AUTOMATED QUESTION PAPER GENERATOR

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Chandubhai S. Patel Institute of Technology

At: Changa, Dist: Anand – 388421

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CERTIFICATE

This is to certify that the report entitled "**Automated Question Paper Generator**" is a bonafied work carried out by **Naimish Desai(15IT020), Gaurang Dobariya (15IT025)** under the guidance and supervision of **Prof. Bimal Patel** for the subject **IT215 Software Group Project-II (4th sem)** of **4**th Semester of Bachelor of Technology in **Information Technology** at Faculty of Technology & Engineering – CHARUSAT, Gujarat.

To the best of my knowledge and belief, this work embodies the work of candidate himself, has duly been completed, and fulfills the requirement of the ordinance relating to the B.Tech. Degree of the University and is up to the standard in respect of content, presentation and language for being referred to the examiner.

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ACKNOWLEDGEMENT

Abstract

This project consists of a program called "Automated Question Paper Generator" This softwere has login and facility anyone who has to generate question paper related to particular subjects. He/she can generate question paper according to their level i.e Easy ,hard,etc..and also set the paper by select Markwise question from question bank and previous year question paper .We will implement this project using Java as a front end and the back end as the mysql.

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Chapter 1: INTRODUCTION

1.1 Project Summary

The project involves the views of 2 users. One is he Teacher and the other is the administrator. The administrator has the authority to generate, add, view and modify the database of question. They also keep a record of user who access the software. They delete, view, add the user.

On the other hand, a Teacher can add the Question. Teacher must have user name and password to login. Teacher can Generate Question Paper.

1.2 Scope

Without an **Automated Question Paper Generator**, selecting question and generating question paper is a tedious job for any organization.

Automated Question Paper Generator will store all the question related to particular subject of the including their mark and priority level. It also manage the user who access the software.

1.3 Objective

Objective is to learn object oriented programming java and create a GUI based application useful for learning the coding of a management system. And to deal with management system in object oriented programming concept with the database connection. And also deal with Pdf generation in java and report viewer in java.

Chapter 2: SYSTEMS REQUIREMENTS STUDY

2.1 User Characteristics

There are Two types of User 1)Student   2)Admin.

2.1.1 Teacher
- ADD QUESTION : Teacher can add the question into database.
- GENERATE PAPER : Teacher can generate question paper.

2.1.2 Admin
- VIEW DATABASE : Admin can view full databse of all subject with their level,mark
- ADD QUESTION : Admin can add the question into database.
- USER MANAGEMENT : Admin can add and delete the user.
- GENERATE PAPER : Admin can generate question paper.

2.2 Tools & Technology Used

2.2.1 Software Requirements
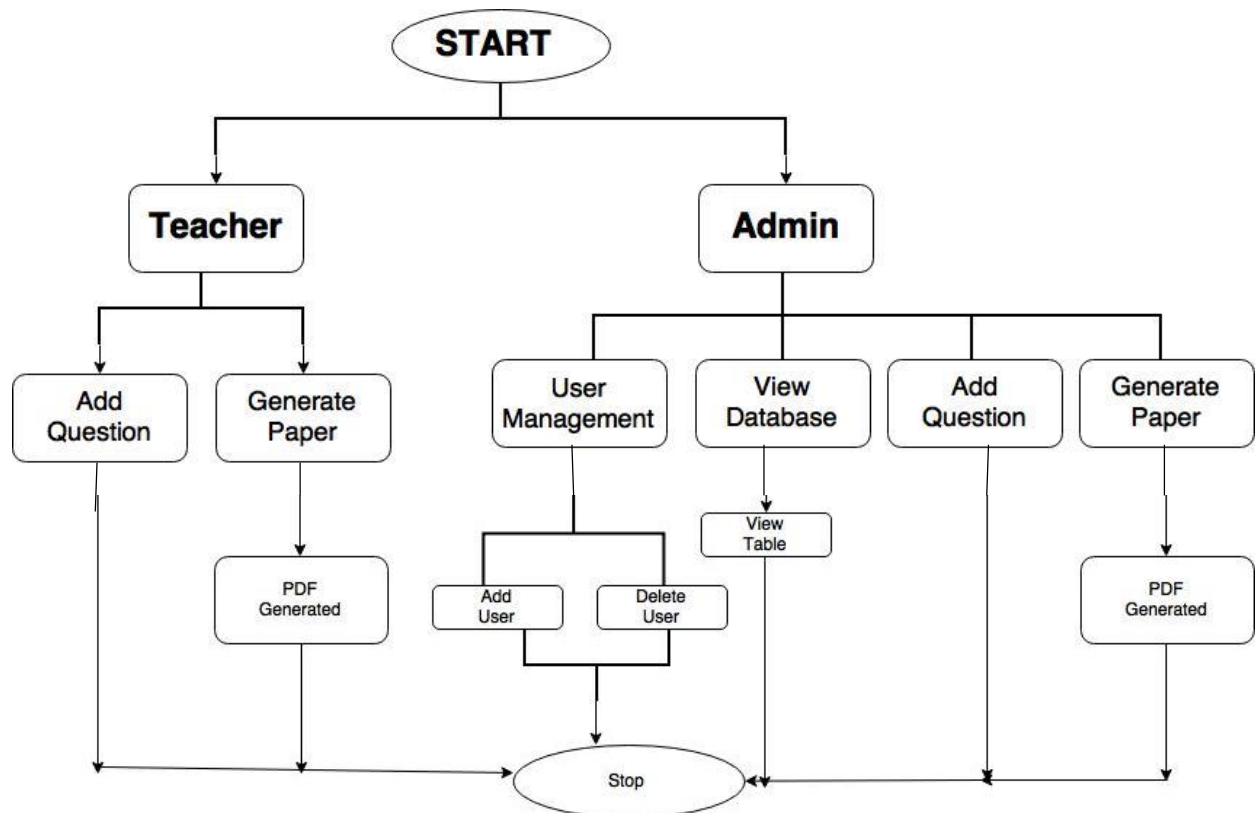**Operating system :** Microsoft XP/2000/VISTA/Windows 7/Windows 10

