Programming Assignment 14 – Online Exam Web Application using MVC Architecture with Servlet Programming
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Write programs in Java to create three-tier applications using servlets for conducting on-line examination for displaying student score using MVC architecture. Create the Student and Questions tables in the mysql server as follows to store the information about the students and Questions with choices:

Student table

Id	StudentName	Email	Score

Questions table

Question	Choice_A	Choice_B	Choice_C	Choice_D	Answer

Create three controllers, namely, *Registration Controller, Exam Controller* and *Result Controller*. The *Registration Controller* is responsible for communicating with *StudentDao* for registering the information about the student in the Student table. It displays the rules.jsp to display the rules for the online exam. When the start button is clicked, Exam Controller is invoked.

The *Exam Controller* is responsible for communicating with the QuestionsDao to display the questions from Questions table in Exam.jsp. When submit button in Exam.jsp is clicked, Result Controller is invoked.

The *Result Controller* is responsible for communicating with QuestionsDao and StudentDao to check answers and update the score in Student table. It also displays the result in result.jsp along with the students' information as follows:

Online Examination Score

Student Id: 101
Student Name: Alice
Score: 78 out of 100

To summarize, create the following components of MVC architecture to realize the Online Exam Web Application.

Controllers:
Registration Controller
Exam Controller
Result controller

Views:
Index.jsp
Rules.jsp
Exam.jsp
Result.jsp

Beans:
Student
Questions

Daos:
StudentDao
QuestionDao