Project Synopsis
On
Student's Training and Evaluation System

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Project Guide
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Contents

1.Introduction

1.1 About the project

- This project is titled as Student's Training and Evaluation System.
- It is basically an education system which facilitates the student for e-learning and evaluate themselves by giving exams.

Now a day the concept of e learning is widely spread. Students are enrolled in different courses and from a distance they are learning without going to any physical destination. So there would be a system through which students can learn different courses apart from their institutional study as per their interest and evaluate themselves by giving online exams.

1.2 Scope

- This system is to be used as an education system for e learning where students from distance places they can learn the courses and also evaluate themselves by the evaluation report provided by the system.
- This application will perform the following task-
  1. It will provide study materials to the students.
  2. It will conduct the exams.
  3. It will generate the evaluation report of the student based on his/her performance.

2. Objectives

- To facilitate the students that they can learn without the need of going to any physical destination and can evaluate themselves by giving exams.
- To provide online training and evaluation system to the students.

3. System Requirement

3.1 Hardware Requirement(s)

i. 1 GB RAM (for effective working)

ii. Dual Core Processor (for effective working)

3.2 Software Requirement(s)

i. Windows 7/8/10

ii. Sublime Text Editor 3

iii. FRONT END : PHP

iv. BACK END : MySQL Server

4. System Modules

The System is mainly divided into three modules.

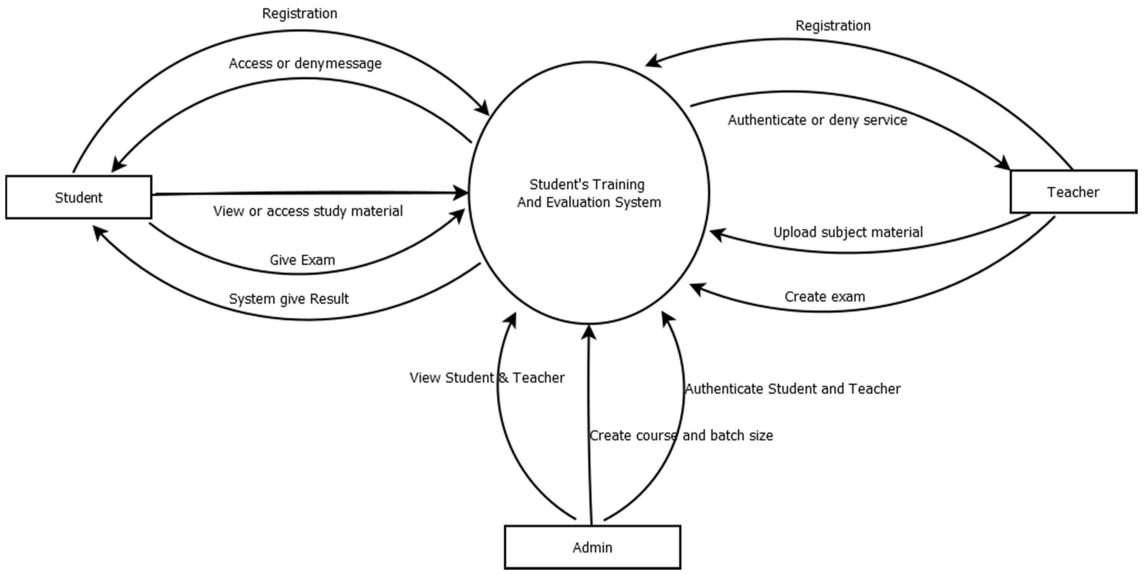
1. Admin:
    - In this module admin will authenticate the teacher and manage the different courses.