Platform   : Java Language(NETBEANS IDE),MySql(WAMP SERVER)

2.2.2 Hardware Requirements
Processor   **:** Intel   i3
Hard disk   **:** 40 GB
RAM   **:** 1GB

# Chapter 3 System Design

3.1 Project Flow

3.2 Major Functionality

Major functioinality of the project is the insert and retrieve data from database or delete record from database . here we can connect the database using jdbc driver and wamp server.Other functionality is the retrive the record from the database and display to the screen using jtable or jscrollpane.

Here other functionality is the set the appropriate GUI componant on the screen at proper place and also perform the right event by right component.So it's looking good and readable software.

Chapter 4 Implementation Planning

4.1 Module Specification
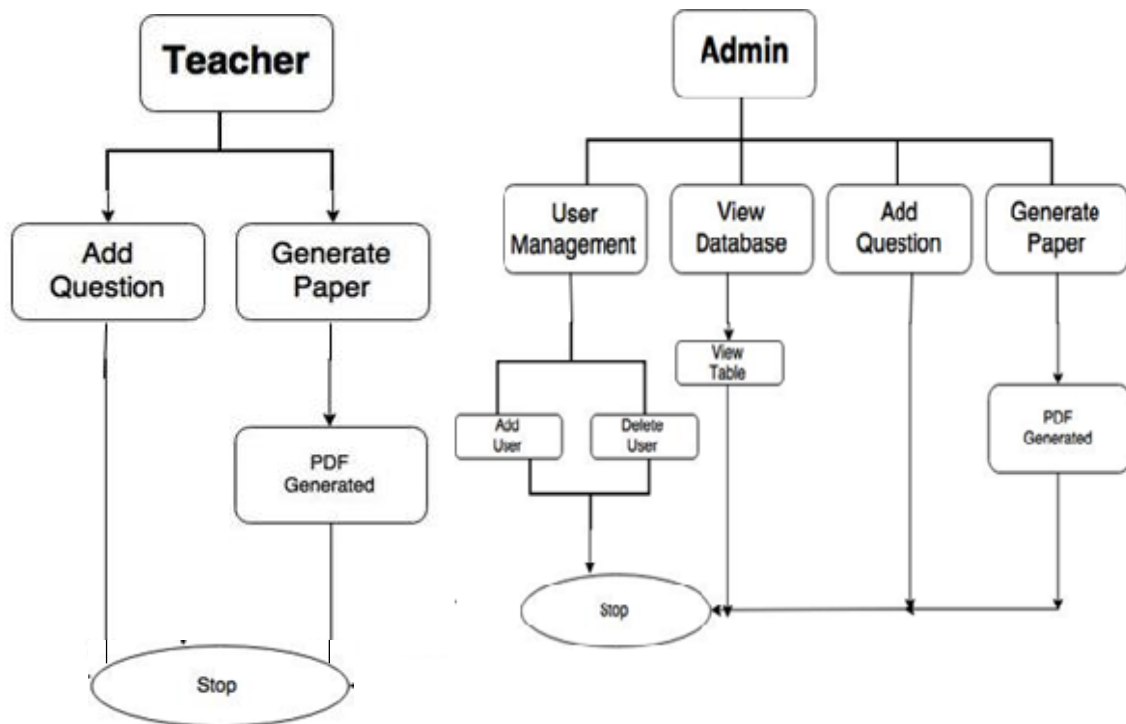
4.2 Coding Standards

```
package questionpapergenerator;

public class QuestionPaperGenerator {

    public static void main(String[] args) {

        ProjectForm fg = new ProjectForm();
        fg.setVisible(true);
    }
}
```

+ Options

	ID	QUESTION	CASE	MARK	LEVEL
Edit Copy Delete	1	What is Data Model?Explain with example	3	2	medium
Edit Copy Delete	2	What is E-R model?What is Object Oriented model?	3	2	medium
Edit Copy Delete	3	What is 1NF?What is 2NF?	3	2	medium
Edit Copy Delete	4	What is 3NF?What is BCNF?	3	2	medium
Edit Copy Delete	5	What is DML Compiler?What is Query evaluation engi...	3	2	medium
Edit Copy Delete	6	What is Functional Dependency?	3	2	medium
Edit Copy Delete	7	What is Fully Functional dependency?	3	2	medium
Edit Copy Delete	8	What is 4NF?What is 5NF?	3	2	medium
Edit Copy Delete	9	What is a query?What is meant by query optimizatio...	3	2	medium
Edit Copy Delete	10	What is difference between DBMS and RDBMS?	3	2	medium
Edit Copy Delete	11	explain lost update problem with example.	3	2	medium

