

Group Number: [TEAM_14]

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Topic: [E Learning Management Systems]

GitHub Link: <https://github.com/SudWay/DMDD-E-Learning-Management-Systems>

What's Included:

Object Type	Quantity or Yes/No	Comments
Tables	14	All the Tables in ER, and 2 extra tables, 1 for auditing and 1 for Encrypted record storage.
Views	4	View the top 3 students performed in the quiz for each content or any specific content. View the average rating of all courses. View the Number of Registration and Number of Certificate completed for that Course. View the Number of contents for the Course.
Table Level Check Constraint	4	To check ACCOUNT TYPE. To check TOTAL MARKS. To check MINIMUM MARKS. To check RATING.
Computed Column based on UDF	2	Password Column in USER_ACCOUNT_ENCRYPTED ContactNo in USER_ACCOUNT
Non-Clustered Indexes	3	USER_ACCOUNT_INDEX REGISTRATION_INDEX CERTIFICATE_INDEX
Stored Procedures	5	Stored Procedure to INSERT USER. Stored Procedure to Find the Max Score obtained given the QuizId.

		<p>Stored Procedure for Given the Instructor get the Course and Learner details.</p> <p>Stored Procedure for Getting Registration Details of a Learner</p> <p>Stored Procedure to Check whether given the LearnerId if Learner has unpass a Quiz</p>
User Defined Functions (UDF)	3	<p>UDF to ENCRYPT Password</p> <p>UDF to DECRYPT Password</p> <p>UDF to get the Admin Role given the Admin ID</p>
DML Triggers	2	<p>Trigger to insert data in USER_ACCOUNT_ENCRYPTED with inserting the encrypted password</p> <p>Trigger to enter data in AUDIT table after updating the contact for USER</p>
Column Data Encryption	1	EncryptedPassword Column in USER_ACCOUNT_ENCRYPTED table.
BI Data Visualization	Yes	A Dashboard is created for getting more insights related to the Courses, Field of Study, Fees, etc
GUI for CRUD Operations (optional)	Yes	GUI created for performing CRUD operations on the USER_ACCOUNT table.