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Aptitude-Suite

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Abstract: Aptitude Suite Exam Generation system is Desktop Based Application. This Desktop Application is efficient, quickest and smartest rather than manual exam management process. Aptitude suite is more flexible and efficient while finding the level of student within short and limited period of time. This Desktop Application produce the result sooner as the exam is get finish. In this desktop application, main feature is generation accurate result without delay and providing accurate and unchangeable amount of time. To provide accurate and unchangeable time, timer is added for individual question set. Aptitude Suite is introduce to deal with online objective type of questions. This system analyses the answers of students answer at the run time. This system gives the correctness of the answer and evaluation of marks.
Keywords— Java, MySQL, Test management.

I.   INTRODUCTION

This project is develop for students, evaluator and examiners for conducting online aptitude test for objective type question pattern. The tests would be customized by bifurcating various sections. This project will helpful and efficient for educational institutes, which want to conduct aptitude based test and want immediate, automated result generation for quick selection of candidates. In this project administrator have full authentication about managing complete process of conducting test, creating users, modifying questions and create test. This project will enable institutions and organization to perform tests, quiz, and mock-test. This system assist administrator to create set of questions with bifurcation of types. This project assesses the random question set to candidates according to the type, as organization or educational institutes required according to their requirements.

II.   SPECIFICATION OF PROBLEM

In early years, the online exams is been used in different educational institute and organizations to get highest accuracy with easiest calculations, manipulation and multi-functionality. This System will found to be most effective and efficient while more number of candidates are present .This system will generate instant result declaration.

This System reduces the tedious job of maintaining information in the form documentation of paper. This system maintains all the data, information and result in databases which is secured highly. Keeping the information of candidates, question set and result in the form of hard-copied leads to the following problems.

Lack of space Maintaining hard-copies of question-set, information's of candidates and results becomes a problematic in itself. While searching space for keeping the sheets of question-sets, information's of candidates and results being generated hectic, tedious and insecure task for institution and organizations also.

Searching is not easy While searching scoring candidates or visited candidate, or searching previously conducted questions becomes hard. It is quite hectic, problematic for manual searching and also sorting data according to well manner. Searching and arranging them in ascending or descending manner according to alphabetical manner is also problematic.

Reviewing becomes time-consuming When all the processes of maintaining data and retrieving data manually, it takes long and inefficient regarding to cost, effort and time too. So instead of maintaining data and retrieving data manually it is more preferable and affordable for institution and organization to do this all task using system like Aptitude Suite.

III.   PROPOSED SYSTEM

According to the response of candidate, the answer given by candidate is evaluated at the run time.

Run time evaluation of answer given by candidates for a questions will reduce the time for checking and managing problems of records.

Run time Evaluation of answer gives the quick, instant and accurate result.

Aptitude Suite will reduce the possibility of the assessing marks for incorrect answer by candidates.

Aptitude Suite will reduce the generation of hardcopy of papers, which will also reduce paper work.

It will help to generate report quickly as required and anywhere. Using this system organization will conduct exam and report where ever required.

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It will elp to conduct exam for large number of candidates at a time.
Question set generated randomly by the server.
Registration and Login for candidate is depends upon privilege of Administrator.

IV.   SYSTEM MODULE

Login
Sign Up
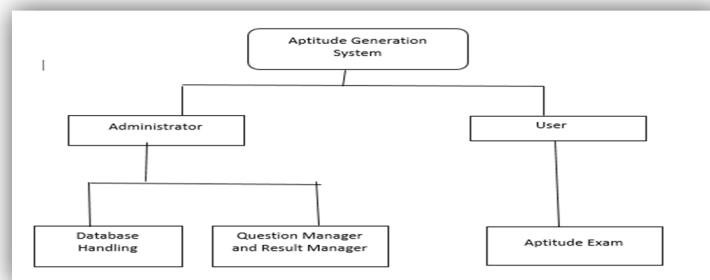Question Generator
Exam
Result Generations

A. System Diagram

Figure 2: System Diagram

B. Hardware Requirements and Software Requirement
Hardware Requirements
Processor Intel core dual 2.0GHz or more
RAM 1GB
Hard Disk 1GB

C. Software Requirement
OS Windows 8 or More
Front End NetBeans IDE 8.0.2
Back End MySQL
Programing Language Java

D. Screenshots

Fig 3: Admin Login
Admin Login:-Admin will login from here to generate questions.

