CPSC 50900 - Database Project Part 2

https://github.com/Dhruvnayee/Project-databasesystem.git

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Part 2: Data Entities, Attributes, and Files

An entity is a significant component of business. Think about different subject areas of business that are worth tracking in a database.

For this assignment you will identify at least 5 entities and their attributes (at least 3 attributes per entity), and describe these entities in your **report** along with their data types using a table. Your report should contain the following details:

1. List 5 entities and provide a short description of each to identify what they are. For example:

    Argles – the main product of the business. Tracking a,b,c,d, and e..

    Dibbles – people who make argles. Tracking f, g, h, i, and j.

    Your descriptions must be more business-specific.

2. Create 5 simple tables describing your entities, their attributes, and the data type of each attribute. For example:

Product Info	
Product Detail	varChar[20]
Quantity	Integer
Cost	Float

In this case, the product info is the entity, the items in the left column are the attributes, and the data types are in the right column. You will create one table per entity in your design for a total of 5 tables.

3. Create .CSV files for your entities and attributes. Each entity should have its own file. That means you will end up with 5 CSV files. Each file should also have 3 records that are specific examples of that entity. Save these files to your github.

4. Repeat step 3, but format the files in XML. That means you will have 5 files with 3 records each that populate at least 3 attributes per record using XML tags. You can define the tags any way you choose, but you must use the XML style. Save these files to your github.

For my business, I will have the following entities:

1. Store Info – Describes the Store Id, Store name, Contact number and Location
2. Customer Info – Describes the Customer Id, Customer name, Phone Number and address
3. Employee Info – Describes the Employee Id, Employee name, gender, Employee Hire date, salary and Job title
4. Product Info- Describes Product Id, Name, Availability,Quantity and Price
5. Payment Info– Describes Payment Id, Payment Date, Cost and Payment Mode

Then I would show 5 charts that look like this:

Store Info	
Store_ID	varchar (20)
Store_Name	varchar (50)
Contact_number	Int

Customer Info	
Customer_Id	Int
Customer_Name	varchar (50)
PhoneNumber	Int

Employee Info	
Employee_Id	Int
Employee_Name	varchar(25)
Employee_Hire_Date	Date

Product Info	
Product_Id	Int
Name	varchar(50)
Availability	varchar(3)

Payment info	
Payment_Id	Int
Payment_Date	Date
Cost	Float