

IT-214-DL4

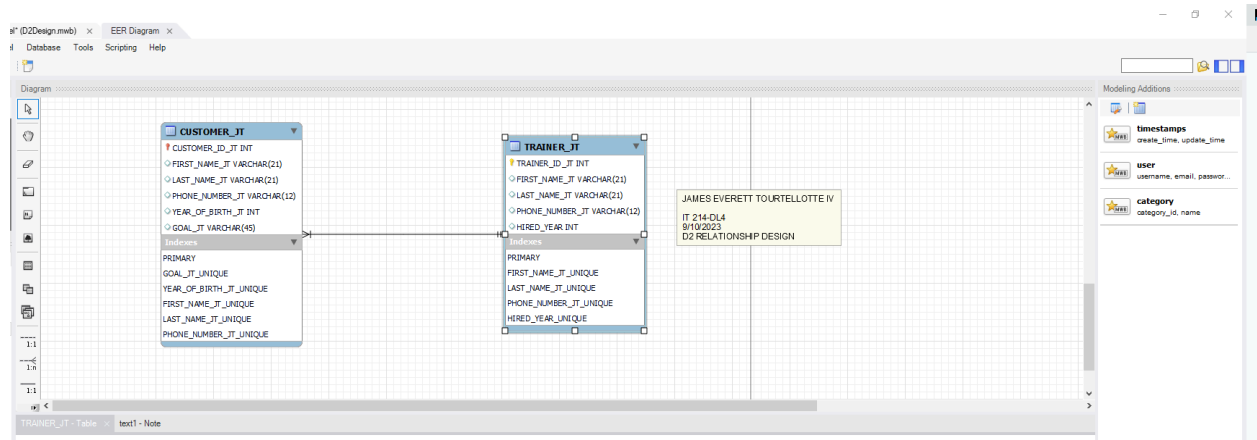
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DATABASE DESIGN FOR FITNESS TRAINERS

The following is a database design that contains the necessary and relevant information in regards to a relationship between customers and trainers. The database displays multiple tables that contain attributes such as their respective names, phone numbers, and special ID's. This database is simple in nature and has its parts below outlined via screenshot.

Screenshot 1, Relationship Diagram



Screenshot 2, Customer Table:

The screenshot shows the properties window for the **CUSTOMER_JT** table in the **mydb** schema. The table name is **CUSTOMER_JT**. The columns are listed in a table with checkboxes for various attributes:

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
CUSTOMER_ID_JT	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FIRST_NAME_JT	VARCHAR(21)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LAST_NAME_JT	VARCHAR(21)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PHONE_NUMBER_JT	VARCHAR(12)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
YEAR_OF_BIRTH_JT	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
GOAL_JT	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Below the table, there are fields for **Column Name**, **Charset/Collation** (Default Charset, Default Collation), and **Comments**. On the right, there are options for **Data Type**, **Default**, and **Storage** (Virtual, Stored, Primary Key, Not Null, Unique, Binary, Unsigned, Zero Fill, Auto Increment, Generated). The bottom of the window shows tabs for **Columns**, **Indexes**, **Foreign Keys**, **Triggers**, **Partitioning**, **Options**, **Inserts**, and **Privileges**. The Windows taskbar at the bottom shows the date and time as 7:26 PM on 9/10/2023.

Screenshot 3, Trainer Table:

The screenshot shows the properties window for the **TRAINER_JT** table in the **mydb** schema. The table name is **TRAINER_JT**. The columns are listed in a table with checkboxes for various attributes:

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
TRAINER_ID_JT	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FIRST_NAME_JT	VARCHAR(21)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LAST_NAME_JT	VARCHAR(21)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PHONE_NUMBER_JT	VARCHAR(12)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
HIRED_YEAR_JT	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Below the table, there are fields for **Column Name**, **Charset/Collation**, and **Comments**. On the right, there are options for **Data Type**, **Default**, and **Storage** (Virtual, Stored, Primary Key, Not Null, Unique, Binary, Unsigned, Zero Fill, Auto Increment, Generated). The bottom of the window shows tabs for **Columns**, **Indexes**, **Foreign Keys**, **Triggers**, **Partitioning**, **Options**, **Inserts**, and **Privileges**. The Windows taskbar at the bottom shows the date and time as 7:26 PM on 9/10/2023.

