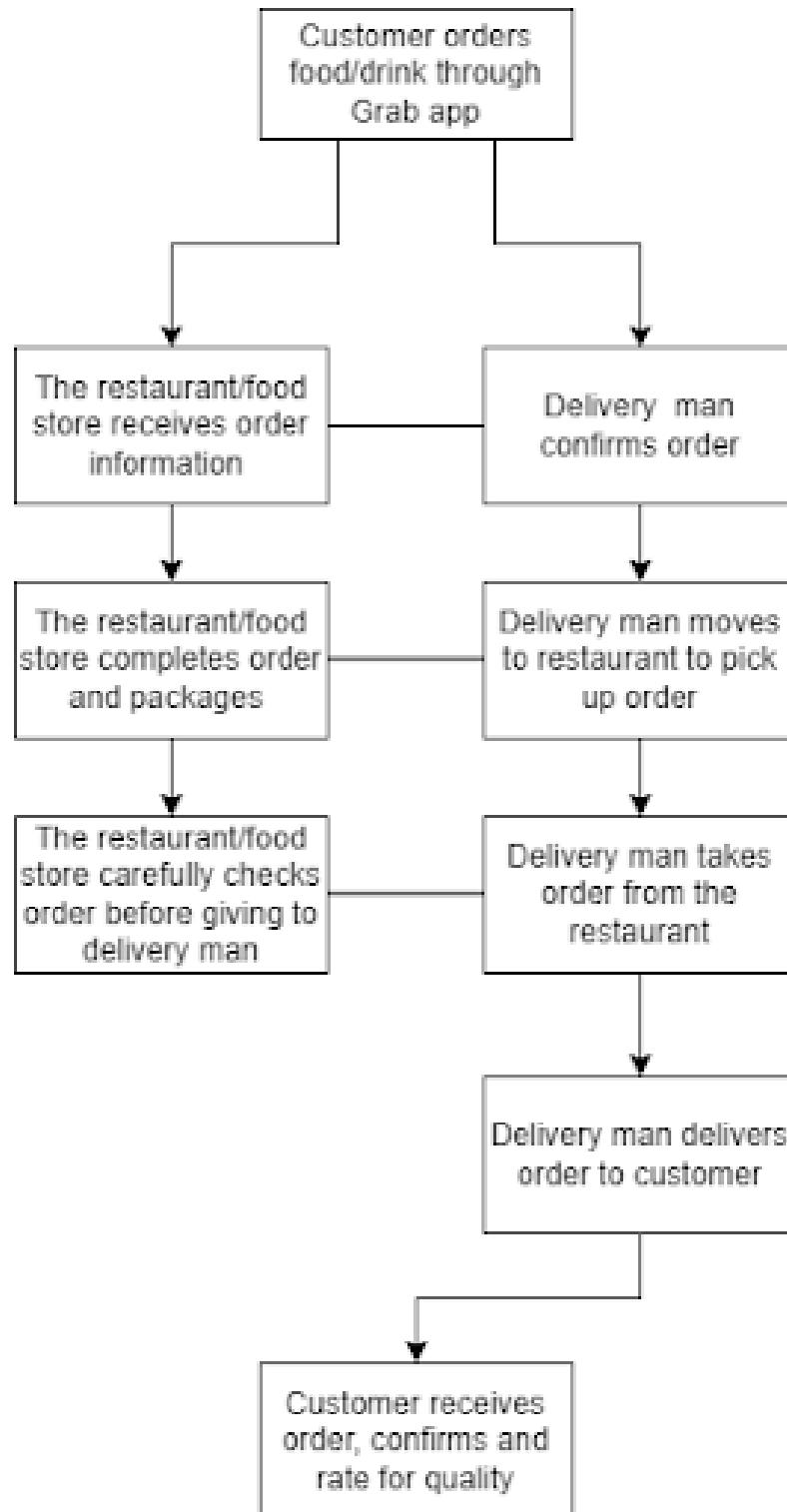
02 Areas of operation, products and services, target market

Areas of operation: served 19 provinces and attracted more than 13 million users in Ho Chi Minh City and Hanoi.

Products and services: Main purpose is to deliver foods from local stores or restaurants to customers, offers different categories of food to customers and provide diverse methods of payment

Target market: Southeast market, urban populations with high smartphone penetration and a preference for convenient services

OVERVIEW



GrabFood business process

03

Business model of GrabFood

Distribution system: via mobile applications so customers can find Grab products/services by downloading the Grab application on the App Store or CH Play

Business strategy:

- Expanding market share through a high level of integration into the Grab ecosystem
- Uses technology to make the order experience more pleasant and unique
- Encourage cashless payments with GrabPay and offer value through loyalty program_GrabRewards

MISSION

Drive Southeast Asia forward by creating economic empowerment for everyone.