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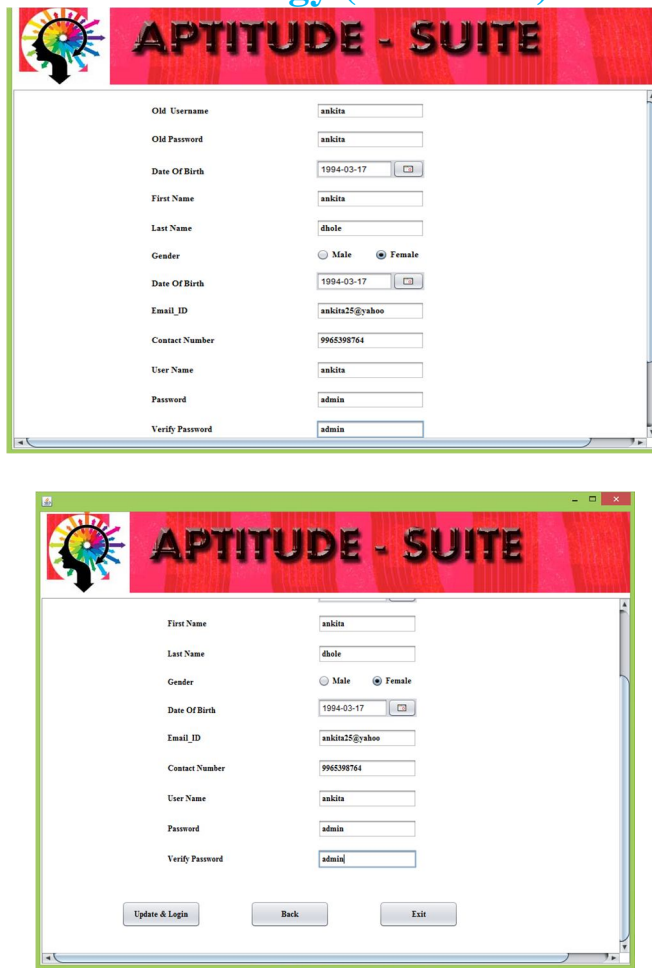
Fig 4:Admin Updation

Admin Updation:-Here we use field i.e. old username, old password, date of birth, first name, Last name, Gender, Email_ID, Contact number, Username, password, Verify password .

Update & Login:-Admin will update the information.

Back: - Return back to previous page.
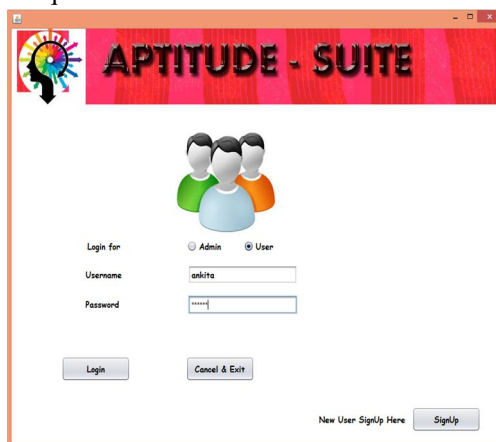
Exit: - Totally exit.
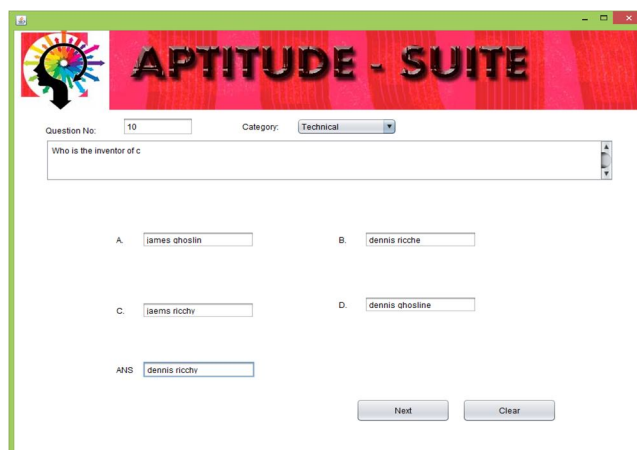
Fig 5: Question Generation

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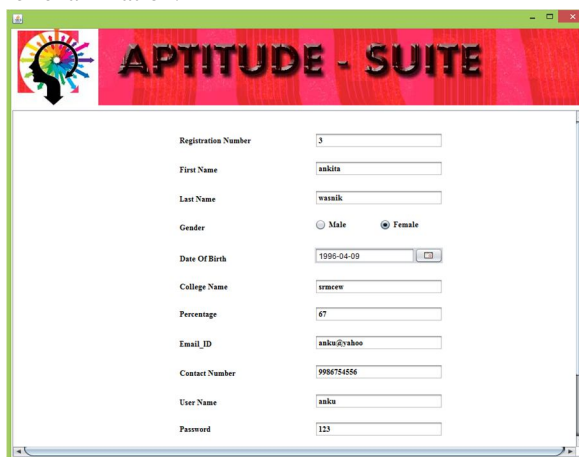
Question Generation: - Admin will generate a question for exam.
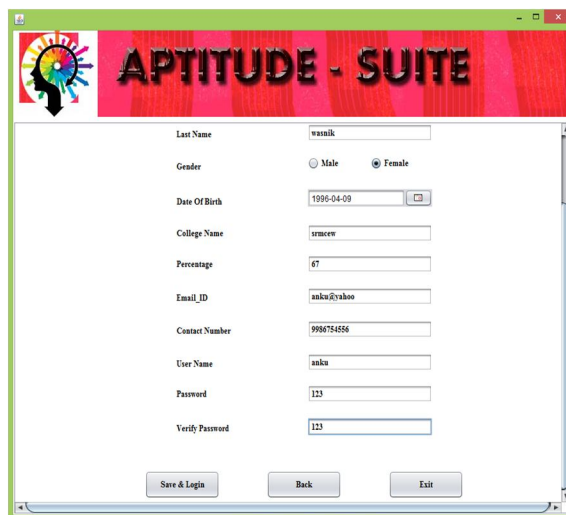
Fig 6: User Login

User Login:-User will login from here for examination.