4.4 Snapshots of project

Main Window:
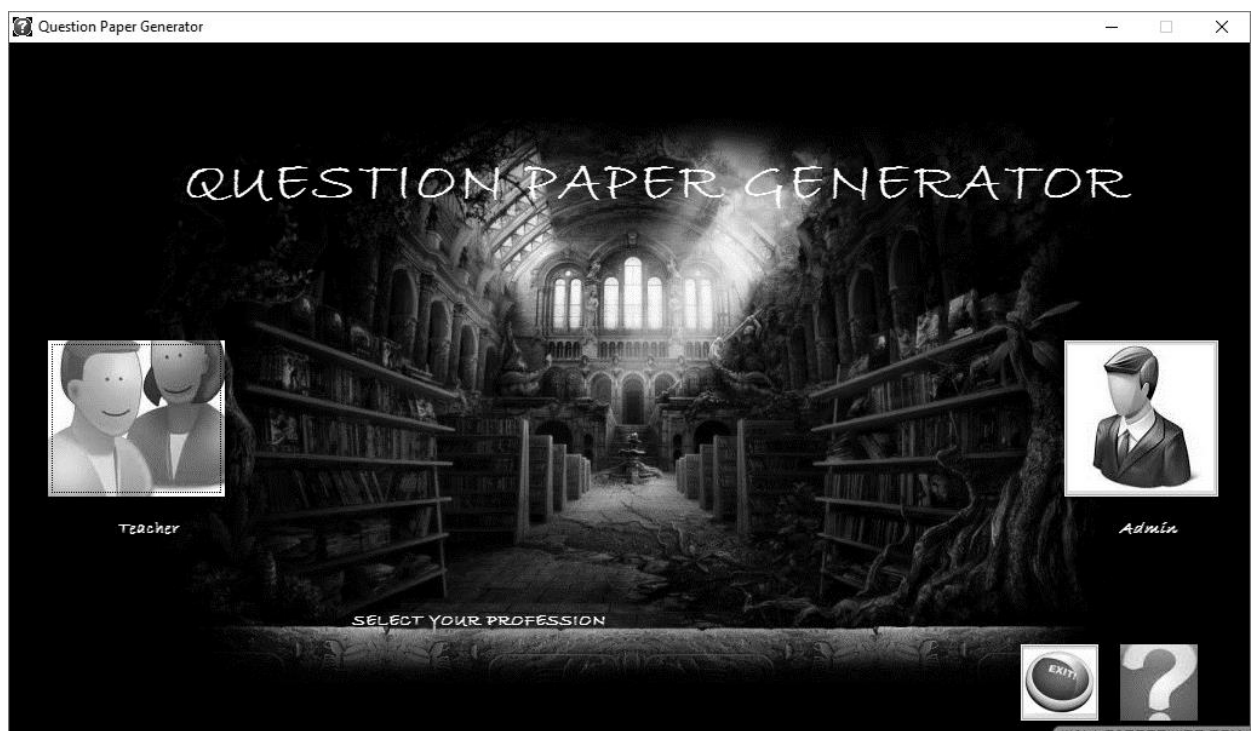
Teacher menu:
