	Assignment No. 01	**Total Marks: 20**
Virtual University	**SEMESTER Spring 2022**	
	CS403- Database Management System	**Due Date: 9/06/2022**

Instructions

Please read the following instructions carefully before solving & submitting assignment:

It should be clear that your assignment will not get any credit if:
The assignment is submitted after due date.
The submitted assignment does not open or file corrupt.
The assignment is full or partially copied from (other student or ditto copy from handouts or internet).
Student ID is not mentioned in the assignment File or name of file is other than student ID.
The assignment is not submitted in **.doc** or **.docx** format.

Uploading instructions

Your submission must include:

Assignment should be in **.doc** or **.docx** format.
Save your assignment with your ID (e.g. bx020200786.doc).
Assignment submission through email is **NOT** acceptable.

Objectives

The objective of this assignment is:
To be able to understand basic concepts of Database.
Conceptual Database Design and Entity Relationship Diagram (ERD).

Note:

Your answer must follow the below-given specifications.
Font style: "Times New Roman"
Font color: "Black"
Font size: "12"
Bold for heading only.
Font in *Italic* is not allowed at all.
No formatting or bullets are allowed to use.
Your answer should be precise and to the point, avoid irrelevant detail.

Lectures Covered: This assignment covers Lectures: 1 to 10

Deadline
Your assignment must be uploaded/submitted at or before: 9/06/2022

Question Statement:

Suppose you are required to model an "E-Furniture Store" system for an organization to get complete understanding of the domain. This E-Furniture system provides the distribution of furniture to all over the country.

System's requirements in textual format is given below in paragraphs.
The system will display the available items types such as sofa_set, chairs, bed_set etc along with their respective item images, names, prices, number of items available in stock and related description.

Anyone can view available items however only clients (registered individual users or distributor) can interact with website. Clients will be able to purchase items available on website, they can also place a customized order for items with their own choice of materials, fabrics, description, wood type, number of items etc. Clients can also specify required completion data for customized order. Clients will also be able to view and download the invoice.
Manger can view order details and can process the orders. He/She can also generate invoice. Manager also wants to keep record of available stock.
Manager can allocate customized order to carpenters and can view allocated order details. Carpenters will be able to view allocated customized order detail, they can also update the status of the order.

You are required to perform the following tasks according to the above scenario.

Identify all valid Entities.
Draw the Entity Relationship Diagram (ERD).
Draw relationship cardinalities in alphabetical notation.

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For any query about the assignment, contact at CS403@vu.edu.pk

GOOD LUCK