Creating the superapp



Creating sustainable impact



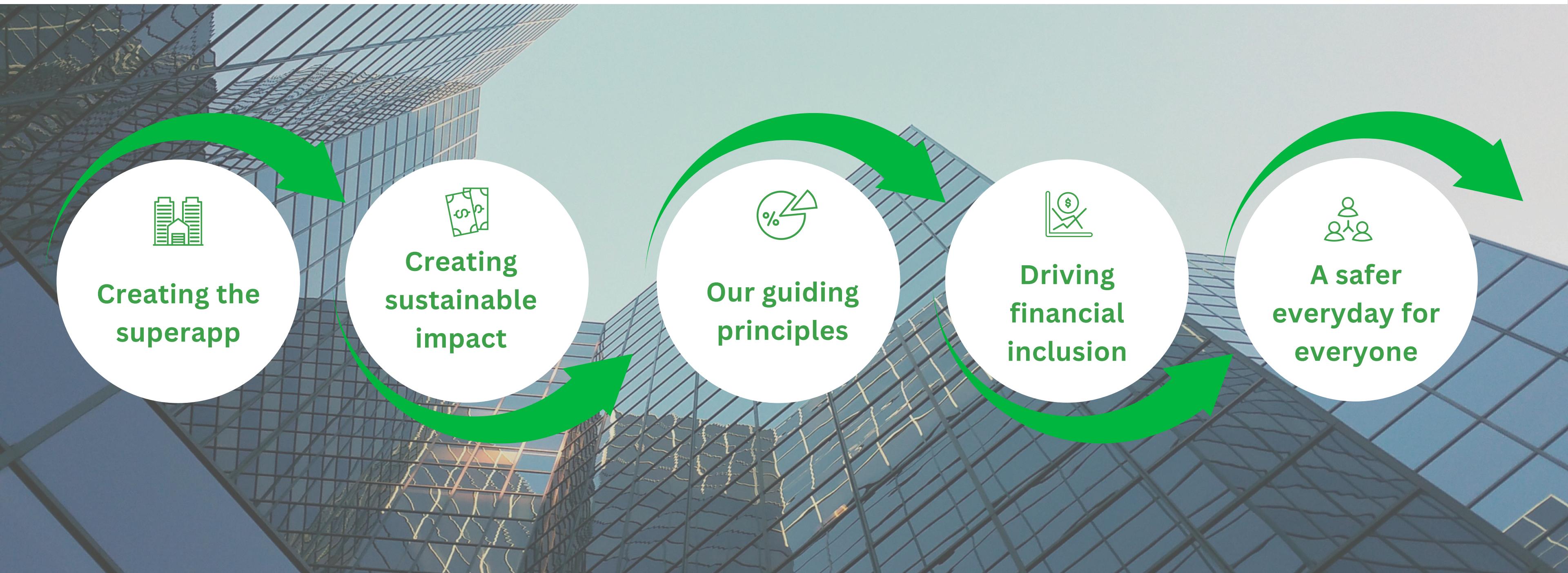
Our guiding principles



