

OFFLINE DESKTOP QUIZ APP

RAKESH S. RATHOD TE EXTC 50

Abstract—Exam Software is a Test Management Software, which offers a complete solution for Computer Based Test (CBT). They are used to set up multiple choice tests for set time periods that when submitted are automatically corrected and the results logged beside the student's reference number. **User Roles:** Demo user can only take part in quiz. Admin user can enter, modify the quiz questions and mark the correct choices. Admin can also take quiz .

I. INTRODUCTION

FEATURES:

Administrator login.
Student registration.
Management and update of student information ,instructions and questions.
scope for fixing negative marks and maximum marks to each question.
Display of result in the form of total score ,correct responses attempted and non attempted questions.

WHAT IMPACT DOES IT HAVE:-

Physical presence at a given location is absolutely not necessary.
No time is spent on evaluation.
Results are available instantly.
The time of starting and completion of examination can be recorded at the server and the student cannot manipulate the same.
Even for subjects that the actual examination that will not be conducted online students can be given extensive practice and training by holding online Mock Tests. Almost all competitive exams are multiple choice types and these can be easily conducted online, for example GCET - Goa Common Entrance Test held to shortlist candidates for medical and engineering courses. Trends of the examination including topic wise trends of each subject can be easily obtained if required.

II. SPECIFIC REQUIREMENTS

External interface utilised:

HARDWARE

- 1) Minimum 5 GB space in HDD
- 2) intelcore i3 1.7 GHZ
- 3) 15 " Color monitor

SOFTWARE

- 1) NETBEANS PLATFORM 7.0.1
- 2) WINDOWS 8.1
- 3) Java Language

DR.Y S RAO Sir.

III. INTRODUCTION TO JAVA

Java is Object oriented, Multi-threading language developed by Sun Micro systems in 1991.

It is designed to be small, simple and portable across different platforms as well as OS.

Features of Java :

Syntax based on C++
Object-oriented
Support for Internet applications
Extensive library of pre written classes
Portability among platforms
Built-in networking security as JRE is inaccessible to other parts of computer

Java Programs:

Applets:

Small programs designed to add interactivity to Web sites
Downloaded with the Web page and launched by the Internet browser

Servlets :

Run by Web server on the server

Typically generate Web content

Applications:

Programs that run standalone on a client

IV. LOGIN

The figure for login is shown below

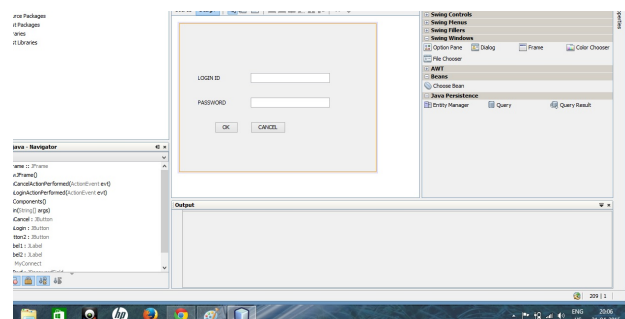


Fig. 1. Login and Password.

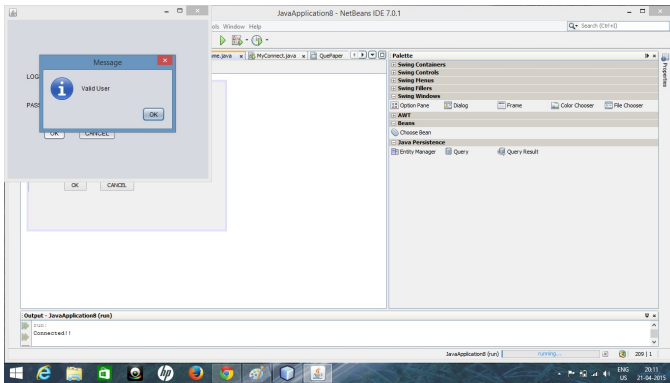


Fig. 2. Student Login and Password Verified.

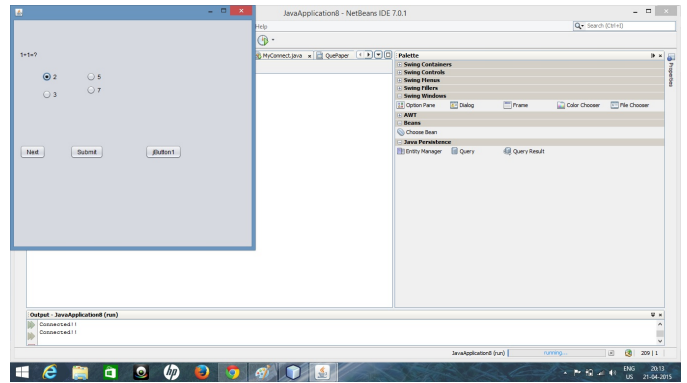


Fig. 5. Sample question.

