PROGRASIVE'S EDUCATION SOCIETY'S

Modern College of Art, Science & Commerce ShivajiNager Pune-05.

A

Project Report on

Credit Based Evaluation System

Submitted to

University of Pune,

In the partial fulfillment of the degree of

Master of Science (Computer Science)

Developed By

Mr. Bhapkar Uday Dattatray (64036).

Mr.Bali Pratik sanjay (64048).

Under the Guidance of

Mrs. Pawar Jigisha.

PROGRASIVE'S EDUCATION SOCIETY'S

Modern College of Arts ,Science & Commerce

ShivajiNager,Pune-411005

CERTIFICATE

This is to certify that **Mr. Bhapkar Uday Dattatray (64036) and Mr. Bali Pratik Sanjay (64048)** as of M.Sc. (Computer Science) SEM – II has completed his Project Work(204) General Lab(215) entitled **"Credit Based Evaluation System"** as a part of curriculum, during the academic year **2015-2016.**

University seat No:

University seat No:

Date: / /2016

Internal	External	Head
Examiner	Examiner	Dept. Computer Science

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I wish to express my sincere thanks to the Principal, Head of Computer Science Department, and all teaching and non-teaching staff. For their extraordinary help throughout period of my project.

We are especially thankful to those who helped us directly-indirectly in completion of this work successfully.

Mr. Bhapkar Uday Dattatray.

Mr. Bali Pratik Sanjay.

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Problem Definition

Many of the Universities have adapted the credit based evaluation technique . Maintaining the data to the credit based system is time consuming and tedious and is currently manual .Again it become very difficult to analyze the student's performance subject-wise and class-wise. In the current manual system the bugs related with marks entry are difficult to recognize which may lead to false result analysis . The automated system for credit based evaluation method would make the evaluation and analysis in simple and user friendly way.

Scope of System

The scope of proposed system means to be Computerized Information System for details of Credit Based evaluation System. The operations done on System are maintaining records of Students credit marks points, updating students as well as marks details ,Result Analysis information like report of the student rank-wise, absent-wise, subject-wise etc.

I) Maintaining of all information at one place and in one particular format.
II) Developing the system which is cost-effective, user-friendly and convenience.
III) To speed up the manually work of the information gathering and report generation.
IV) Developing the system for instant report generation for analysis

The Scope of the Proposed system can be further discussed with the following points: -

1. Students details: -

Managing various types of the information about Students & keep data in files so as to refer it for further operation.

2. Maintain course regarding details: -

Managing various types of the information about Department , Course, Subject &Teacher keep data in files so as to refer it for further operation.

3. Credit Marks Results Report : -

Managing various types of report of student credit marks & keep data in files so as to refer it for further operation.

4. Maintain Both Internal & External Marks : -

This system can be managed both Internal & External Marks of the students which can help to further evaluation of the student Result Analysis.

Need of System

The main purpose of this system is to reduce paper work and keep Students record .

Today all processing is done manually. All writing was done manually in register. Suppose record of any old Student, Student Information regarding to his marks to check then we have to need all register to check. It becomes tedious work to find manually. Due to this there are possibilities of lot of mistakes.

In this proposed system, which is computerized system records are maintain properly in a database. It is easy to retrieve record also easy to Update, Delete, Add and Insert to new records.

Proposed System

- The proposed system is computerized version of existing system which makes it easier to work
- System also generates various reports such as Rank-wise reports, absent-wise, Subject Marks-wise report and All Students details.
- As the system is computerized then there is less chances of error occurs and work can done with maximum speed.
- Updating of any records are easy as compared to existing system.
- Finding the records are quite simple as compared to the manual system were you had to manually search each and every record?
- Due to maximum speed the time required is less.
- Installation of any costly software's are not required.
- Easily Printing reports and marks.

System Requirement's

Hardware and Software Used (Minimum Requirement):

1) Hardware:-

i) Computer

ii) Hard drive : 40 GB.

iii) Ram : 1 GB.

iv) Processor : Pentium IV and above.

v) Printer : Any type of printer.

2) Software:-

i) Operating System: Linux or Microsoft Windows XP.

ii) Backend : MySQL.

iii)Frontend : JAVA(jdk 1.7).

iv) pdf Reader

Fact Finding Technique

- In the Credit Based Evaluation System it is very important to Result Analysis. We are preparing the project a project is based on it.
- Collection of information regarding credit System make easier to understand its procedure.
- There are several fact finding techniques namely-

a) Questionnaires

b) Interviews

c) Observation

d) Record Review

a) Questionnaires

We used this technique in the initial and final phase of our project. In the initial phase we prepared questionnaires to get some numerical data that was required or was missing after all the observation.

Question asked where both open ended and close ended which related to user interaction with the current system. Log records or reports generated by current system complication in the system as per the user.

b) Interview's

The interview techniques help us to get the required information from the individuals of the organization by proper investigation about the process followed for the system development.