Driving financial inclusion

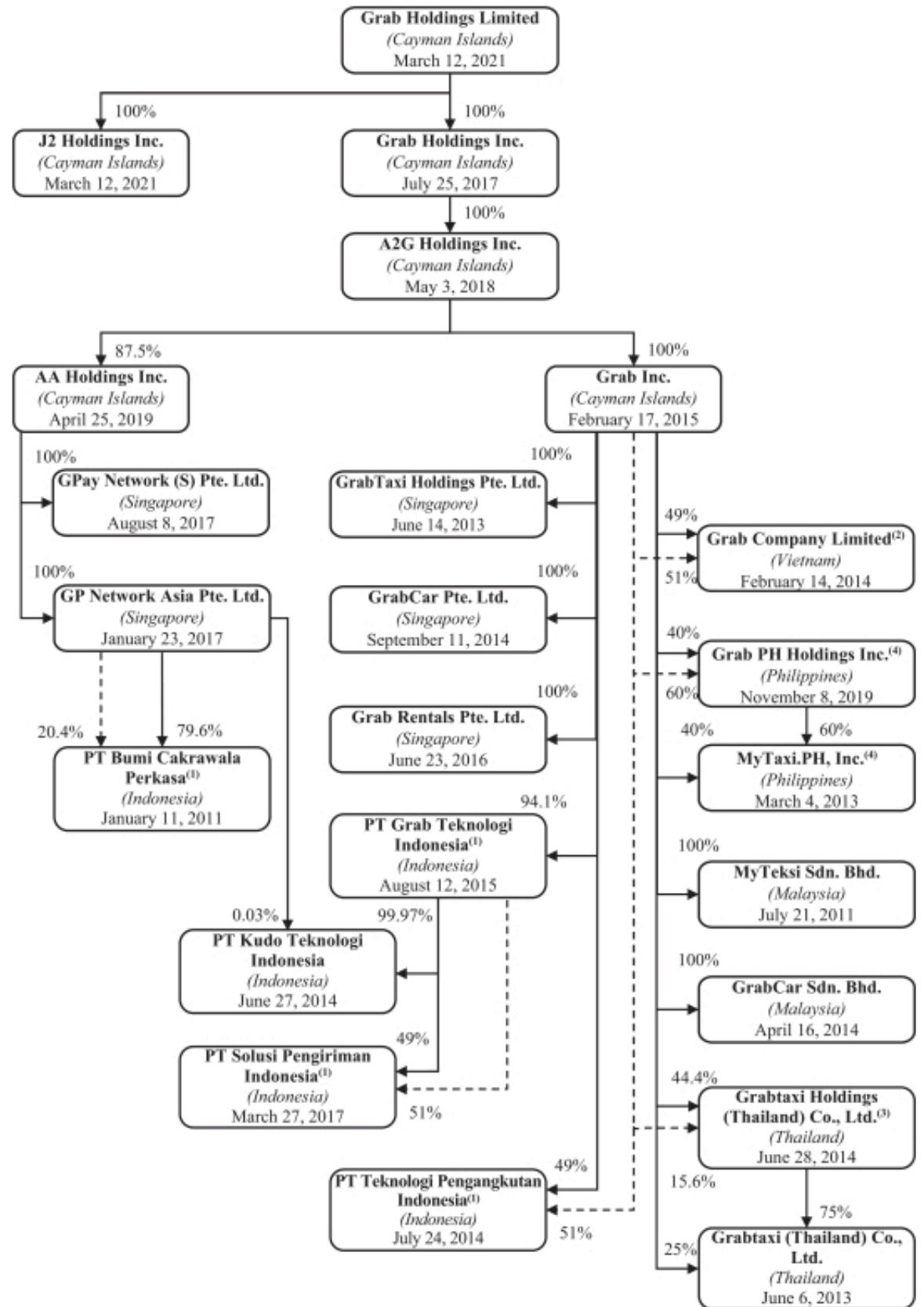


A safer everyday for everyone