Fig 7: User Registration

User Registration:-Here user register for exam.
Save & Login: User will save and login the information.

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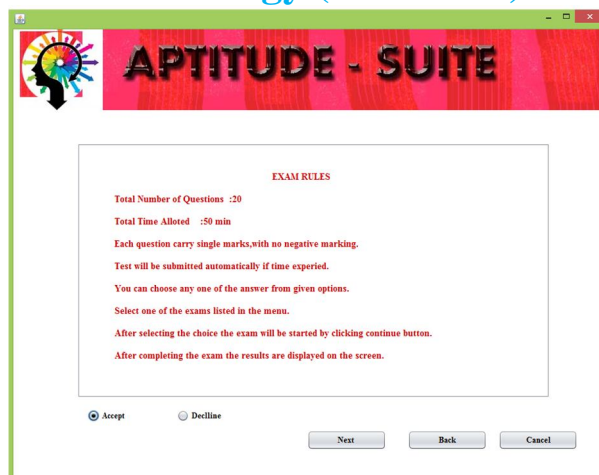

Fig 8: Exam Rules

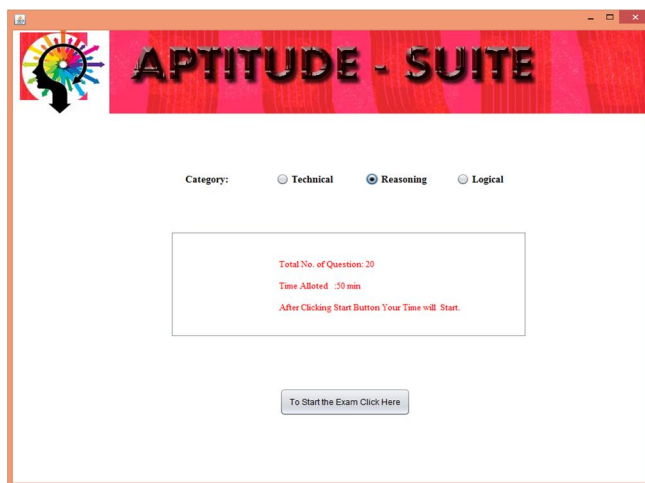Exam Rules: - It will display rules for examination**.**

Fig 9: Category

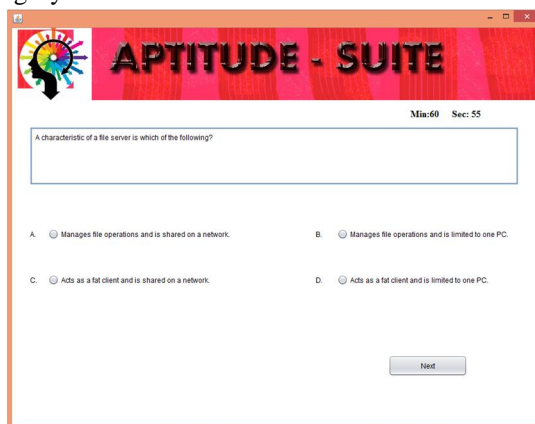Category: - User will select choice of category for start the exam.

Fig 10: Exam

Exam: This will generate questions accordingly choice is selected before.

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Fig 11: Result

Result:-It will result generate according question answered by user.

V.   ADVANTAGES

Administrator should have the highest authority to edit/delete/create database.
Students can only view the test records.
Critical data like password should be kept safe.
Maintaining hectic job of data will reduce.
No mistakes will occurred while evaluating the paper.

VI.   SECURITY

Administrator should have the highest authority to edit/delete/create database.
Students can only view the test records.
Critical data like password should be kept safe.

VII.   CONCLUSION AND FUTURE SCOPE

A. Conclusion

Online aptitude tests will help people especially students to get easy access to quality aptitude questions. Every test is divided into different sections like Mathematics, English and Technical .User can choose any test according to his need or in which section he/she has problems. Every question will be evaluated.

B. Future Scope

This project would be very useful for educational institutes where regular aptitude evaluation of students is required. Further it can be useful for any use that requires feedback based on objective type responses.

REFERENCES

[1]   Herbert Schildt, Java: The Complete Reference, McGraw-Hill Publication
[2]   Black Book, Web Technology, KOGENT Learning Solutions
[3]   Y.Daniel Liang, "Netbeans Tutorial", 2012
[4]   C.J Date, Introduction to DBMS
[5]   ROB & Coronel, Database System Design, Implementation & Management, Thomson 5th Editio
[6]   Hoagie Chang, Design and Implementation of student Information Management System.[D].Chinese Master's Theses Full-text Database,2009,(07)

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