In this phase face to face question will be asked. This system is direct method of collection information speed regarding to credit based system i.e. our "Computer Science Department Modern College".

c) Observation

In the system we have to observe the procedure that evaluating the Credit marks point on consultant Department. How they executed there working of evaluation of the marks.

d) Record Review

In record review, we get the information that has been recorded in the register format.

Feasibility Study

A feasibility study is undertaken to determine the possibility of either improving the existing system of developing a completely new system.

It helps to obtain an overview of the problem and to get rough idea of whether a feasible solution exits this is essential to avoid committing large resources to project and then on it later.

It is necessary to evaluate the feasibility of the project at the beginning of the project. The following parameters were considered:

1. Economical Feasibility

2. Operational Feasibility

3. Technical Feasibility

1. Economical Feasibility

This feasibility study identifies the alternatives, determines the costs and expected saving of each of alternatives. This cost may include both runtime cost and recurring cost. It is observed that our system is feasible as it benefit organization in many ways.

As the system requires single computer for implementation which is approved to be quite affordable .Even the cost for training the operator is negligible, so the system was found to be economically feasible.

2. Operational Feasibility

This feasibility deals with the attitude and reaction of the people who will be the end user of the system, will the system be used if it is implemented and questions like these could be encountered while undertaking the above analysis. Our project is operational feasible as it provides user friendly access.

It is also called as behavioral feasibility our project. Here it was checked whether the proposed system would meet the desired requirement it was also checked how to train the end users of the system. Any computer literate can easily handle this system. Our project is operationally feasible as it provides user friendly access.

3. Technical Feasibility

Technical feasibility involves whether work for project can be done with the current procedures, existing software technology and available personnel.

If new technology is needed what alternative will be needed in the present structure and works echoes should be considered. This requires close approximation of the present system.

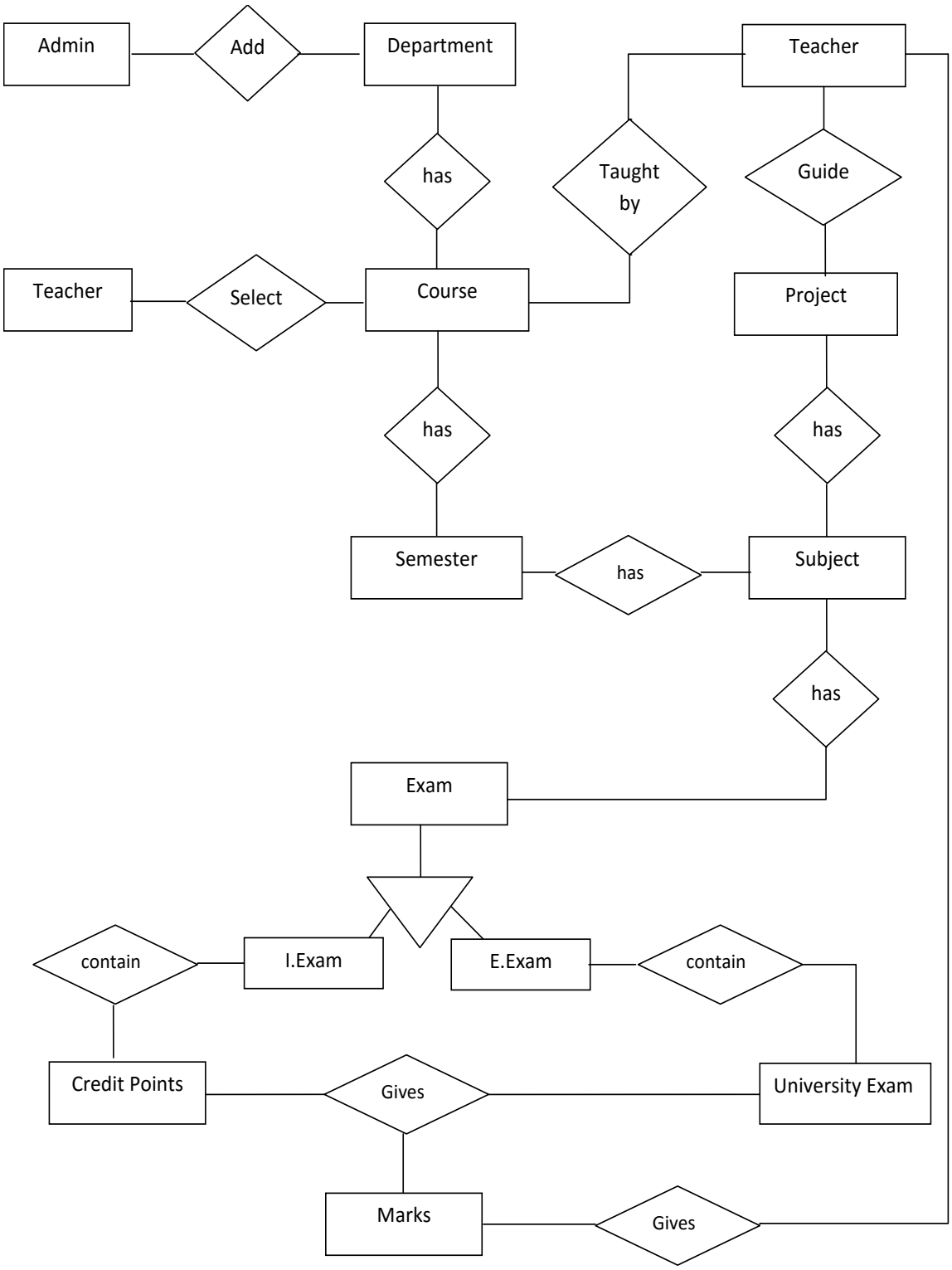
Our system is feasible because as it developed in java and the users who know computer and able to speak in English can use this system very easy.