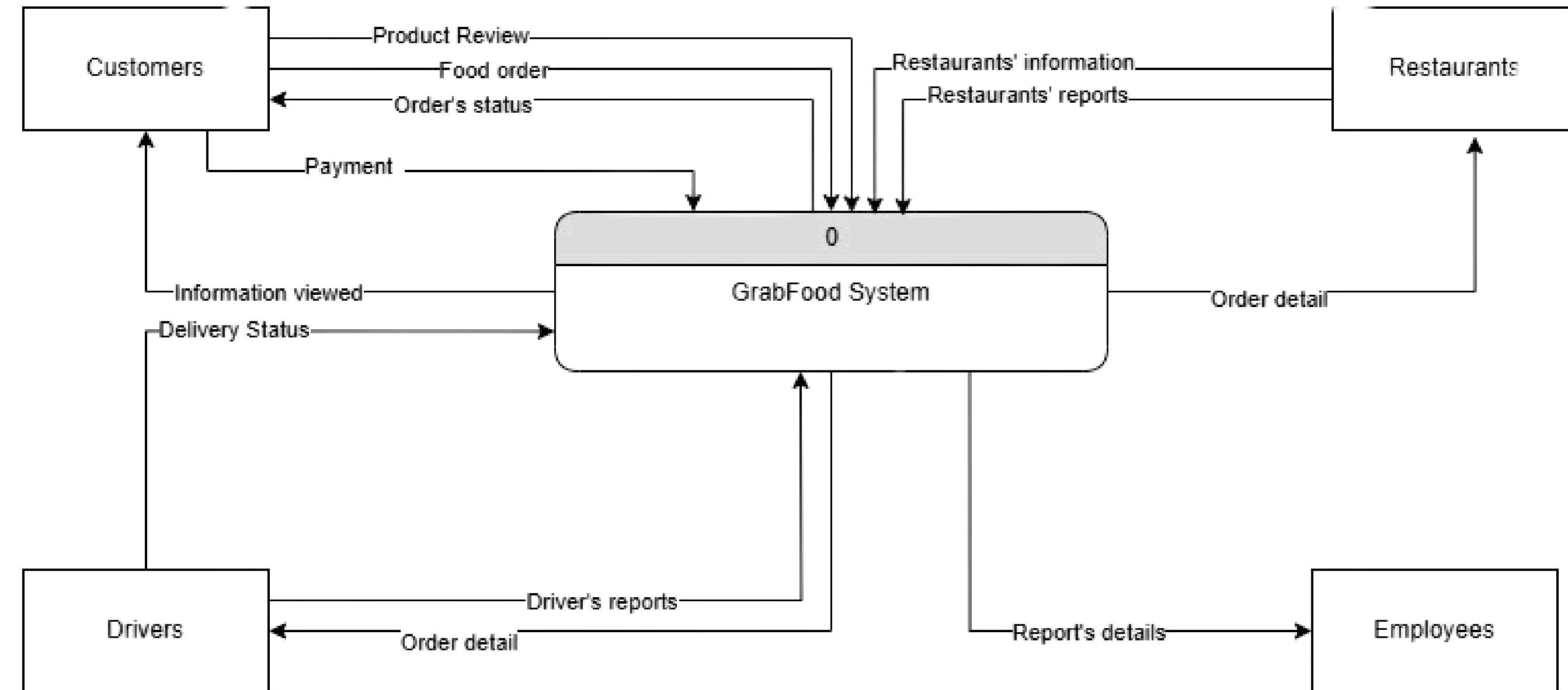
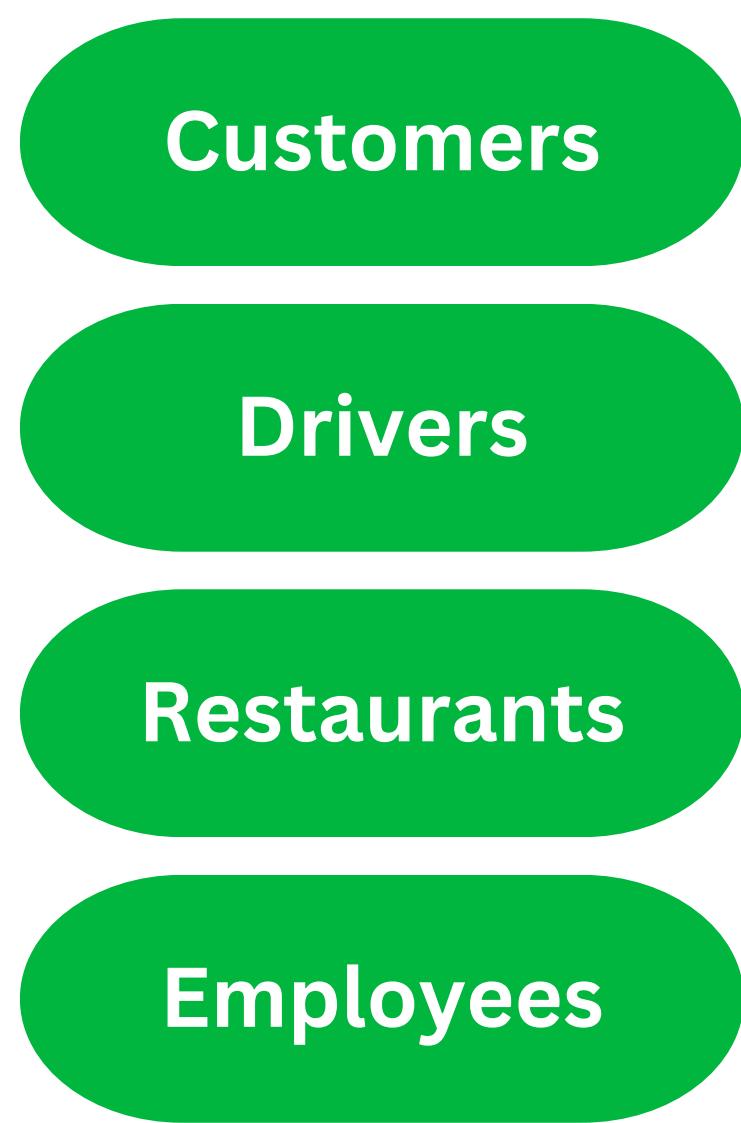
ORGANIZATIONAL STRUCTURE OF GRABFOOD