2. Teacher
    - In this module teachers will manages their study materials and create exams.

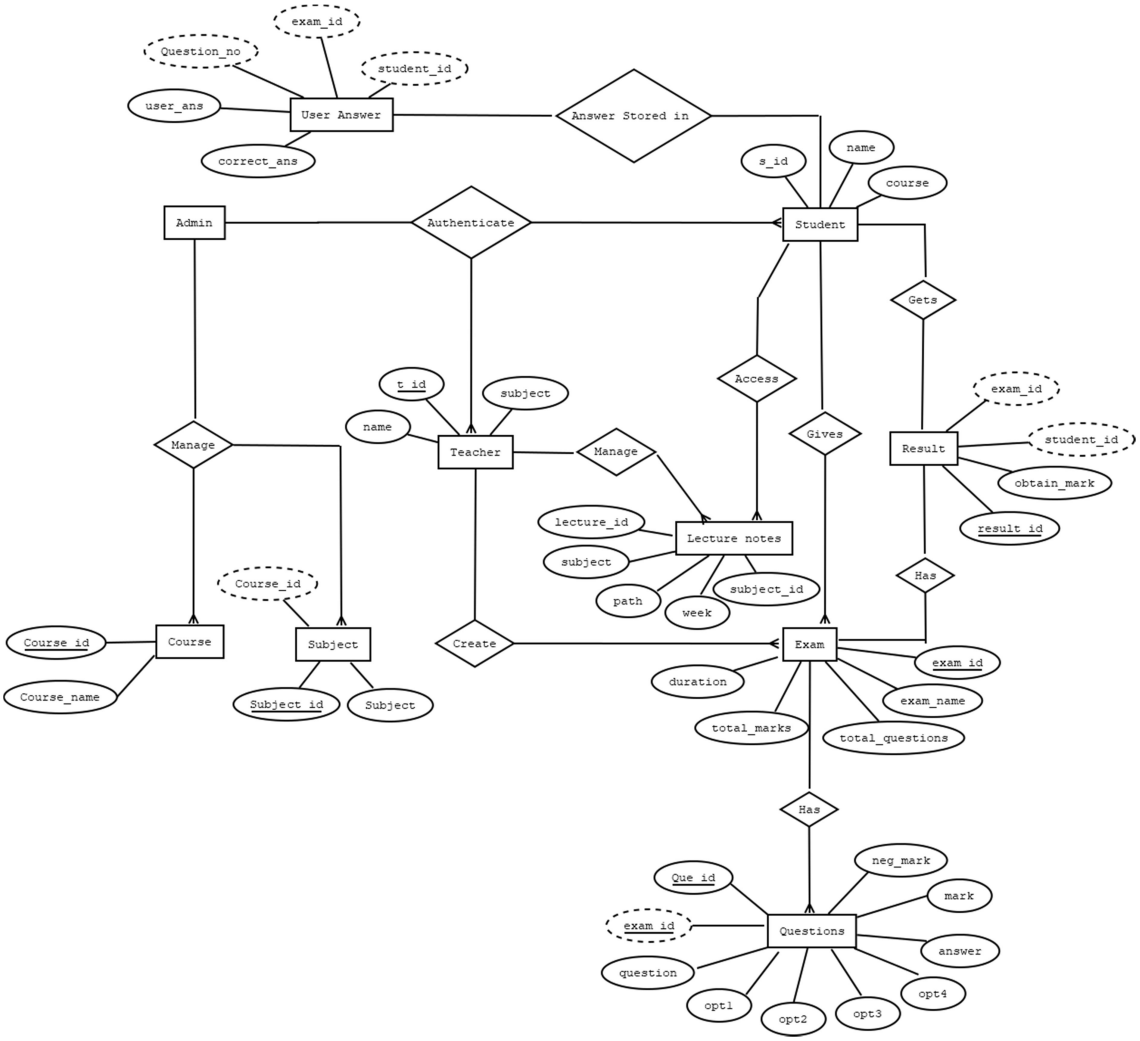
3. Student
    - In this module student will access study materials of different subjects according the courses enrolled by them.
    - Student can give exams and get the report of the exam.