This is concerned with analysis of the available hardware and software technologies. The implemented technology is easily available .As the system was developed using ‘Java’, and ‘MYSQL’. No extra hardware or software is required and this project is technically feasible.

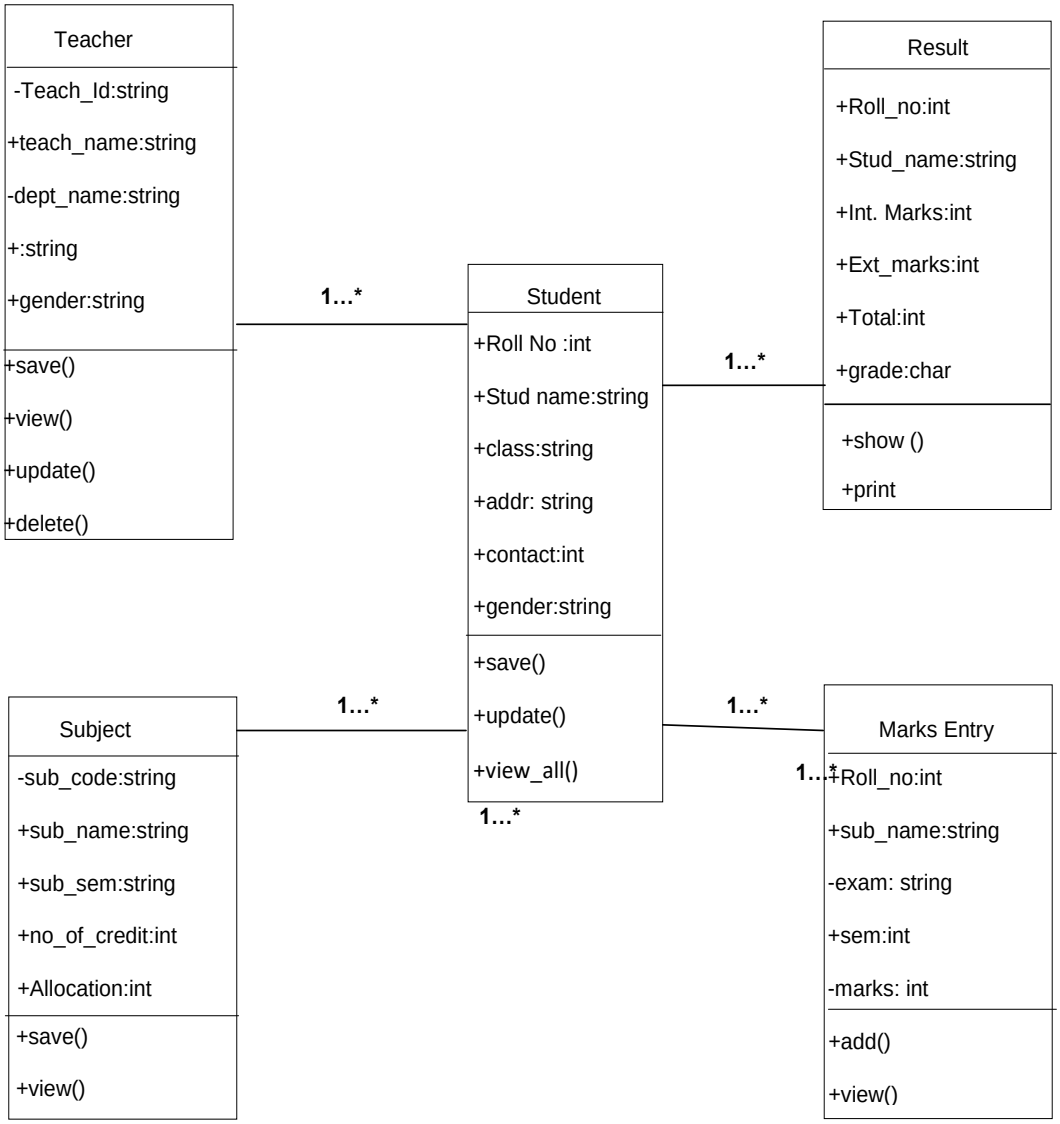
DIAGRAM

Developing

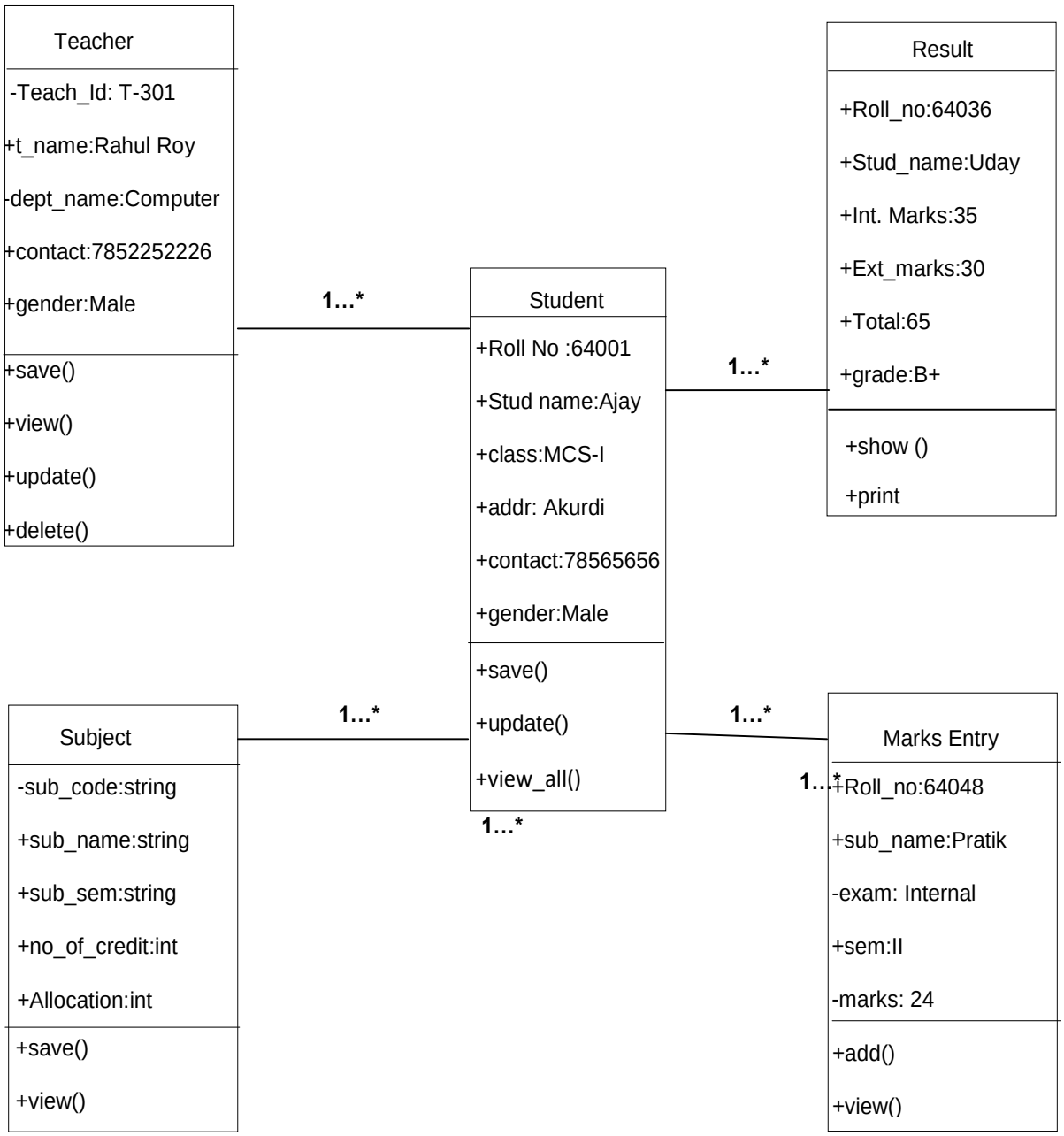
ER-Diagram


Admin
Add
Department
Teacher
has
Taught by
Guide
Teacher
Select
Course
Project
has
has
Semester
has
Subject
has
Exam
contain
I.Exam
E.Exam
contain
Credit Points
Gives
University Exam
Marks
Gives

