

Computer Science Department
University of Computer & Emerging Sciences (FAST-NU)

HOME WORK ASSIGNMENT COVER SHEET

COURSE TITLE	DATABASE SYSTEMS		COURSE CODE	CS219	
INSTRUCTORS	Teaching Team	TYPE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	(Please tick)
			Indiv.	Group	
ASSIGNMENT NO	HW-1 (Class)				
ASSIGNMENT	Chart of Accounts				
HAND OUT DATE	03-April-2021		DUE DATE	14-APR-2021	
ESTIMATE TIME	8 Hours				

ASSESSMENT CRITERIA (or attached)	% Mark
Questions are attached (print copy) This HW includes the following tasks (Total Marks 5) Relational Model Tables Relational Model with Keys and Constraints Sample datasets Submission: Only soft copy in pdf is required. Any mistake or missing material will lead to the reduction of 5% marks. Group of max 3 students is allowed, individual work is discouraged with 10% deduction Cross Section Groups are not allowed.	

TO BE COMPLETED BY STUDENT (TEAM LEAD)	GROUP MEMBERS ID						
NAME _____	<table><tr><td>ID</td><td>Sec#</td></tr><tr><td>ID</td><td>Sec#</td></tr><tr><td>ID</td><td>Sec#</td></tr></table>	ID	Sec#	ID	Sec#	ID	Sec#
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ID NO _____ Section# _____							
Time Taken _____							
DECLARATION: We declare that this Coursework is our group's own work							
SIGNATURES (All members)							

GRADE/ MARK AWARDED	<input type="checkbox"/>	COMMENTS	_____

INSTRUCTOR'S SIGNATURE		_____	DATE

Detailed Explanation of the Assignment:

<https://drive.google.com/file/d/1Zs4ZoDNPm293iZDDimUINPwOKvNfzTFh/view>

The video is also uploaded on our class room. Please scroll the wall to search for it.

Brief:

Chart of Accounts is an important accounting ledger. This records the amount of major heads

It contains accounts such as Assets --> checking and saving

Expenses heads are Electricity, Groceries, Phone, Rent

Taxes-->Federal, Healthcare and Provincial

Income has subhead salary

If organization is Sale and Manufacturing then there is need to create heads Sales and Manufacturing. Under such heads amounts are spent in manufacturing and earning is managed using Sale.

Prepare chart of accounts with appropriate heads and sub-heads

Prepare supporting tables (child tables) where transactions are stored. Each head contains derived values from supporting tables. Organization has to mention accumulated amounts in chart of accounts heads

Need to show around 100 records of datasets of all supporting tables (child tables) through which chart of accounts contain all accumulated amounts.

Organization or enterprise wants to see how much electric bills are paid, how much has been spent for manufacturing and how much other expenses are done. Similarly, how much sale has been done? All such amounts should come from your proposed transactional supporting tables. You need to indicate all possible keys and relationships with possible attributes. Additional constraints are also need to be applied with the help of commands.

In your submission, you can identify which type or enterprise you have chosen and how you produce dataset.

Submissions:

1-Describe scenario of an organization

2-Tables structures with all possible columns, keys and constraints

3-Tables' Dataset

A sample chart of accounts can be as follows

Name	Type	Balance
1000 - Petty Cash	Cash Account	0.00
1010 - Checking	Bank	0.00
1100 - Savings	Bank	0.00
1200 - Accounts Receivable	Accounts Receivable	0.00
1230 - Prepaid Expenses	Other Current Asset	0.00
1300 - Inventory of Items for Sale	Inventory Asset	0.00
1425 - Office Furniture & Fixtures	Fixed Asset	0.00
1435 - Vehicles	Fixed Asset	0.00
1480 - Accumulated depreciation - Other	Fixed Asset	0.00
1810 - Deposits, Long-term	Other Asset	0.00
2000 - Accounts Payable	Accounts Payable	0.00
2010 - Pending Item Receipts	Current Liability	0.00
2050 - Sales Tax Payable	Current Liability	0.00
2070 - Accrued Interest Payable	Current Liability	0.00
2090 - Customer Deposits	Current Liability	0.00
2095 - Current Portion Long-Term Debt	Current Liability	0.00
2210 - Payroll Liability: FUTA	Current Liability	0.00
2215 - Payroll Liability: State, Local	Current Liability	0.00
2220 - Payroll Liability: SUTA	Current Liability	0.00
2310 - Credit Card	Credit Card/Line of Credit	0.00
2110 - Employee Payroll Liabilities	Payroll Liability	0.00
2600 - Long-Term Notes Payable - Other	Long-term Liability	0.00
2610 - Less Current Portion Long-Term Debt	Long-term Liability	0.00
3000 - Owner's Equity - Other	Equity	0.00
3180 - Contributions by Owner	Equity	0.00
3190 - Distributions to Owner	Equity	0.00