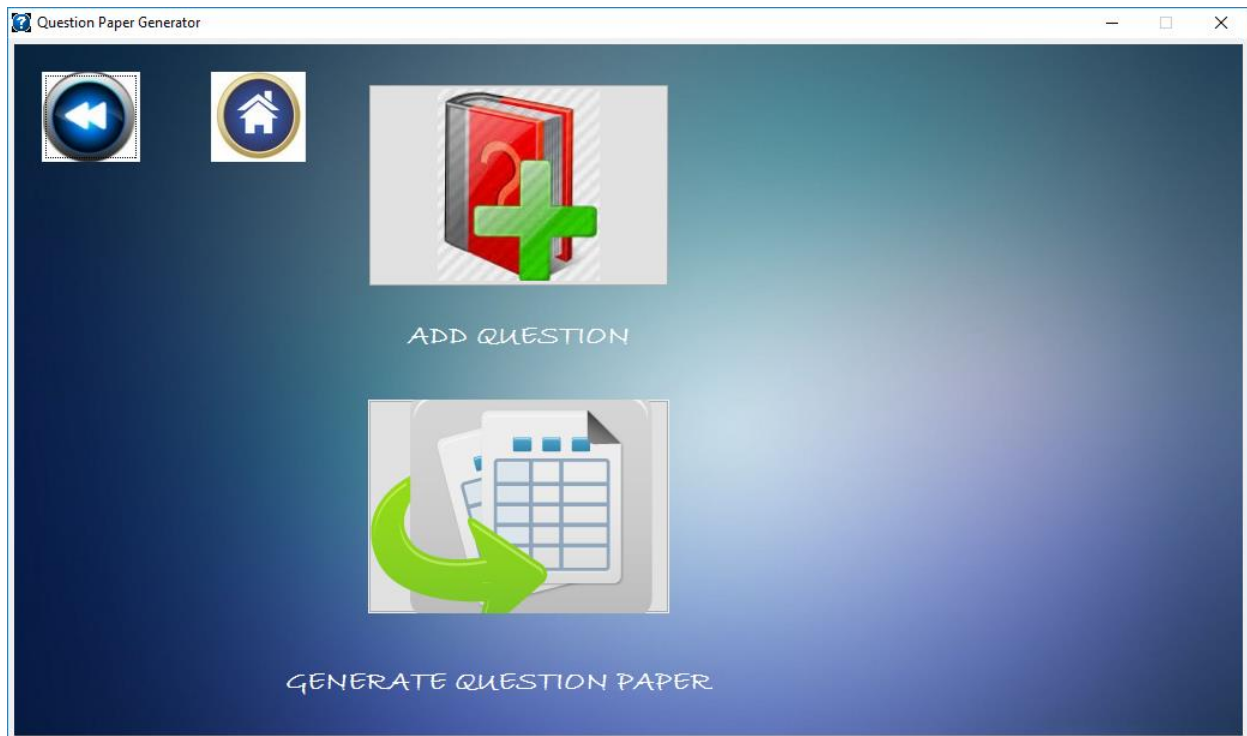
Admin Login:
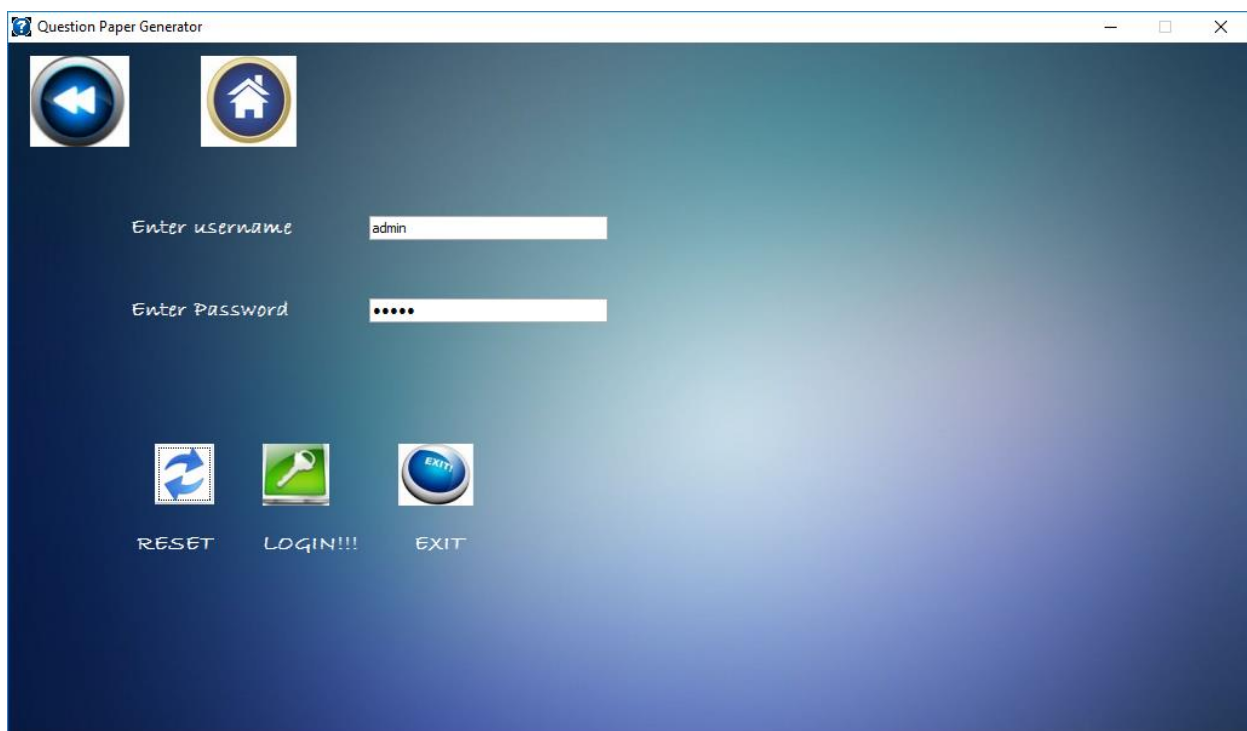
Admin Menu:
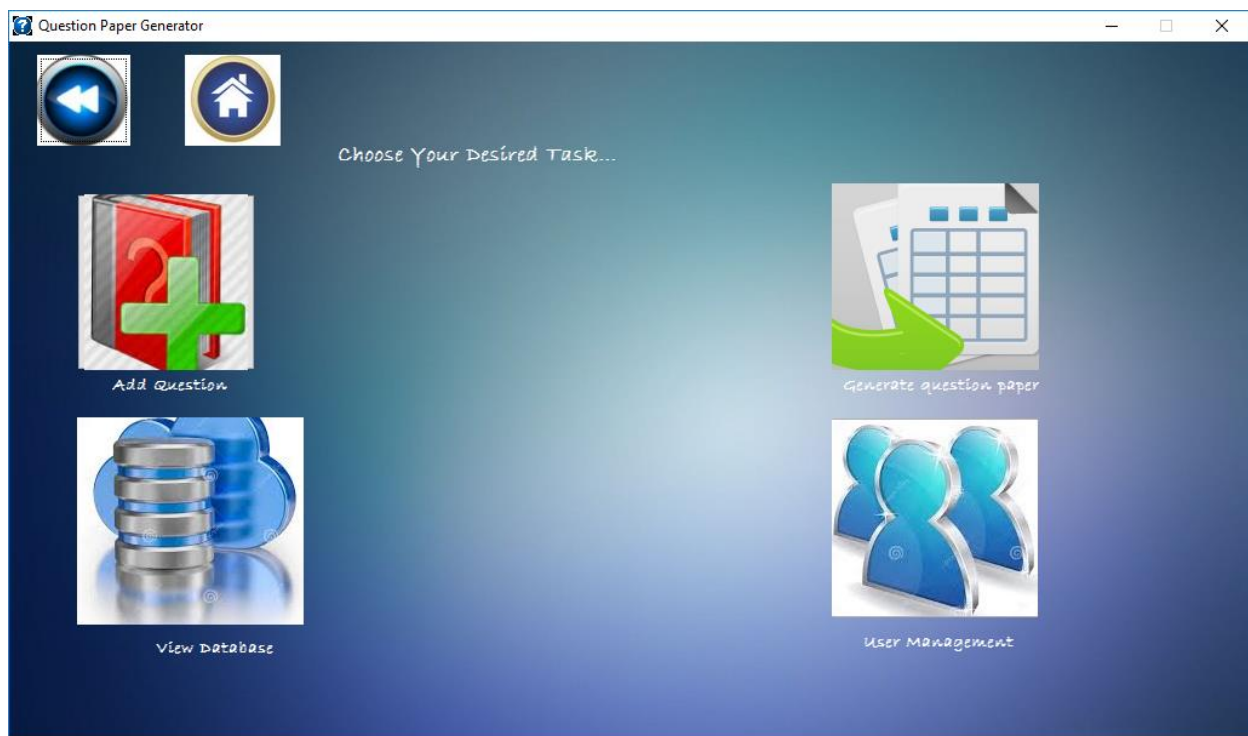
ADD Question:
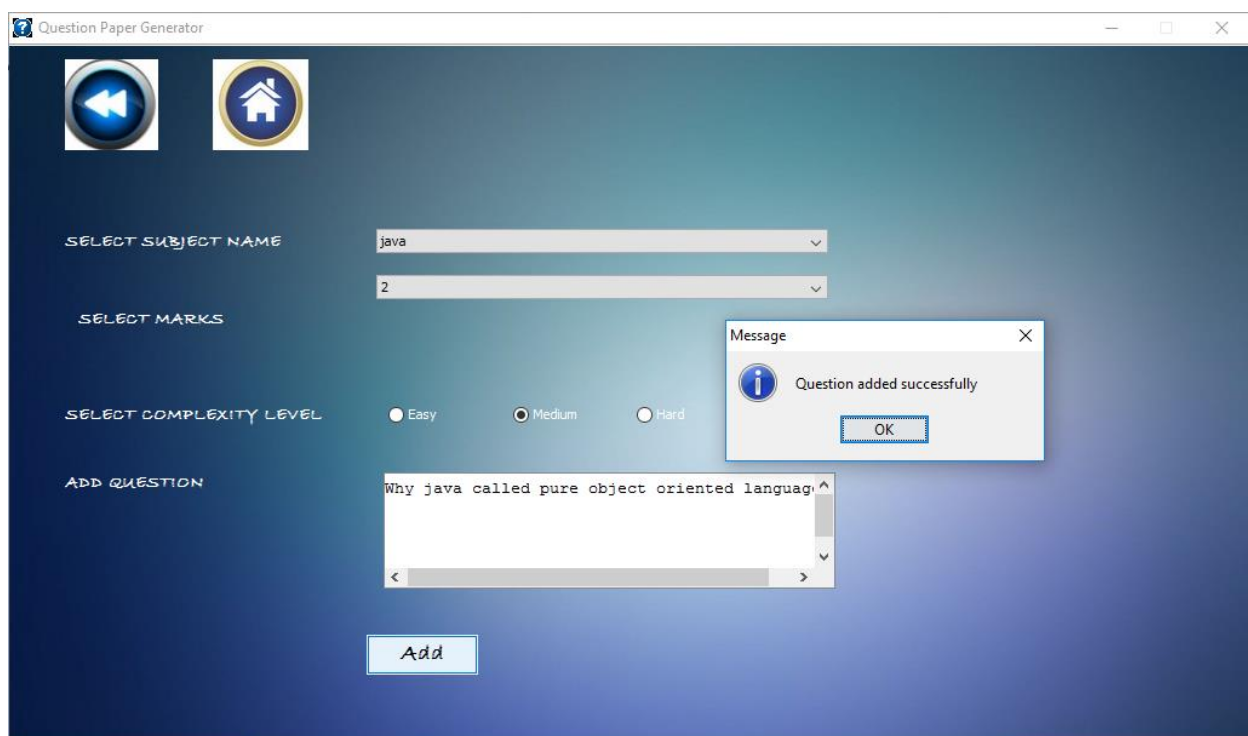
User Management:
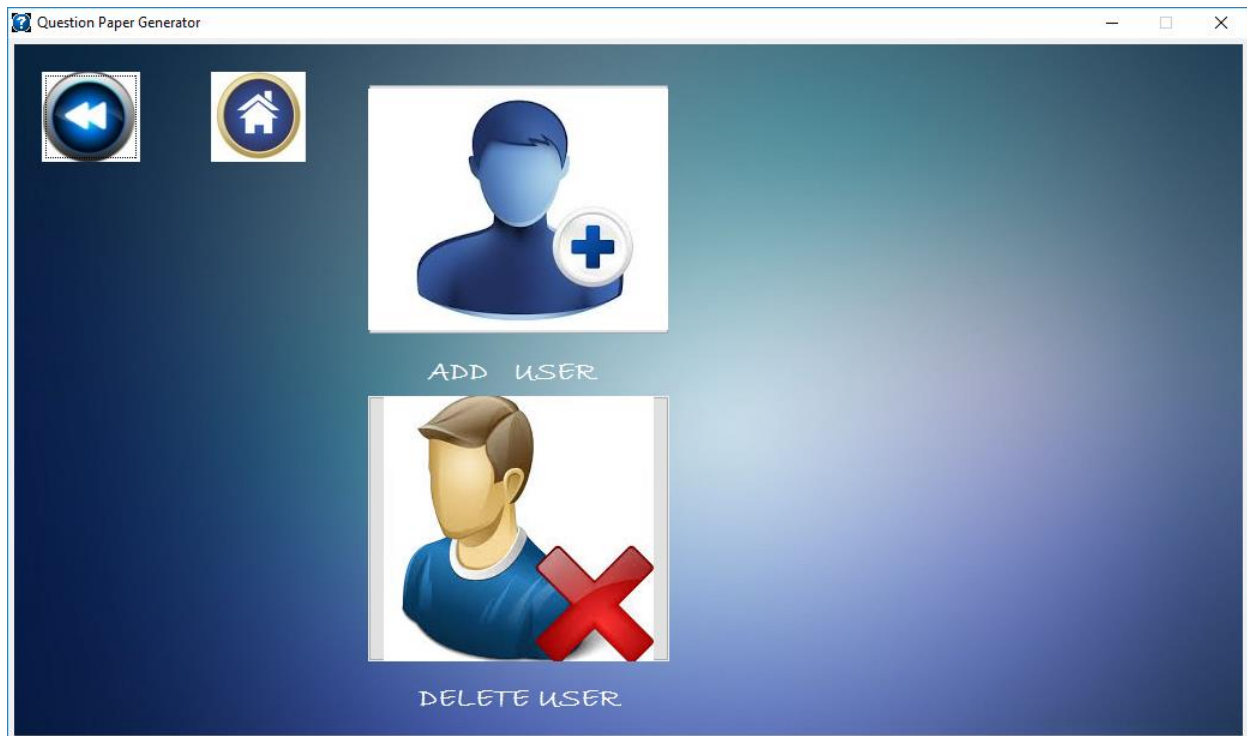
Add User:
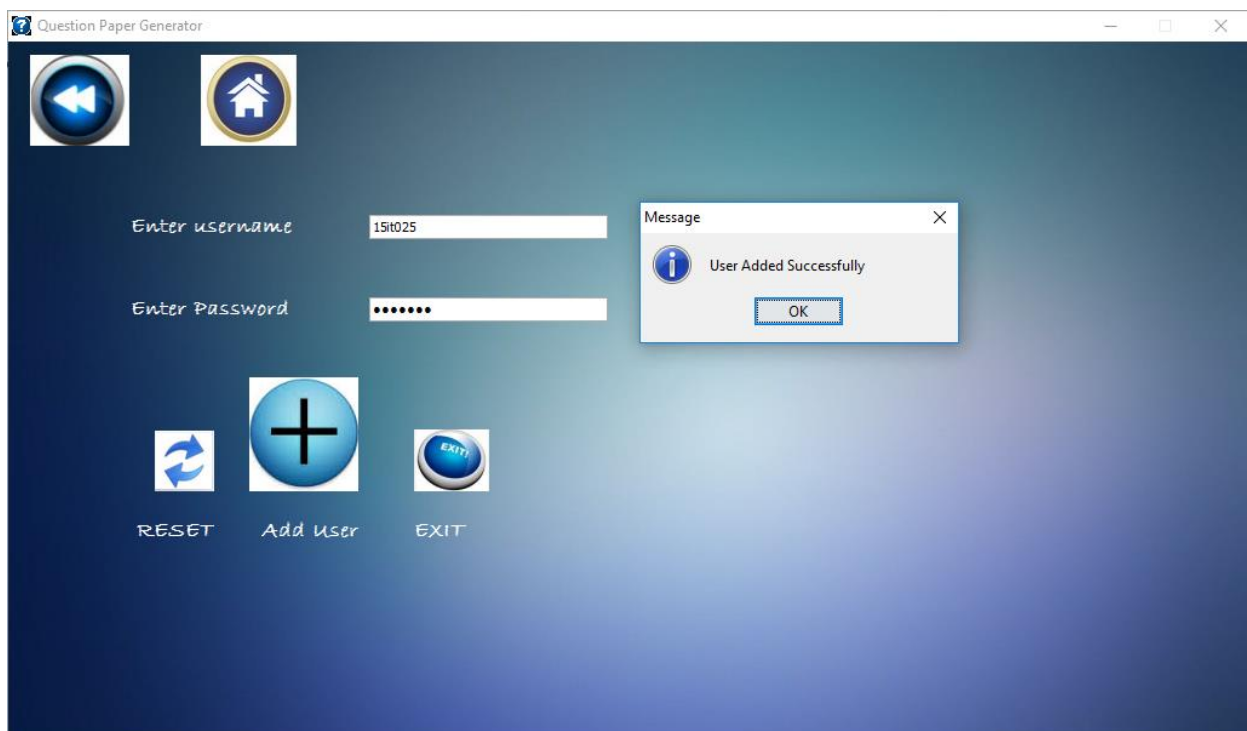
Delete User:
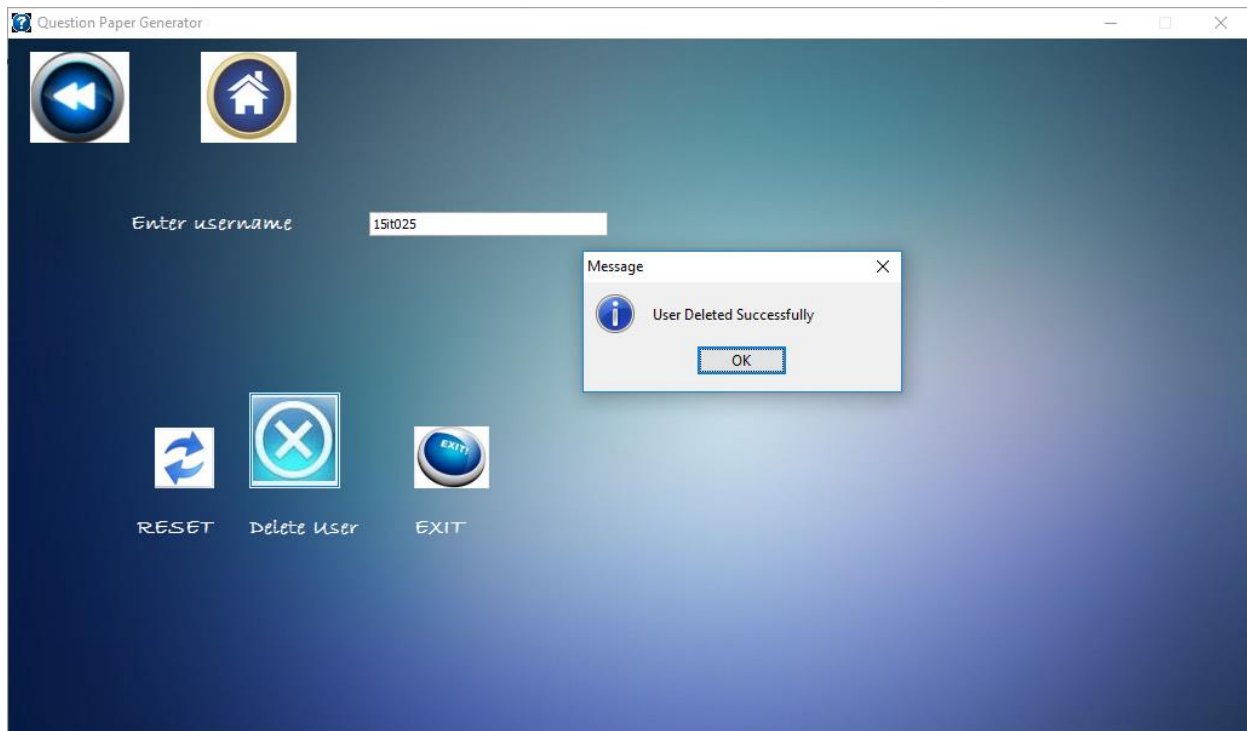
View Database:
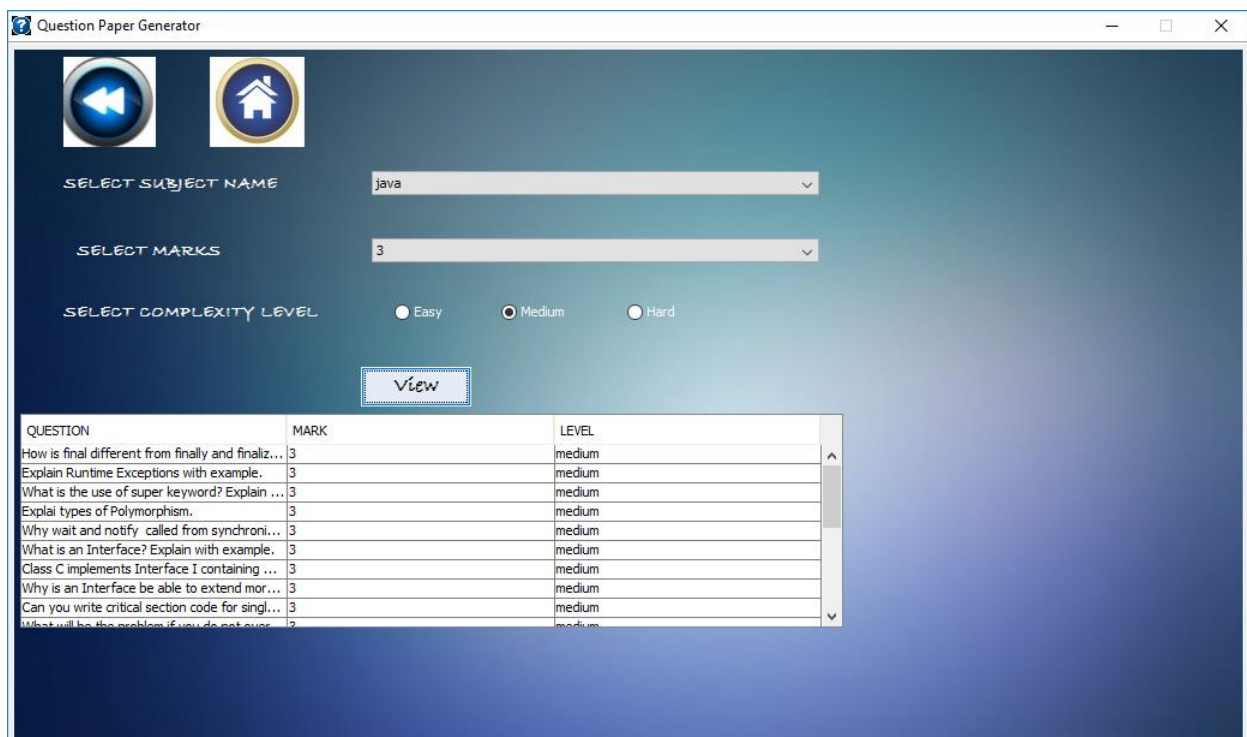
Generate Paper:

Question Selection:

Select Path For Pdf:

Pdf Viwer:

Chapter 5 Limitations and Future Enhancement

We Can't generate mcq question in a paper using Automated Question Paper generator.

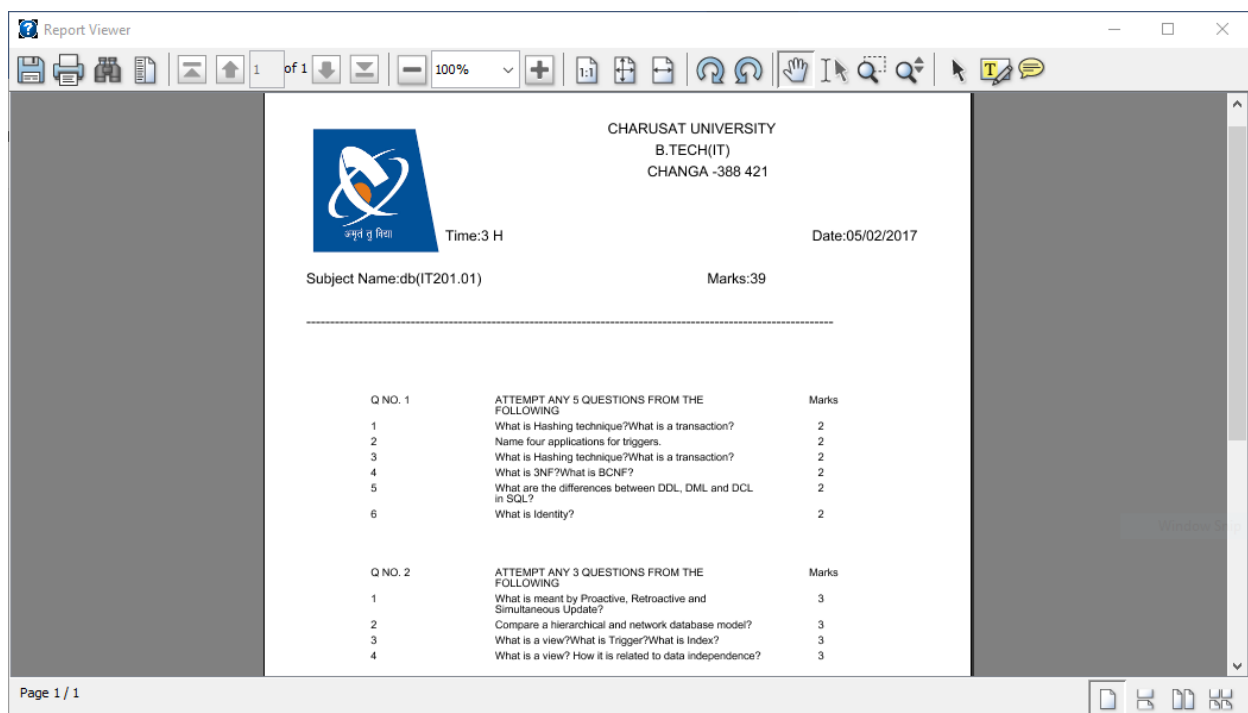No. Of Subject and Question is limited.Question With Image is not possible using Automated Question Paper.Table Type Question is Not Possible using Automated Question Paper.

We Will Extend this project for all subject with all semester. We add the Mcq also In this Project. So We can generate question paper with Mcq, short question,long question, very long question.We also add question with Image,Table type question. So we can generate question paper with Image related Question and table type question.

This software is develope in java. So without jdk installed in computer we can't run this software.

Chapter 6 Conclusion

- From this project we come to know about basic functionality and working of jframeform in java programming.

- We can determine and understand the continues flow of program even in this kind of database connected system containing project.

- We can learn how to insert and retrieve data from the database through the java programming. and also make the pdf using java and also open in report viewer using java programming.

- Beneficial functions like Random (), dispose (), etc. can be used in most of program for making program more interactive.

- Database system as back end of this project is one of the basic necessary for any real life application.

- **References**

- **http://www.lionblogger.com/**

- **http://www.javatpoint.com/**

- **https://www.techonthenet.com/mysql/**