PRACTICAL : 5

Aim: Documentation of Data Dictionary.

Description:

Data management describes the persistent data stored by the system and the data management infrastructure required for it. The system will use the MySQL database engine for storing data. This will allow the database to be easily integrated with and accessed by the rest of the system. The database will retain user information (IdNo, name, email address, etc.), event postings and configuration data such as authorized administrator and department. Each of these items will be a separate table. An individual could not have more than one user account.

Data Dictionary For Online Examination System

Table: Student
Purpose: To store Student details.

Field Name	Data Type	Constraints/Description
StudentID	Unsigned Integer	Primary Key, AutoIncrement
studentName	Varchar2	
loginID	Varchar2	
password	Varchar2	

Table: Questions
Purpose: To store Questions.

Field Name	Data Type	Description
ID	Unsigned Integer	Primary Key, AutoIncrement
TestID	Number	Foreign:Test.ID
question	Varchar2	
option1	Varchar2	atleast two choices are required, hence this field is required
option2	Varchar2	atleast two choices are required, hence this field is required
option3	Varchar2	
option4	Varchar2	
answer	Unsigned Integer	
userAnswer	Varchar2	

Table: User
Purpose: To store candidates appear for the exam.

Field Name	Data Type	Description
UserID	Unsigned Integer	Primary Key, AutoIncrement
UserName	Varchar2	Name of the user
Password	varchar	User password
ExamCode	varchar	Exam course code

Table: Exam info
Purpose: To store exam details.

Field Name	Data Type	Description
ExamCode	varchar	Primary Key, AutoIncrement
ExamName	varchar	Exam name
Date	varchar	Date for the exam
Hours	Small int	Duration in hours
minute	Small int	Duration in minutes
No_question	int	Number of questions

Table: TestSession
Purpose: To store at which time the exam is taken.

Field Name	Data Type	Description
ID	Unsigned Integer	Primary Key, AutoIncrement
testID	Unsigned Integer	Foreign:Test.ID
studentID	Unsigned Integer	Foreign:Student.ID
testTakenOn	Date/Time	field required

Table: Department
Purpose: To store department details.

Field Name	Data Type	Description
DepCode	Unsigned Integer	Primary Key, AutoIncrement
facultyName	Varchar2	
Department name	Varchar2	