Business combination of Grab



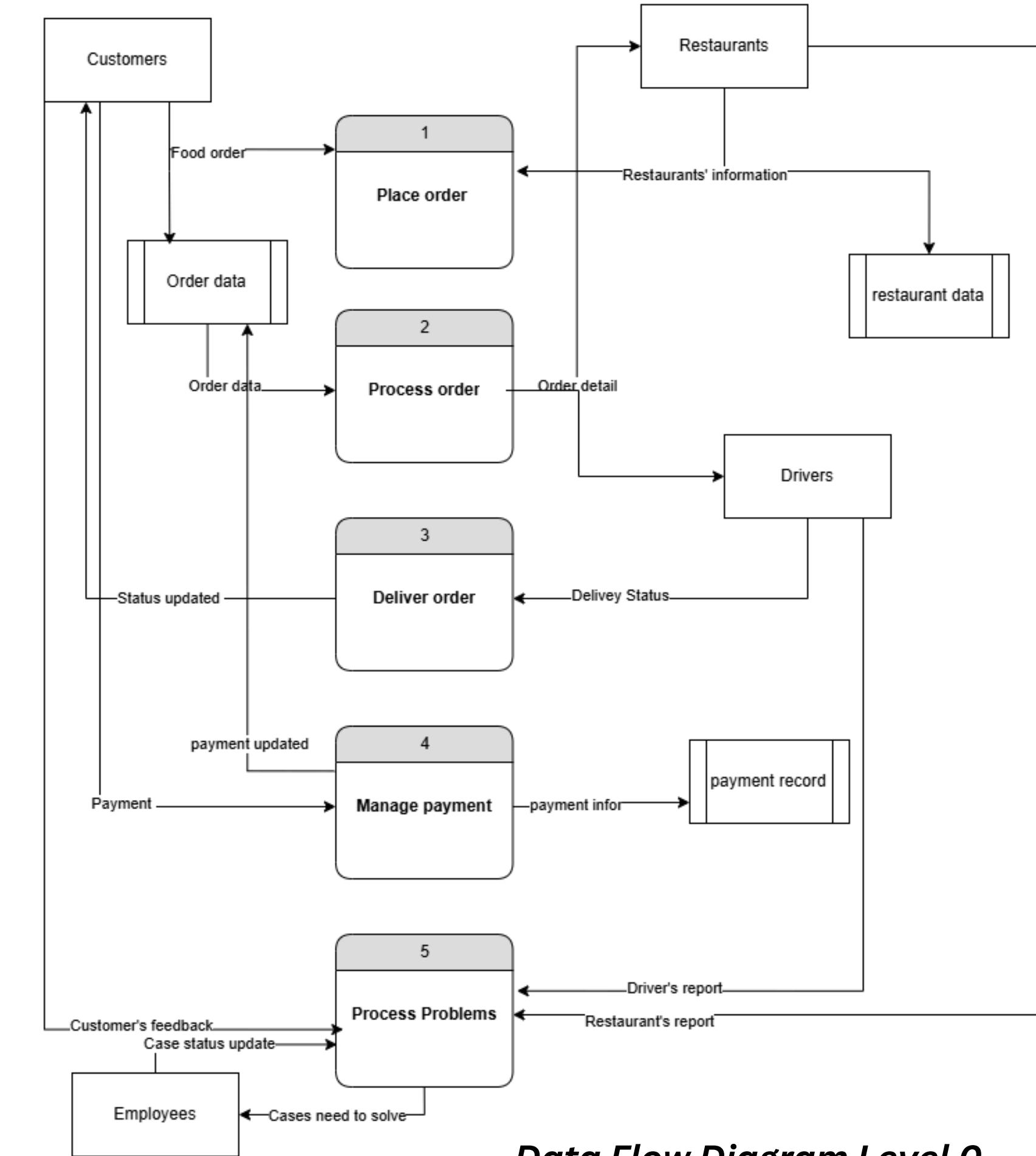
GENERAL BUSINESS MODEL

Stakeholders Involved



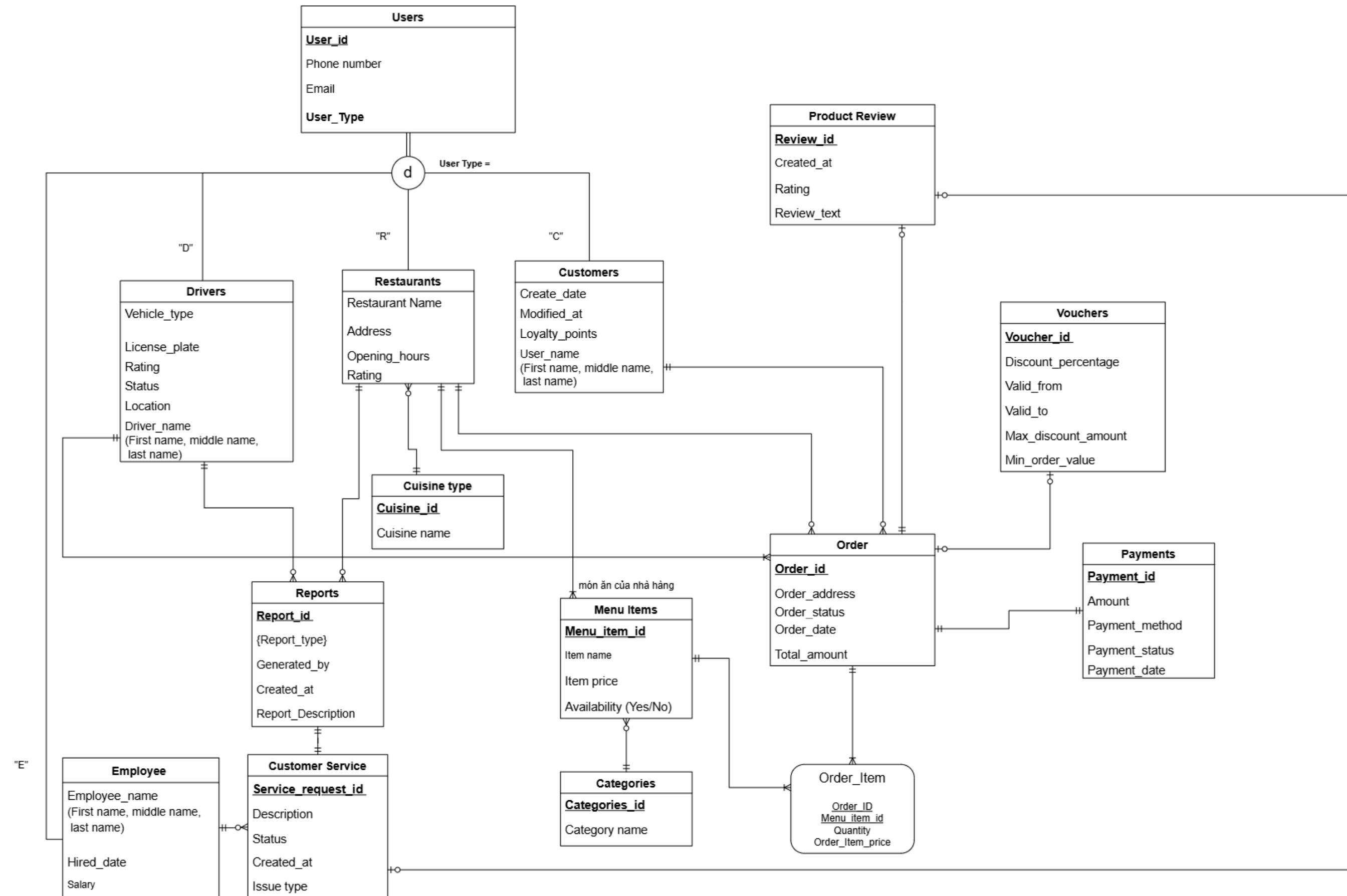
GrabFood System Context Diagram

DETAILED BUSINESS PROCESSES

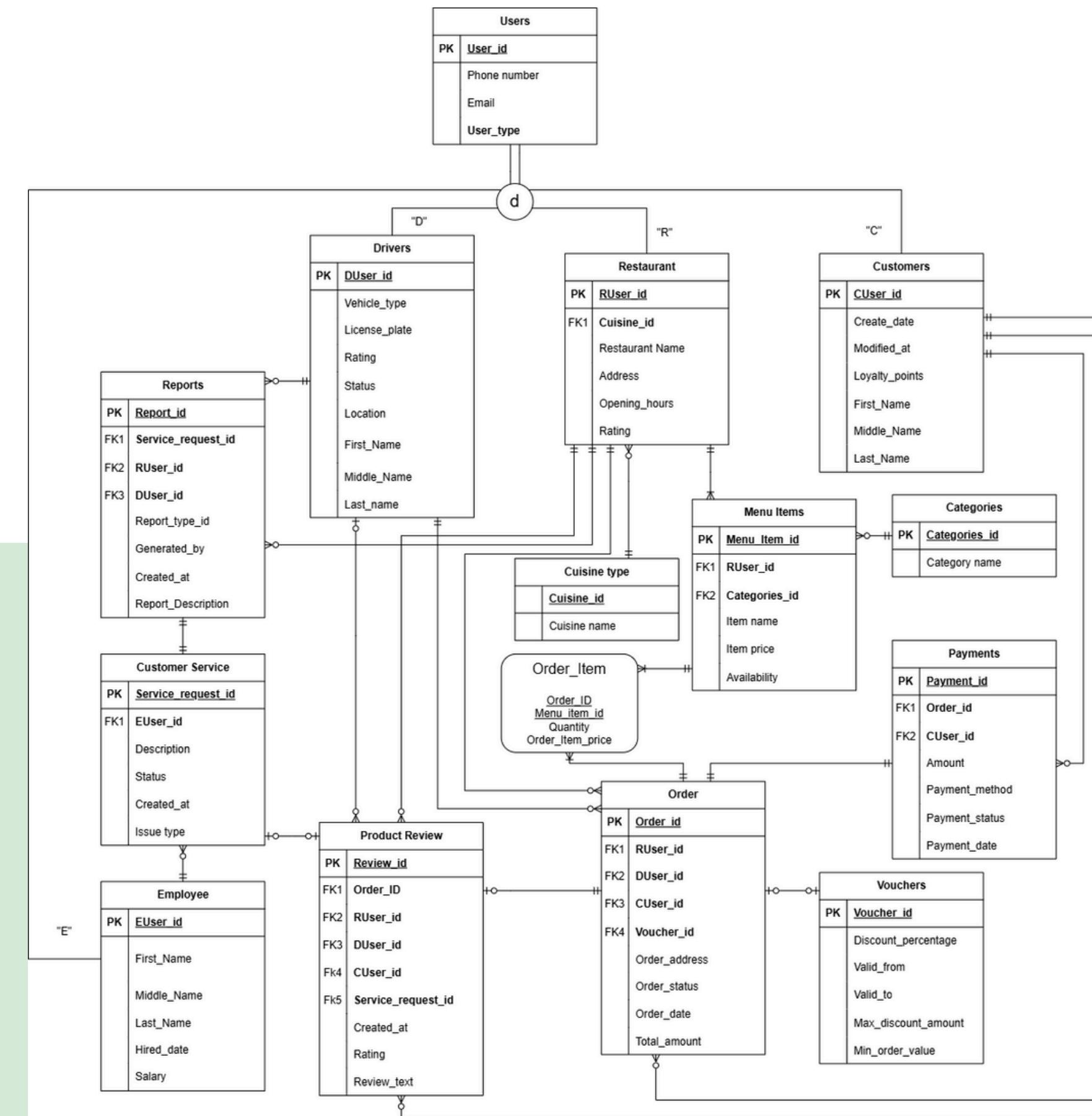


Data Flow Diagram Level 0

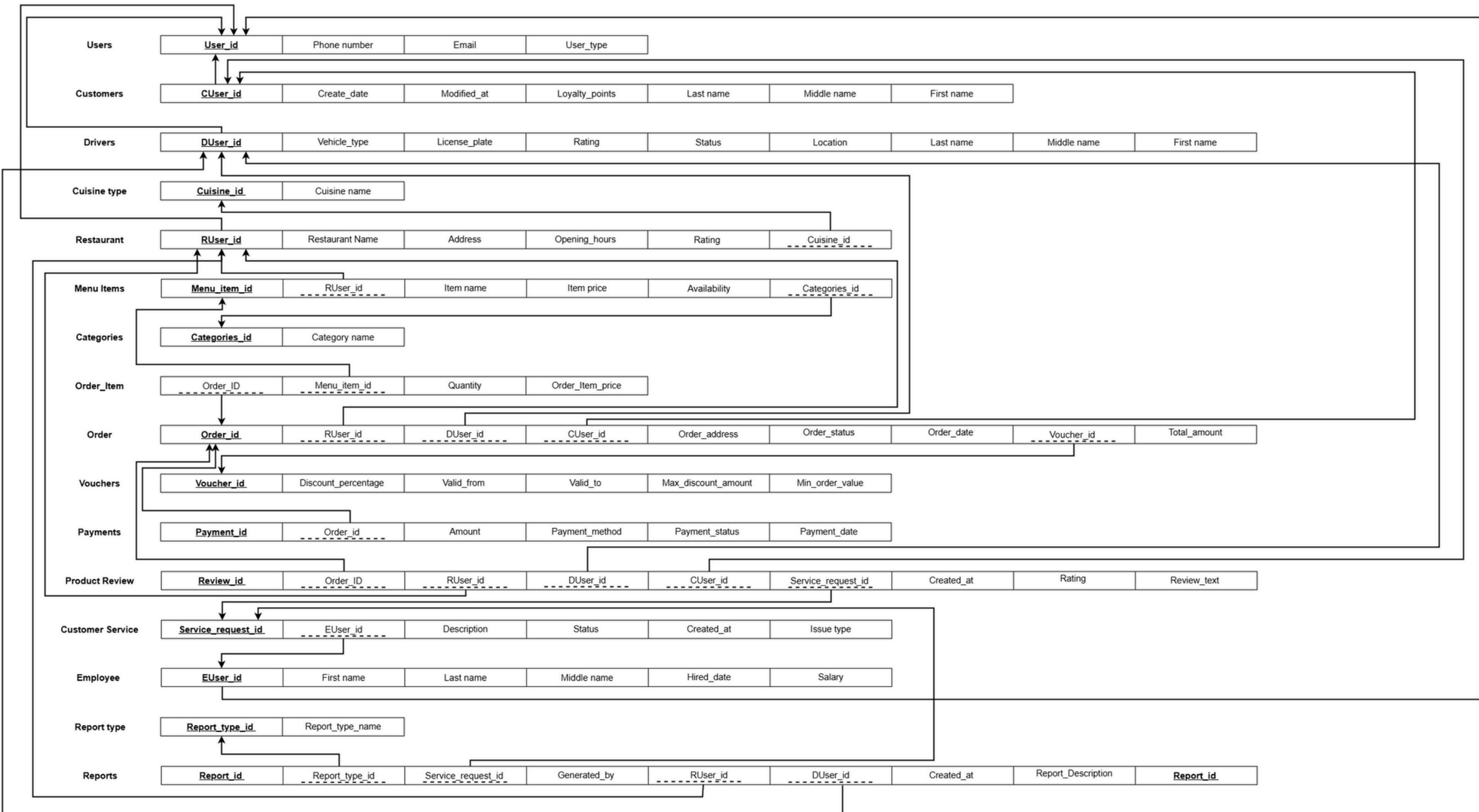
ER MODEL



ENTITY RELATIONSHIP DIAGRAM



RELATIONAL MODEL



PHYSICAL RECORD DESCRIPTION

