Assignment 2
Relational Model, Normalization

Learning outcome:

- Transform ER model to relational model, constraints and database schema.
- Perform normalization until 3rd normal form

Student Learning Time (SLT) is 12 hours
(C5-CSCS1 - 30%)

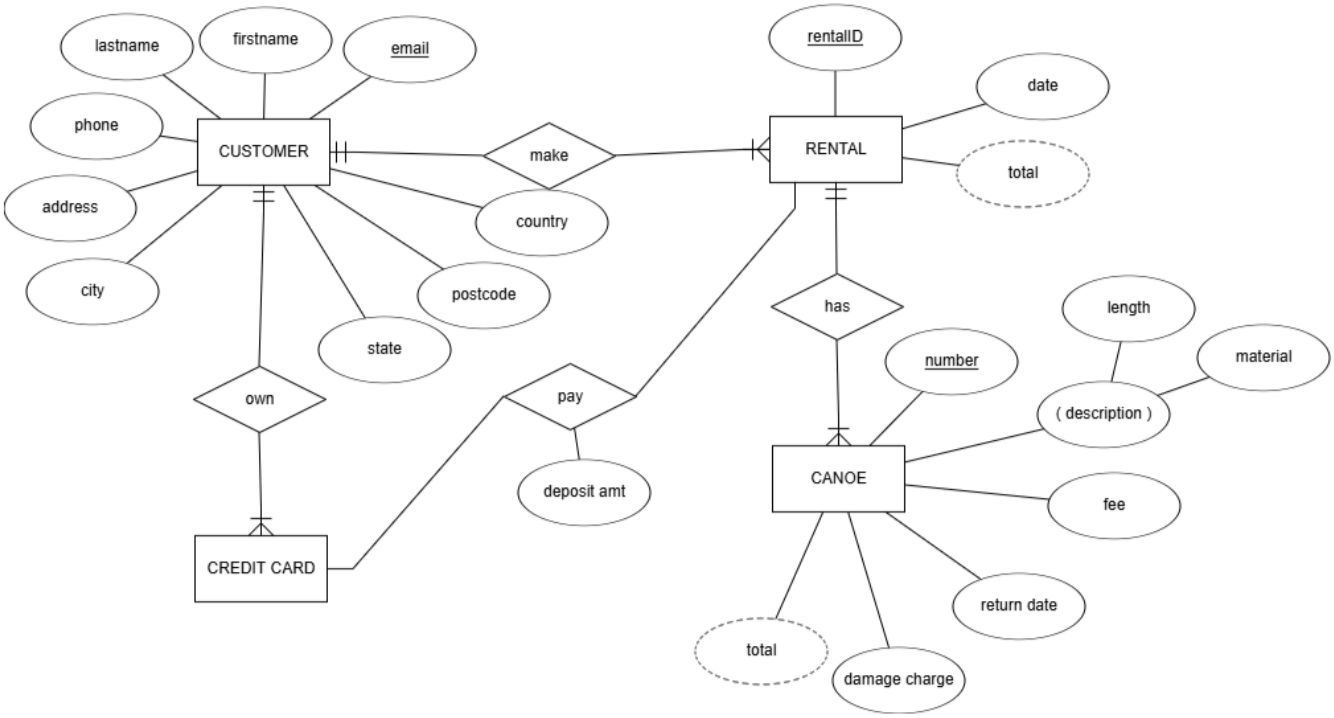
Dateline: 5 May 2025 (upload to PutraBLAST).

** Copy or other forms of cheating are forbidden. The standard penalty for the first offense is to award 0 to all parties concerned.

