**Project Name: Blue Waters**

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**Database systems-CPSC-50900-005**

**Assignment: Week 2**

**GitHub link:** [**https://github.com/aliparvez12/Bluewaters.git**](https://github.com/aliparvez12/Bluewaters.git)

**Current Date:11/16/2022**

**1) List 5 entities and provide a short description of each to identify what they are**

1. Water Barbies – The water barbies are the main product of the business.

2. Barbados – The Barbados are the people who makes the water barbies

3. Action Kami – It is the action figure of the Japanese anime character Kami.

4. Kamirs – The Kamirs are the people who makes the action kami.

5. Baby Shark – The baby shark is the action figure of the baby shark.

**2) Create 5 simple tables describing your entities, their attributes, and the data type of each attribute.**

|  |  |
| --- | --- |
| **Product Info** |  |
| Product Detail | varChar[20] |
| Quantity | Integer |
| Cost | Float |

Sample 1:

**Water Barbies**

| Attribute | Data Type |
| --- | --- |
| Name | varChar[20] |
| Quantity | Integer |
| Cost | Float |

Sample 2:

Barbados

| Attribute | Data Type |
| --- | --- |
| Name | varChar[20] |
| Age | Integer |
| Salary | Float |

Sample 3:

Action Kami

| Attribute | Data Type |
| --- | --- |
| Name | varChar[20] |
| Quantity | Integer |
| Cost | Float |

Sample 4:

Kamirs

| Attribute | Data Type |
| --- | --- |
| Name | varChar[20] |
| Age | Integer |
| Salary | Float |

Sample 5:

Baby Shark

| Attribute | Data Type |
| --- | --- |
| Name | varChar[20] |
| Quantity | Integer |
| Cost | Float |

**3) Create CSV File 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 example of that entity. Save these files to your GitHub.**

**Water Barbies**

Name, Quantity, Cost

Water Barbie,100,10.00

Water Barbie,200,20.00

Water Barbie,300,30.00

**Barbados**

Name, Age, Salary

Barbados,20,10000.00

Barbados,30,20000.00

Barbados,40,30000.00

**Action Kami**

Name, Quantity, Cost

Action Kami,100,10.00

Action Kami,200,20.00

Action Kami,300,30.00

**Kamirs**

Name, Age, Salary

Kamirs,20,10000.00

Kamirs,30,20000.00

Kamirs,40,30000.00

**Baby Shark**

Name, Quantity, Cost

Baby Shark,100,10.00

Baby Shark,200,20.00

Baby Shark,300,30.00

**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.**

**Water Barbies**

<WaterBarbies>

<WaterBarbie>

<Name>Water Barbie</Name>

<Quantity>100</Quantity>

<Cost>10.00</Cost>

</WaterBarbie>

<WaterBarbie>

<Name>Water Barbie</Name>

<Quantity>200</Quantity>

<Cost>20.00</Cost>

</WaterBarbie>

<WaterBarbie>

<Name>Water Barbie</Name>

<Quantity>300</Quantity>

<Cost>30.00</Cost>

</WaterBarbie>

</WaterBarbies>

**Barbados**

<Barbados>

<Barbado>

<Name>Barbados</Name>

<Age>20</Age>

<Salary>10000.00</Salary>

</Barbado>

<Barbado>

<Name>Barbados</Name>

<Age>30</Age>

<Salary>20000.00</Salary>

</Barbado>

<Barbado>

<Name>Barbados</Name>

<Age>40</Age>

<Salary>30000.00</Salary>

</Barbado>

</Barbados>

**Action Kami**

<ActionKamis>

<ActionKami>

<Name>Action Kami</Name>

<Quantity>100</Quantity>

<Cost>10.00</Cost>

</ActionKami>

<ActionKami>

<Name>Action Kami</Name>

<Quantity>200</Quantity>

<Cost>20.00</Cost>

</ActionKami>

<ActionKami>

<Name>Action Kami</Name>

<Quantity>300</Quantity>

<Cost>30.00</Cost>

</ActionKami>

</ActionKamis>

**Kamirs**

<Kamirs>

<Kamir>

<Name>Kamirs</Name>

<Age>20</Age>

<Salary>10000.00</Salary>

</Kamir>

<Kamir>

<Name>Kamirs</Name>

<Age>30</Age>

<Salary>20000.00</Salary>

</Kamir>

<Kamir>

<Name>Kamirs</Name>

<Age>40</Age>

<Salary>30000.00</Salary>

</Kamir>

</Kamirs>

**Baby Shark**

<BabySharks>

<BabyShark>

<Name>Baby Shark</Name>

<Quantity>100</Quantity>

<Cost>10.00</Cost>

</BabyShark>

<BabyShark>

<Name>Baby Shark</Name>

<Quantity>200</Quantity>

<Cost>20.00</Cost>

</BabyShark>

<BabyShark>

<Name>Baby Shark</Name>

<Quantity>300</Quantity>

<Cost>30.00</Cost>

</BabyShark>

</BabySharks>