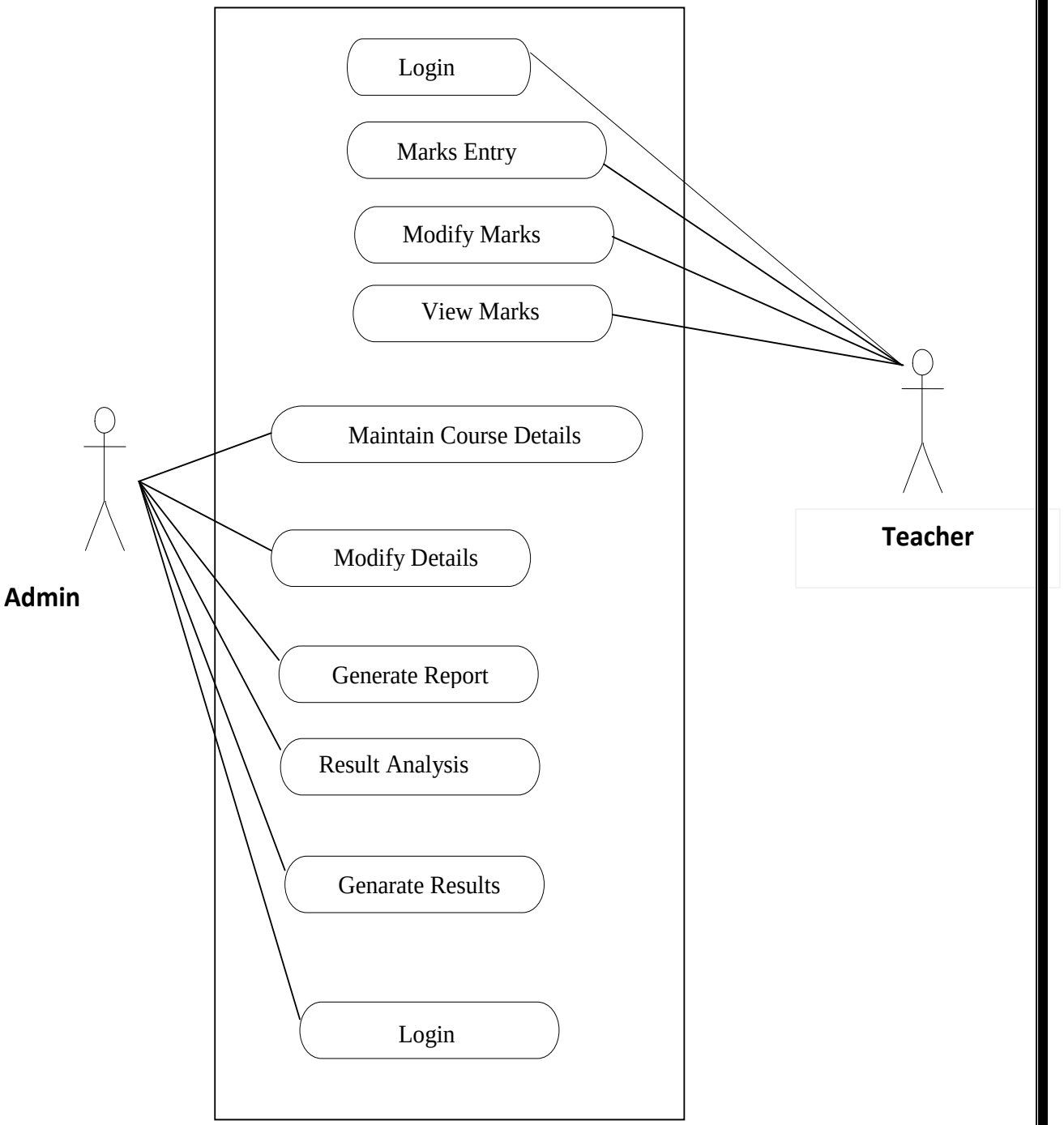
Class Diagram



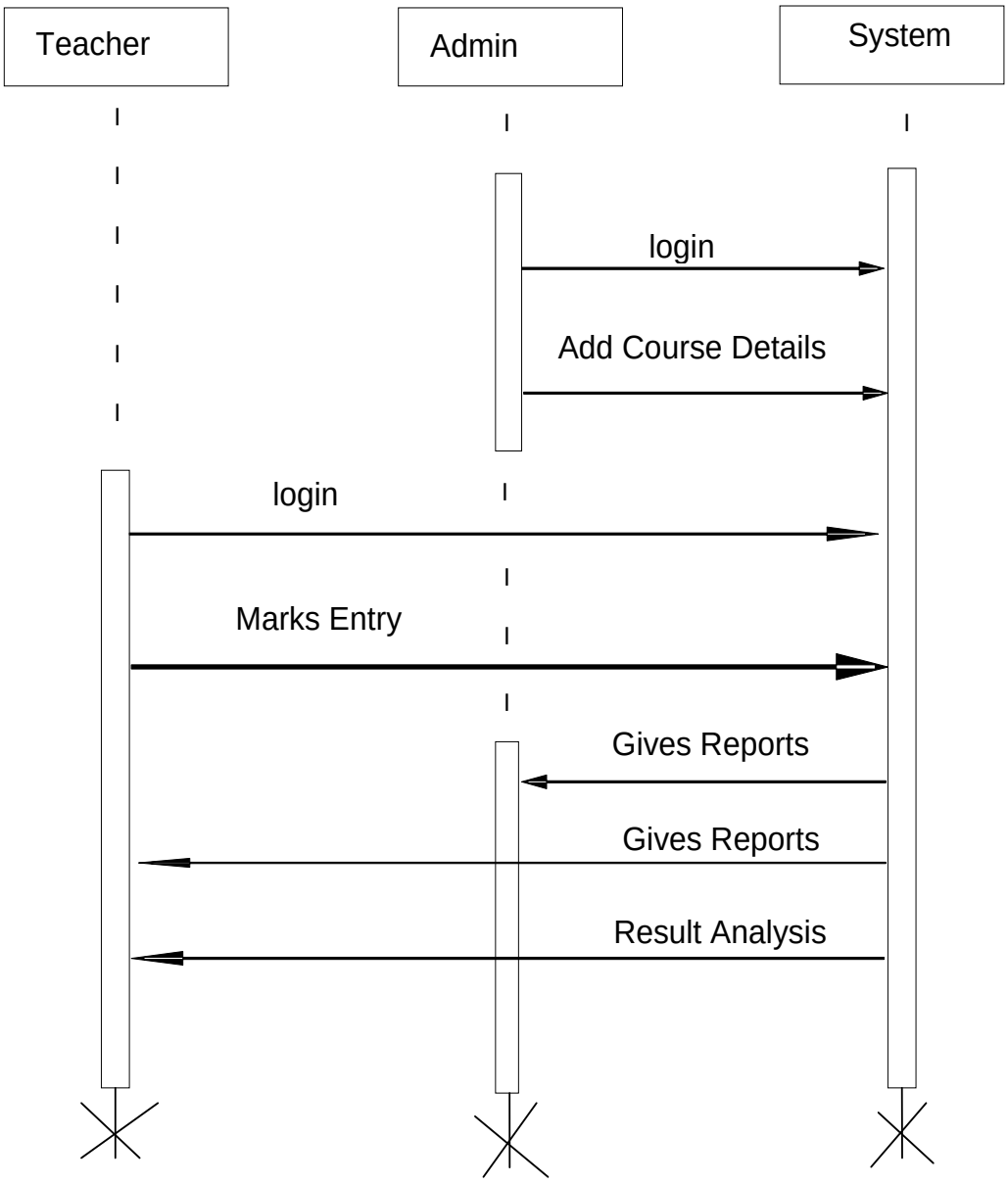
Object Diagram



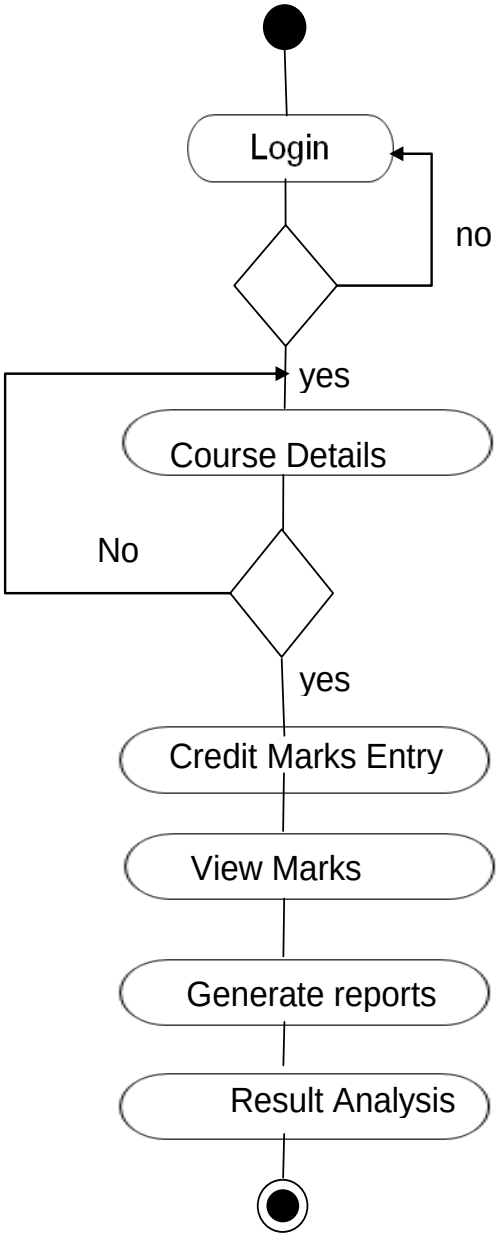
Use case Diagram



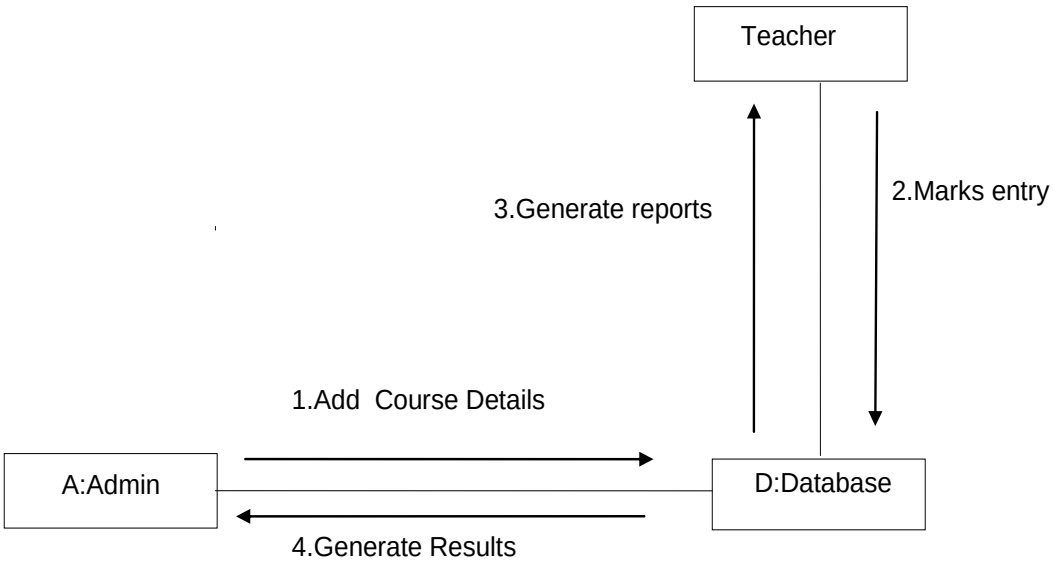
Sequence Diagram



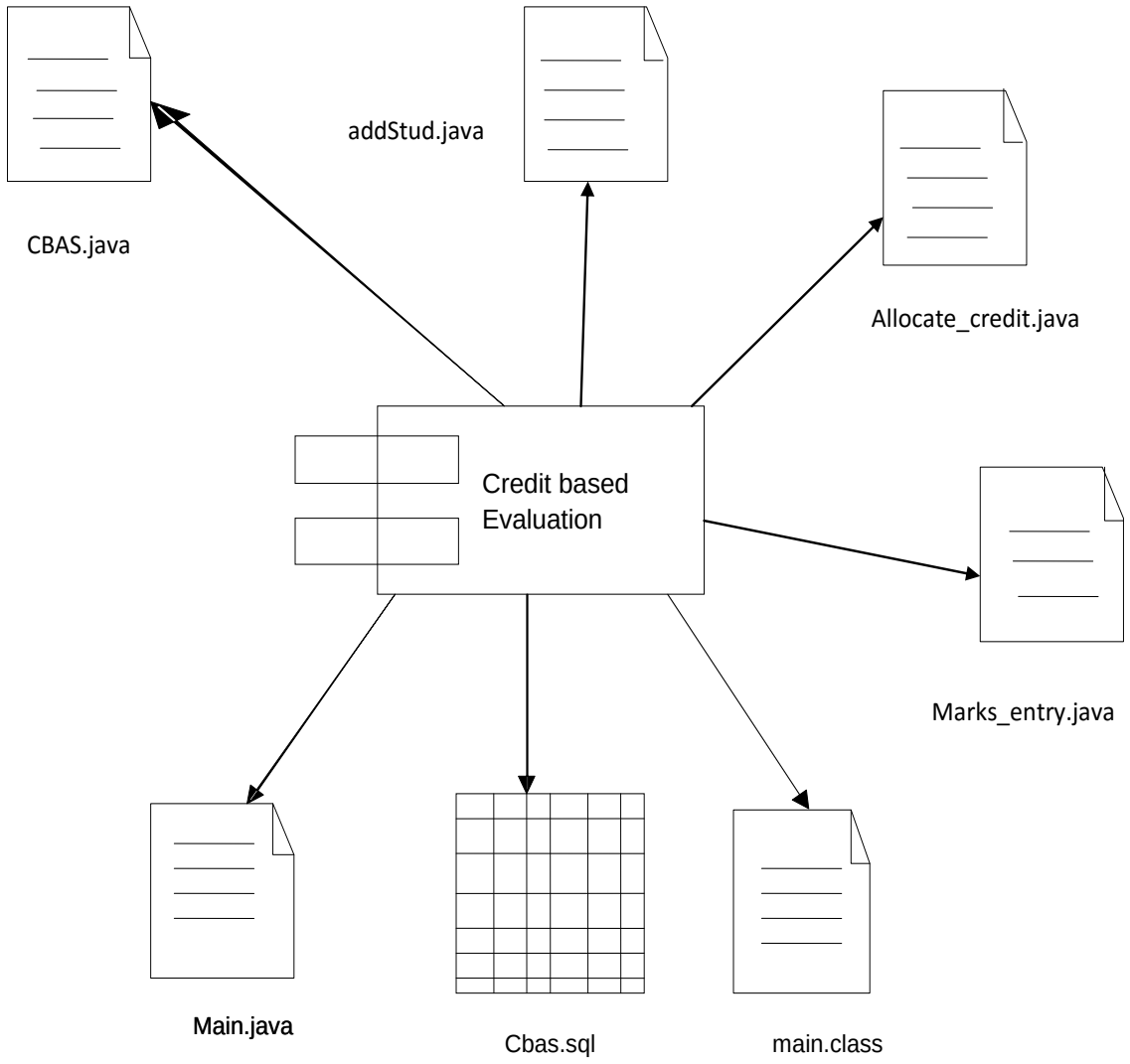
Activity Diagram



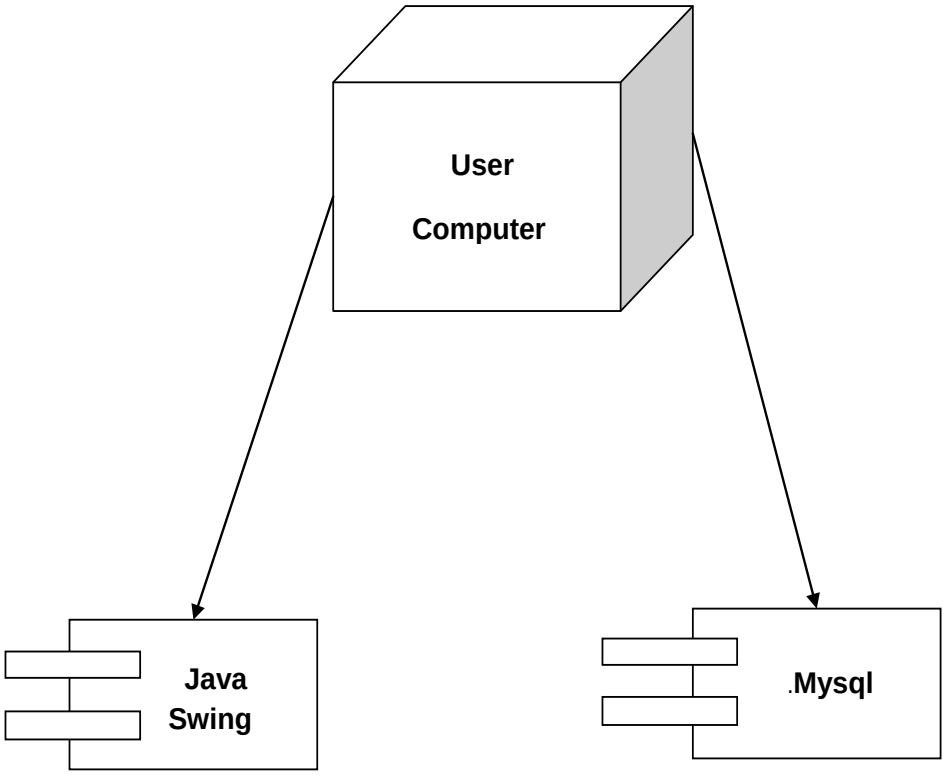
Collaboration Diagram



Component Diagram



Deployment Diagram



DATA Dictionary

1) loguser

Sr.No.	Field Name	Field Type	Description
1.	uname	Varchar(50)	To enter the username
2.	password	Varchar(50)	To enter the password