Question 1

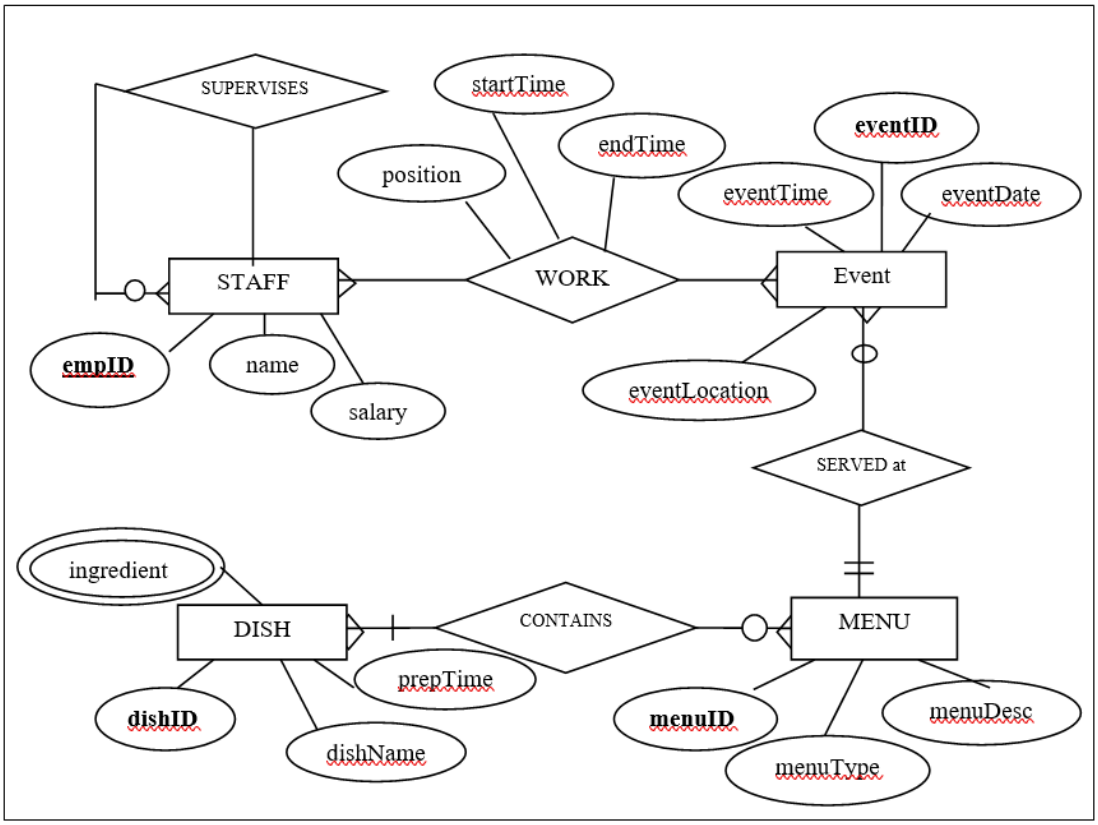
Transform Question 2 assignment 1, the ER model EMI Music Company to relational.

Question 2



Question 3

Analyse the ERD below and perform the mapping process into a set of relation.



Question 4

The table shown below lists the invoice data for Cavenzi Furniture Company. Given the primary key of the table is {OrderID, ProductID}.

OrderID	Order Date	CustID	Cust Name	Cust Address	Product ID	Product Desc	Product Price	Ordered Quantity
1006	10/11/2016	0002	Kelvin Ng	Sg. Chua, Kajang	7	Dining Table	800.00	1
1006	10/11/2016	0002	Kelvin Ng	Sg. Chua, Kajang	5	Single Bed	400.00	2
1006	10/11/2016	0002	Kelvin Ng	Sg. Chua, Kajang	8	Computer Desk	550.00	1
1007	11/11/2016	0006	Adriana	Samudra, Bangi	11	4-Dr Dresser	1200.00	1
1007	11/11/2016	0006	Adriana	Samudra, Bangi	8	Computer Desk	550.00	1

You are required to create a set of normalized 3NF tables. Show each step of the normalization process.

Question 5

For the following user view, you are required to create a set of normalized 3NF tables. Show each step of the normalization process.

UNIVERSITI PUTRA MALAYSIA
CLASS GRADE REPORT
SEMESTER II 2024/2025

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