Table	Attribute	Data Type	Comments/Notes
Grab_Users	UserId	INT	PRIMARY KEY
	Email	VARCHAR(100)	UNIQUE
	UserType	VARCHAR(50)	D,C,R or E
Drivers	DUser_ID	INT	PRIMARY KEY, Must match with UserId
	Last_name	VARCHAR(100)	NOT NULL
	First_name	VARCHAR(100)	NOT NULL
	Middle_name	VARCHAR(100)	
	Rating	DECIMAL(3, 2)	CHECK (Rating BETWEEN 1 AND 5)
	Status	VARCHAR(50)	
	Location	VARCHAR(100)	



SQL COMMANDS FOR THE DATABASE

- 01 **Calculate the number of orders for each restaurant and display the restaurant names.**
- 02 **Calculate the total revenue of each restaurant**
- 03 **Get a list of restaurants and the total revenue of each restaurant, only include those with total revenue greater than 1000.**
- 04 **Get information about the order, customer, and driver.**
- 05 **Get information about the customer with the highest total payment.**

SQL COMMANDS FOR THE DATABASE

- 06 **Get the total amount for each payment method**
- 07 **Get reports on specific restaurants and drivers.**
- 08 **Filter reports “Giao hàng chậm”**
- 09 **Filter Report_Type_Id that have more than one report.**
- 10 **Query each payment of customers whose total payment amount is greater than 500
use Subquery or CTE**

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THANK YOU

Grab
Food

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