

GROUP :

Project Name :

Demonstration of Project Functionality	Project demonstration is under the expected level. Lot of bugs and issues were there. Business logic seems contradictory to the given scenario.	Demonstration of the projects is acceptable. But there were few issues in demonstration. Business logic is partially aligned with the given scenario.	Good demonstration of project functionalities with no issues. But communication and flow of the demonstration can be improved more. Business logic is aligned with the given scenario.	Very good demonstration of project with good flow and communication and without issues. Business logic is aligned with the given scenario.
Database Design (Database Schema)	Either database design is not acceptable or has major issues in naming conventions, use of appropriate data types and constraints AND Cascading constraints are not used where necessary or inappropriate use of cascading constraints.	Database design is acceptable with some issues in naming conventions, data types and constraints OR Cascading constraints are not used where necessary or inappropriate use of cascading constraints.	Database design is acceptable with a few issues in conventions, data types and constraints. Cascading constraints are used appropriately in many occurrences. However, more improvements can be made to the overall design of the schema.	Database design is acceptable and there were no issues in naming conventions, data types, constraints and cascading constraints.
Access Control and Database Security	Role based access control mechanism was not implemented. AND Critical functionalities of the database were not secured.	Role based access control was not implemented. OR Critical functionalities of the database were not secured in data layer using permissions on database schema.	Role based access control was implemented. However, no access rights on data layer (tables, schemas, columns) were considered.	Role based access control was implemented and proper access privileges were granted in data layer for different users/user roles.
Implementation of SQL Queries	Only simple CRUD operations were implemented. Effort in database querying is not acceptable and queries were insufficient to implement the business logic.	Fair effort has been put on database querying. But queries can implement the business case, but more improvements can be made.	SQL queries were sufficient to implement the business logic. But no measures have been taken to secure the database queries from SQL injection.	SQL queries were sufficient to implement the business logic and all the queries were secured from SQL injection.
Implementation of ACID Properties	No measures/steps were implemented to secure the ACID properties of the database.	Some implementations were there to secure the ACID properties. But they had neglected many places where such security was mandatory.	Proper implementation of ACID properties where necessary was found. But all the implementations were on the business logic layer. (Using a programming language)	Proper implementation of ACID properties where necessary was found. All the implementations were on the data layer.

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Implementation of Advance Database Features	No advance database features were implemented.	Some advance database features were implemented, but some of them are not necessary.	Some advanced database features were implemented where necessary. But more improvements have to be made.	Acceptable number of advanced database features implemented where necessary.
Indexing	No indices were used OR Some indices were implemented unnecessarily OR Cannot defend the reason for using/not using indexing in such places.		Students were able to defend the reason for using/not using indices in the database.	
Views	Students do not have a clear idea on where to use views and where not to use OR Students have implemented some views unnecessarily OR Students were not able to defend the reason for not implementing views.		Views were implemented appropriately. AND Students were able to defend the reason for using/not using views in such occasions.	
Normalizing, De-Normalizing and Optimization Techniques	Implementations of normalization, de-normalization and optimization techniques are unacceptable.	Students had implemented some normalization techniques and some optimization techniques. But more improvements can be made.	Students have implemented/put justifiable effort on these techniques. But there were issues when defending the reasons for implementing/not implementing such techniques.	Students had put justifiable effort on implementation of these techniques and they were able to defend.
Use of Procedures, Functions and Triggers	No implementations of procedures, functions and triggers were there.	Some of the given features were implemented. However, more improvements have to be made.	All of the given features were implemented. But issues were there when defending the implementations.	All of the given features were implemented and successfully defended the reasons behind the implementations.
Performance Tuning	Performance tuning methods were not implemented or used. OR No evidence were given to back up the performance tuning processes.		Performance tuning methods were implemented or used with given evidence.	
Overall Contribution of Members (Suggested by Team Members)	Member 1	Member 2	Member 3	Member 4
	Percentage	Percentage	Percentage	Percentage
	Student ID	Student ID	Student ID	Student ID

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Individual Evaluations

Student ID: _____

Criteria	Marks	Remarks
Student had an idea about the overall project. (Ask some arbitrary questions from the given scenario) (Out of 4)		
Student was able to complete the query to a given problem. (Out of 8)		
Student was able to describe a given functionality from application layer to the data layer. (Out of 8)		
Student had given fair contribution to the project (Out of 100%)		

Final Marks = (Group mark + Individual mark) x Student Contribution
(Out of 30) (Out of 20) (Out of 100%)

Evaluator