DBMS PROJECT

Group members:

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PROBLEM STATEMENT:

Create a database management system that can handle online mobile shopping transactions with ease and efficiency. The system should be able to store customer information, product details and payment information securely.

This would be a kind of an online-shop database, specialized for cell phones and accessories.

The products sold will be different models of cellphones.

The users should be registered in the system, thus should have a separate table for them.
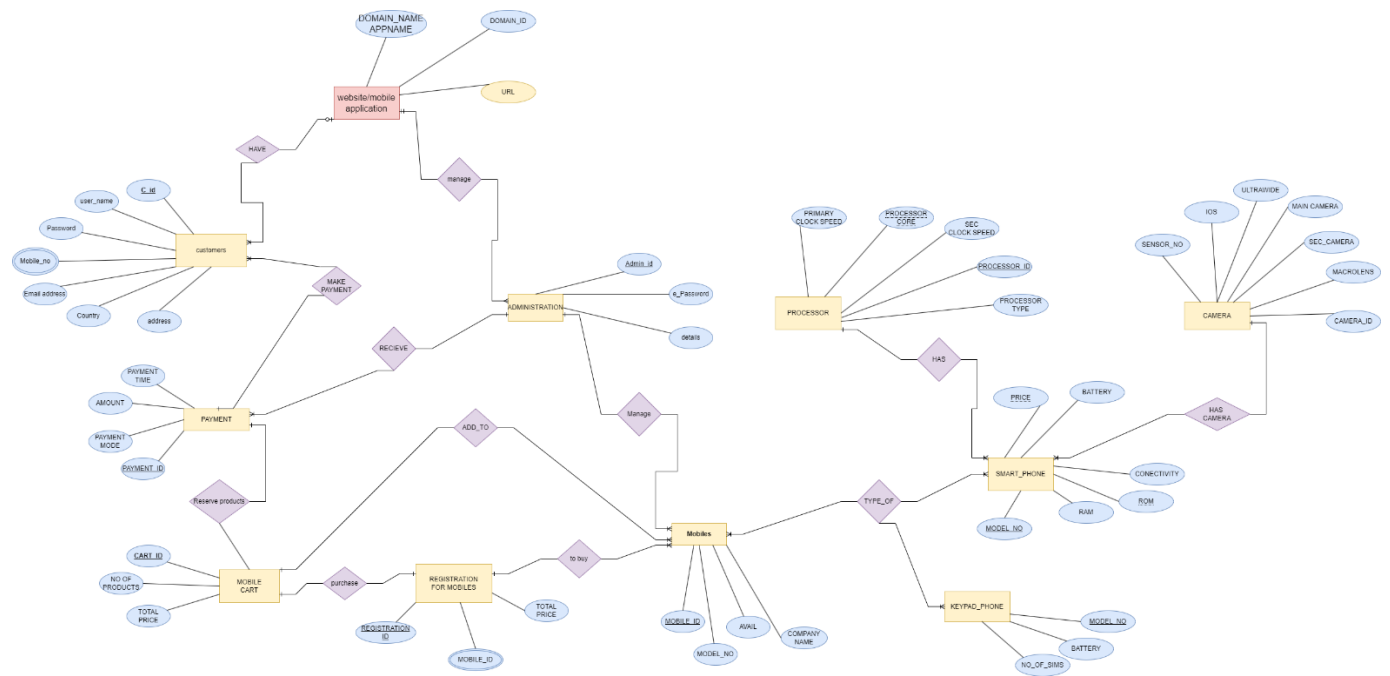
Some more tables:

User data: Name, surname, date of birth, email, address, phone number etc.

Products: Category, model, color, name, ear, brand, items available and others.

Product specs: CPU, screen, battery, RAM memory, internal storage etc.

ER MODEL:

ENTITY RELATIONSHIP MODEL:

APP

PK	APP_NAME
	DOMAIN_ID
	WEBSITE_URL
FK1	ADMIN_ID
FK2	CUSTOMER_ID

Customers

PK	customer_id int NOT NULL
	USER_NAME
	PASSWORD
	MOBILE_NO
	EMAIL_ID
	COUNTRY
	ADDRESS
FK1	CART_ID
FK2	REGISTRATION_ID

MAKE_PAYMENT

PK	CUSTOMER_ID
PK	PAYMENT_ID

ADMINISTRATION

PK	ADMIN_ID
	ADMIN_PASS
	DETAILS

PAYMENT

PK	PAYMENT_ID
	AMOUNT
	PAYMENT_MODE
	PAYMENT_TIME
	PAYMENT_TIME
FK	ADMIN_ID

MOBILE_CART

PK	CART_ID
	NO_OF_PRODUCTS
	TOTAL PRICE

PROCESSOR

PK	PROCESSOR_ID
	PROCESSOR_CORE
	PRIMARY_CLOCK SPEED
	SECONDARY CLOCK SPEED
	PROCESSOR TYPE

REGISTRATION FOR MOBILE

PK	REGISTRATION_ID
	MOBILE_ID'S(MULTI)
	TOTAL _PRICE
FK	CART_ID

MOBILES

PK	MOBILE_ID
FK1	SMART_MODEL_NO
	AVAIL
	COMPANY_NAME
FK2	KEYPAD_MODEL_NO

SMART_PHONE

PK	SMART_MODEL_NO
	RAM
	ROM
	BATTERY
	CONECTIVITY
	PRICE
FK1	PROCESSOR_ID
FK2	CAMERA_ID

CAMERA

PK	CAMERA_ID
	SENSOR_NO
	ULTRAWIDE
	SECONDARY CAMERA
	PRIMARY CAMERA
	MACRO_LENS
	IOS

KEYPAD_PHONE

PK	KEYPAD_MODEL_NO
	BATTERY
	NO_OF_SIMS
	MUSIC_PLAYER