Online quizzes

Online quizzes are a popular form of entertainment for web surfers. Online quizzes are generally free to play and for entertainment purposes only though some online quiz websites offer prizes. Websites feature online quizzes on many subjects. One popular type of online quiz is a personality quiz or relationship quiz which is similar to what can be found in many women's or teen magazines. Websites hosting quizzes include Quizilla, FunTrivia, OkCupid, Sporcle, and Quizlet

.IDEA:

The idea of the application is simple, it is a quiz application, where users can create and publish quizzes. Then other users can play those quizzes. To make the app a little more interesting, it includes a user control module with features such as email registration, login or password forgetting. It then uses Spring Security and Spring AOP for authentication and authorization. Users need to open an account to create and edit individual quizzes, but they can play without an account. In addition, users can save the quiz as a project and publish it later, if the quiz is well-formed at the time of publication.

FUNCTIONALITY:

How our quiz works
- Go to the Online Quiz and select one of our online quiz templates or select "Start from scratch".
- Add quiz questions to the questionnaire.
- For each quiz question, select the "Ask this question" check box and turn on the quiz mode.
- Assign answer options points with plus or minus signs.

Players must answer the questions asked on the Online Quiz website in real time. The results are displayed on the screen of both game organizers and participants. At the end of the game, everyone can see the leader who will receive a prize!

Spring Beans: I may use the following types, but they are not specific. (singleton, request,session, application). Inversion of Control (IoC) and Dependency Injection (DI) are used interchangeably. IoC is achieved through DI. DI is the process of providing the dependencies and IoC is the end result of DI. I have not considered the application in detail.

Class diagram

Test

+TestId: Integer
+Name: Char
+Duration: Float
+StartTime: Char
+NumberOfQuestions: Integer

Test Paper

+TestId: Integer
+Question: Char
+Choice1: Char
+Choice2: Char
+Choice3: Char
+Choice4: Char

Examiner

+Id: Integer
+Name: Char

+PrepareTestPaper()
+ModifyTestPaper()
+DeclareResults()
+CheckCopies()

+1   Prepares   +1

Results

+StudentId: Integer
+Marks: Float
+Grade: Char

Declares

Reads   +1

Student

+Id: Integer
+Name: Char
+Address: Char
+ContactNo: Integer

+GiveExam()
+CheckResult()

+1..*

Checks

+1..*   Gives

+1..*   Mail To

+1

Admin

+SendInvite(email)
+SendResult()

+1..*

Response

+StudentId: Integer
+QuestionId: Integer
+SelectedChoice: Char