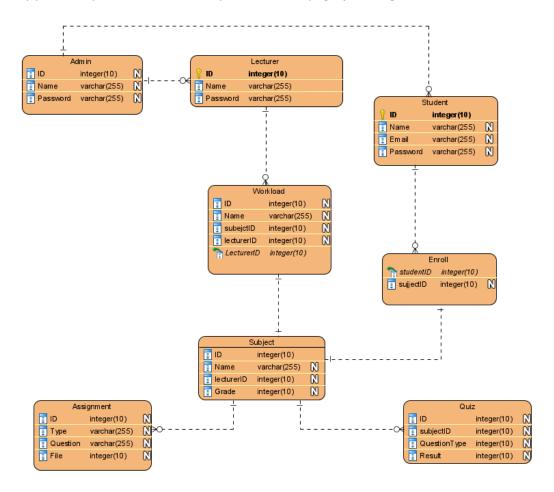
Database Normalization

ERD(first draft)

[Grab your reader's attention with a great quote from the document or use this space to emphasize a key point. To place this text box anywhere on the page, just drag it.]



Admin Entity - 3NF

Lecturer Entity - 3NF

Student Entity - 3NF

Workload Entity - 2NF

Enroll Entity - 2NF

Subject Entity – 2NF

Assignment Entity - 3NF

Quiz Entity – 1NF

Group 17

Hence in this case we will be normalizing:- Workload, Subject, Enroll, Quiz.

3NF

WORKLOAD			
subject_id	lecturer_id		

3NF

SUBJECT			
subject_id subject_name			

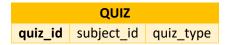
3NF

ENROLL			
student_id	subject_id	lecturer_id	

2NF

QUIZ								
subject_id	subject_name	student_id	lecturer_id	quiz	quiz_answer	assignment	assignment_answer	quiz_marks

3NF



MULTIPLE_QUIZ						
quiz_id	question_form	answer_a	answer_b	answer_c	answer_d	

TF_QUIZ				
quiz_id	question_form	answer		

QUIZ_MARKS			
quiz_id	marks		

ASSIGNMENT				
assignment_id	assignment_desc	assignment_answer		

Summary UNF-3NF

UNF

 QUIZ (admin_name, admin_password, lecturer_name, lecturer_password, student_name, student_email, student_password, subject_name, tasks, marks)

1NF

 QUIZ (admin_id,admin_name, admin_password, lecturer_id, lecturer_name, lecturer_password,student_id, student_name, student_email, student_password, subject_id, subject_name,quiz, quiz_answer, assignment, assignment_answer, quiz_marks, assignment_marks)

2NF

- ADMIN (admin id, admin name, admin password)
- LECTURER (lecturer id, lecturer name, lecturer password)
- STUDENT (student id, student name, student email, student password)
- QUIZ (subject_id, subject_name, student_id, lecturer_id, quiz, quiz_answer, assignment, assignment, answer, quiz_marks)

3NF

- ADMIN (admin id, admin name, admin password)
- LECTURER (lecturer_id, lecturer_name, lecturer_password)
- STUDENT (student_id, student_name, student_email, student_password)
- SUBJECT (subject_id, subject_name)
- WORKLOAD (subject_id, lecturer_id)
- ENROLL (student_id,subject_id)
- QUIZ (quiz id, subject id, quiz type)
- MULTIPLE QUIZ (quiz id, question form, answer)
- TF_QUIZ (quiz_id, question_form, answer_a, answer_b, answer_c, answer_d)
- QUIZ_MARKS (quiz_id, marks)
- ASSIGNMENT (assignment id, assignment desc, assignment answer)

ERD 2nd DRAFT

