TECHNICAL SPECIFICATIONS:

UI – Conole Application  
  
Questions Stored – JSON file

Admin needs Password to login.

Dependencies:

Json-20140107.jar

Question File: questions2.json

Admin password file : admin.txt

Marks history : result.xml

Launch.java:

Initiates Quiz.

Asks Admin/User and asks for input from user. Upon receiving the input it checks and calls the Admin.java or Student.java.

If Admin selected, it takes password from user and compares with the password stored in the admin.txt file.

Admin.java :

All admin operations are done inside here.

1.addQuestion()

When a new question is added, it will be added to the jsonobject read from the jsonfile and rewritten into the file.

2.editQuestiom()

When you want to edit a question, you select the question by giving id and editing to it. Then replace the json to the file.

3.deleteQuestion()

When you want to delete a question, you delete by entering the id and the algo automatically manages the other questions id.

4.GenerateFile

When admin creates a quiz, he can export it as text or pdf file. When exported these files are saved inside the project folder.

5.view Results

When selected it fetches data from the xml file which has the record of all students and displays in console.

Student.java

1. createQuiz

A student can create a quiz by selecting different topics and the difficulty level. When multiple topics are selected questions from all the topics are selected and put inside a jsonobject. Then that objected is looped throught to get all the answers from the user .

1. evaluation

As soon as a students answers a question, it is evaluated and mark is incremented accordingly. At the end of the quiz, his name marks topics, difficulty level are displayed.

1. XML

Once quiz is evaluated, the marks and details of the quiz are stored in a xml file. This file is accessed when the admin wants to see the result of all user.

1. ExportFile

User can export the quiz he attended as a text or pdf file at the end of his quiz. When selected the option, the file is created inside the project folder.

Test.java

This class is used to do all operations common to both Admin and student.