SOFTWARE CONSTRUCTION

(CS-322-SC)

Relational Database Model (RDBM) Document

CASE STUDY # 4

ASSIGNMENT SYSTEM

SUBMITTED TO: Dr. ONAIZA MAQBOOL

GROUP NO. 10
TEAM MEMBERS:

M JUNAID FIDA-04072113048 (LEAD)

SHOAIB UD DIN - 04072113053

M KHALIL AFZAL -04072113031

Version no. 1.0

Logical Database Schema

Student (External Table)

sem_ID (FK)	*std_NAME*	*std_ID*	std_EMAIL	curr_SEMESTER
Char*: 14	Char*: 25	INT: 14	Char*: 15	INT: 1

Teacher (External Table)

sem_ID (FK)	**teacher_NAME**	*teacher_ID*	teacher_EMAIL
Char*:14	Char*: 15	INT: 14	Char*: 15

Course (External Table)

sem_ID (FK)	*crs_NAME*	*crs_ID*	teacher_ID (FK)
Char*: 14	Char*: 25	Char*: 7	INT: 14

Assignment Marks (External Table)

sem_ID (FK)	*crs_ID*	*assgn_ID (FK)*	total_MARKS	obt_MARKS
Char*: 14	Char*: 7	INT: 14	INT:3	Double:5

Schedule

sem_ID (FK)	*sch_ID*	*sch_NAME*	*sch_PATH*	curr_SEMESTER
Char*: 14	INT: 5	Char*: 25	Char*: 30	INT: 1

Uploaded Assignment

sem_ID (FK)	crs_ID (FK)	*uassgn_ID*	*uassgn_NAME*	*uassgn_PATH*
Char*: 14	Char*:25	INT: 5	Char*: 25	Char*: 30

Submitted Assignment

sem_ID (FK)	crs_ID (FK)	*assgn_ID*	*assgn_NAME*	*assgn_PATH*	std_ID (FK)	obt_MARKS(FK)
Char*: 14	Char*:25	INT: 5	Char*: 25	Char*: 30	Char*:14	Double : 5

Course Material

sem_ID (FK)	*crsmt_ID*	*csrmt_NAME*	*csrmt_PATH*	crsmt_DESCRIPTION
Char*: 14	INT:5	Char*: 25	Char*: 30	Char*:30

NOTE: underlined item represents Primary Key. Multiple underlined items represent Composite Primary Key

Product Functions

The assignment system will provide the following functions:

1-) Teachers can upload course material, including lectures and assignments.

2 -) Students registered for a course will be notified when new lectures or assignments are uploaded.

-3 -) Students can view the class schedule, lectures, and assignments for their registered courses.

4 -) Students can submit their assignments within the allocated time.

5 -) Multiple versions of an assignment can be submitted before the deadline.

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