V. ADMINISTRATION

The figure for administration is shown below

VII. CORRECTION OF QUESTION

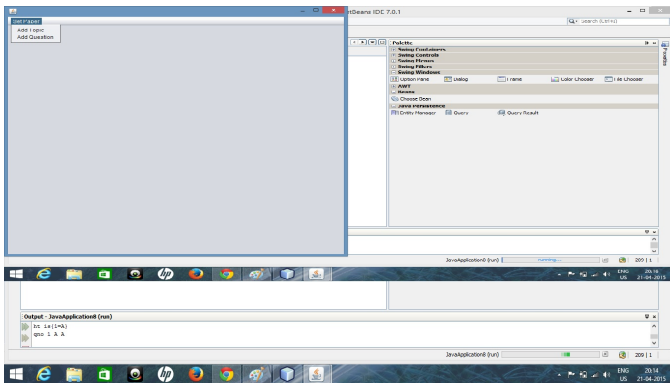


Fig. 3. Administration to set topic

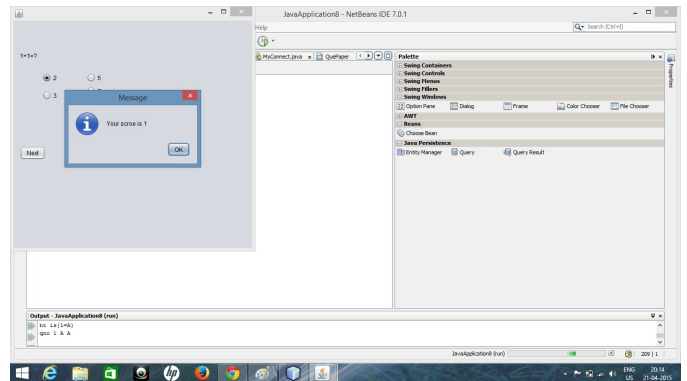


Fig. 6. Student marks

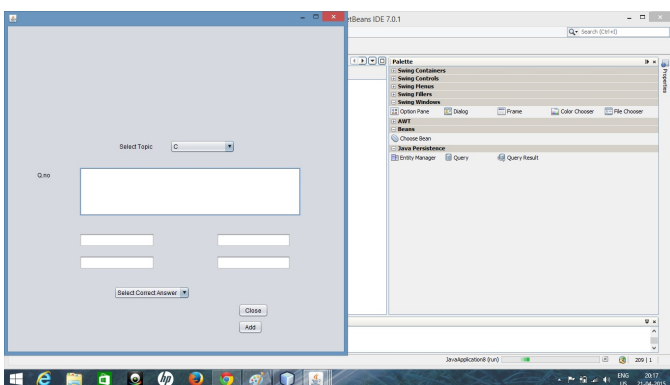


Fig. 4. Administration to set questions.

VI. QUESTION

The figure for question is shown below

VIII. EXISTING SYSTEM

The whole process of assigning test and evaluating their scores after the test was done manually till date. Processing the test paper ie. checking and distributing respective scores used to take time when the software was not installed.

DISADVANTAGES OF CURRENT SYSTEM:

- 1- THE current system is very time consuming.
- 2- it is very difficult to analyze the manually.
- 3- to take exam of more candidates more invigilators are required but no need of invigilator in case of online Exam.
- 4- Results are not precise as calculation and evaluations are done manually.
- 5-The chances of paper leakage are more in current system as compared to proposed system.

6-Result processing takes more time as its done manually

CHARACTERISTICS OF THE PROPOSED SYSTEM:

THE TEST ENGINE CREATED FOR TAKING TEST HAS FOLLOWING FEATURES:

1- In comparison to the present system the proposed system will be less time consuming and is more efficient.

2-Analysis will be very easy in proposed system as it is automated.

3-Result will be very precise and accurate and will be declared in very short span of time because calculation and evaluations are done by the simulator itself.

4-The proposed system is very secure as no chances of leakage of question paper as it is dependent on the administrator only.

5-The logs of appeared candidates and their marks are stored and can be back up for future use.

IX. CONCLUSION

The Offline test System is developed using visual basic and sql fully meets the objectives of the system for which it has been developed. The system is operated at a high level of efficiency and all the teachers and user associated with the system understands its advantage. The system solves the problem. It was intended to solve as requirement specification.

X. FUTURE SCOPE

There have been numerous cases of computer glitches, errors in content, and security lapses reported in online examination .So in the near future the so called software could be made more secure and reliable .While electronic glitches are rare, they have been known to occur, for instance when computer crashes voided the efforts of thousands of student. There are also cases in which the correction software has corrupted scores. so the software can be programmed well so as to avoid corrupted scores.

XI. REFERENCES

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- 2.www.javatpoint.com/java-tutoria.
- 3.javabeginnerstutorial.com/core-java/
- 4.<https://netbeans.org/kb/docs/java/quickstart.html>
www.youtube.com/watch?v=2FOp_RVrAq0