

Database Project Implementation and Rubric

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Due Wednesday by 11:59pm **Points** 300 **Submitting** a file upload
Available Mar 28 at 12am - Apr 30 at 11:59pm about 1 month

As described in Module 4, this assignment is due April 22nd, 2020. Below is the same description posted in Module 4. This is just the item you will upload your finished product to.

Note, for every 24 hours this is late, 10% of the grade will be deducted!

You will design, develop, test and deploy a relational model database with a minimum of 5 tables and have a minimum of 5 rows of data in each table. You must also have at minimum one relation between tables in the database. Load all tables in a non-default schema. Apply a security model to the database as well.

Components/Deliverables

1. Conceptual/Logical Model.
2. DDL scripts to create the database, tables and relations.
3. DML scripts to load the data.
4. Test Scripts to unit test the database.
5. Queries that show all the data.
6. Queries that show all the relations.
7. One or more view creation scripts.
8. A query that uses a view.
9. One or more stored procedures.
10. Optionally a User Defined Function.
11. Create a non-default schema.
12. Describe the Security model (put this in a document).
13. Scripts to implement the security model.
14. Scripts to test the security model.

Some Rubric

Criteria	Ratings			Pts
minimum of 5 tables	30.0 pts Full Marks All 5 tables provided	18.0 pts Less than 5 tables but more than 2	0.0 pts No Marks 2 or less tales provided	30.0 pts
minimum of 5 rows in each table	30.0 pts Full Marks 5 rows of data in all tables	18.0 pts 5 rows in less than 5 tables but more than 2	0.0 pts No Marks 2 or less tables have 5 rows in them	30.0 pts
Relations between tables	20.0 pts Full Marks 3 or more tables have relations correctly described and marked.		0.0 pts No Marks No tables have any relations	20.0 pts
Tables are loaded in a non-default schema	10.0 pts Full Marks Tables are in a non-default schema	0.0 pts No Marks Tables are in the default schema		10.0 pts
A security model is defined and described	10.0 pts Full Marks	0.0 pts No Marks		10.0 pts
Conceptual/Logical Model. An er diagram is provided that shows the high level model of the database	20.0 pts Full Marks	0.0 pts No Marks		20.0 pts
DDL scripts to create the database, tables and relations.	50.0 pts Full Marks All DDL scripts are	30.0 pts Some DDL Scripts are complete	0.0 pts No Marks	50.0 pts

Criteria	Ratings			Pts
	complete without error			
DML scripts to load the data.	25.0 pts Full Marks All Tables have dml scripts to load 5 rows of data.	15.0 pts Some Tables have DML scripts to load 5 rows of data	0.0 pts No Marks	25.0 pts
Test Scripts to unit test the database. Use tSQLt or some other tool to do this	10.0 pts Full Marks	0.0 pts No Marks		10.0 pts
Queries that show all the data	20.0 pts Full Marks	0.0 pts No Marks		20.0 pts
Queries that show all the relations.	20.0 pts Full Marks	0.0 pts No Marks		20.0 pts
One or more view creation scripts	10.0 pts Full Marks	0.0 pts No Marks		10.0 pts
A query that uses a view.	10.0 pts Full Marks	0.0 pts No Marks		10.0 pts
One or more stored procedures.	10.0 pts Full Marks	0.0 pts No Marks		10.0 pts
Create a non-default schema.	10.0 pts Full Marks	0.0 pts No Marks		10.0 pts
Scripts to implement the security model.	10.0 pts Full Marks	0.0 pts No Marks		10.0 pts

Criteria	Ratings		Pts
Scripts to test the security model.	5.0 pts Full Marks	0.0 pts No Marks	5.0 pts
			Total Points: 300.0