

Examination System Requirements

Construct an automated system that can perform online exams and build SQL database for such system.

Requirements:

- ERD & backup
- Desktop Application
- Database Dictionary (documentation)
- Stored procedures
 - Select ,Insert update and delete in any table
 - Exam generation
 - Exam Answers
 - Exam Correction

DB will help ITI staff to see the following Reports:

- Report that returns the students information according to Department No parameter.
- Report that takes the student ID and returns the grades of the student in all courses. %
- Report that takes the instructor ID and returns the name of the courses that he teaches and the number of student per course.
- Report that takes course ID and returns its topics

- Report that takes exam number and returns the Questions in it and choices [freeform report]
- Report that takes exam number and the student ID then returns the Questions in this exam with the student answers.

Hints:

Use stored procedures to return data for each Report.

Crystal Report

Report Builder

SSRS

PowerBI

Tableau

Interface can be Desktop Application or Web Application