5.Data Flow Diagram

5.1 Context Level DFD :



6.ER-Diagram


exam_id
Question_no
student_id
user_ans
User Answer
Answer Stored in
correct_ans
s_id
name
course
Admin
Authenticate
Student
Gets
Access
t_id
subject
exam_id
name
Teacher
Manage
Gives
Result
student_id
obtain_mark
Manage
lecture_id
Lecture notes
result_id
subject
Has
path
week
subject_id
Course_id
Course id
Course
Subject
Create
Exam
exam id
duration
exam_name
Course_name
Subject id
Subject
total_marks
total_questions
Has
neg_mark
Que id
mark
exam id
Questions
answer
question
opt4
opt1
opt2
opt3

7.Data Dictionary

Table 1: Teacher

Sr no.	Field	Data Type	Length	Description
1	T_ID	int	50	Teacher Identification
2	Name	varchar	50	Teacher name
3	Email	varchar	50	Teacher's Email_id
4	Gender	Varchar	20	Gender of teacher
5	Birthdate	Date		Teacher's birthdate
6	Contact_no	Varchar	10	Teacher's contact number
7	Subject	Varchar	50	Selected subject
8	Password	Varchar	50	Password
9	Status	Int	11	To authenticate teacher

Primary key :T_id

Table 2: Student

Sr no.	Field	Data Type	Length	Description
1	S_ID	int	50	Student Identification
2	Name	varchar	50	Student name
3	Email	varchar	50	Student's Email
4	Gender	Varchar	20	Gender of Student
5	Birthdate	Date		Student's birthdate
6	Contact_no	Varchar	10	Student's contact number
7	Course	Varchar	50	Selected Course
8	Password	Varchar	50	Password
9	Status	Int	11	To authenticate student

Primary key :S_id

Table 3 : Course

Sr. no.	Field	Data Type	Length	Description
1	Course_id	Varchar	50	Course Identification
2	Course_name	Varchar	50	Name of the course

Primary key :Course_id

Table 4 : Subject

Sr. no.	Field	Data Type	Length	Description
1	Subject_id	Varchar	50	subject Identification
2	Course_id	Varchar	50	Course Identification
3	Subject_name	Varchar	50	Name of the Subject

Primary key :Subject_id Foreign key:Course_id

Table 5: Lecture Notes

Sr no.	Field	Data Type	Length	Description
1	Notes_id	Int	02	Notes Identification
2	Path	Varchar	255	Content of lecture note
3	Subject	Varchar	50	Name of subject

Primary key :Notes_id

Table 6: Exam

Sr no.	Field	Data Type	Length	Description
1	Exam_id	Int	10	Exam identification
2	Exam_name	Varchar	10	Name of the exam
3	Total_quest	Float	10	Total number of questions in exam
4	Total_marks	Float	10	Total marks of exam
5	Duration	Int	03	Duration of exam
6	Subject	Varchar	50	Exam's subject
7	Course	Varchar	50	Name of the course

Primary key :Exam_id

Table 7: Question

Sr. no.	Field	Data Type	Length	Description
1	Exam_id	Int	10	Exam identification
2	Question_id	Int	5	Question Identification
3	Question	Varchar	MAX	Question
4	Opt1	Varchar	255	Option1
5	Opt2	Varchar	255	Option2
6	Opt3	Varchar	255	Option3
7	Opt4	Varchar	255	Option4
8	Correct_ans	Varchar	255	Correct answer
9	Mark	Float	10	Mark
10	Neg_mark	Float	10	Negative mark

Primary key : Question_id , Foreign key: Exam_id

Table 8: Result

Sr. no.	Field	Data Type	Length	Description
1	Result_id	Int	10	Result identification
2	Exam_id	Int	10	Exam Identification
3	s_id	varchar	10	User Identification
4	Total_marks	Float	10	Total marks
5	Obtained_marks	Float	10	Marks obtained by student
6	Incorrect_ans	Int	10	Number of incorrect answers
7	Correct_ans	Int	10	Number of correct answers

Primary key : Result_id
Foreign key: Exam_id , s_id

Table 9: UserAnswer

Sr. no.	Field	Data Type	Length	Description
1	Exam_id	Int	10	Exam Identification
2	s_id	varchar	10	User Identification
3	Quest_no	Int	10	Question Identification
4	user_ans	Int	10	Number of incorrect answers
5	Correct_ans	Int	10	Number of correct answers

Primary key : Exam_id ,
Foreign key: S_id, Quest_no