2) Student Info

Sr.No	Field Name	Field Type	Description
1.	Roll	Numeric(10)	Student Roll no
2.	sname	Varchar(100)	Student Name
3.	Sclass	Varchar(100)	Student Class
4.	addr	Varchar(100)	Student Address
5.	contact	Long	Student contact No
6.	Email	Varchar(100)	Student email_id
7.	DOB	Date	Date of birth
8.	gender	Varchar(50)	Student gender
9.	uniseat	Long	University exam code
10.	Acadmic_yr	Varchar(50)	Academic year

3) Subject Details

Sr.No	Field Name	Field Type	Description
1.	Sub_code	varchar(50)	Subject code
2.	Sub_name	Varchar(100)	Subject name
3.	Sem_no	Numeric(10)	Sem no in which subject is occur
4.	Dept_name	varchar(50)	Name of department
5.	Course_name	varchar(50)	Course name

4) Teacher Details

Sr.No	Field Name	Field Type	Description
1.	Teach_id	varchar(50)	Teacher Id No
2.	Teach_name	Varchar(100)	Name of Teacher
3.	Dept_name	Varchar(100)	Name of Department
4.	Contact_no	long	Contact no.
5.	Email_id	Varchar(100)	Email of teacher

5) Department Details

Sr.No	Field Name	Field Type	Description
1.	deptid	varchar(50)	Id of department
2.	dname	Varchar(80)	Name of department
3.	Contact	Long	Contact no.
4.	HOD	varchar(100)	Name of HOD

6) Course Details

Sr.No	Field Name	Field Type	Description
1.	deptid	varchar(100)	Id of department
2.	dname	Varchar(100)	Name of department
3.	Course_name	Varchar(100)	Course name
4.	No_of_sem	numeric(10)	No_of _sem in course

7) Master credit Entry

Sr.No	Field Name	Field Type	Description
1.	Sub_code	Varchar(50)	Subject Code
2.	Sub_name	Varchar(50)	Name of Subject
3.	Course_name	Numeric(100)	Course name
4.	Semester	Numeric(10)	Sem No.
5.	Credit_Activity	Numeric(10)	Required credit

8) credit Allocation

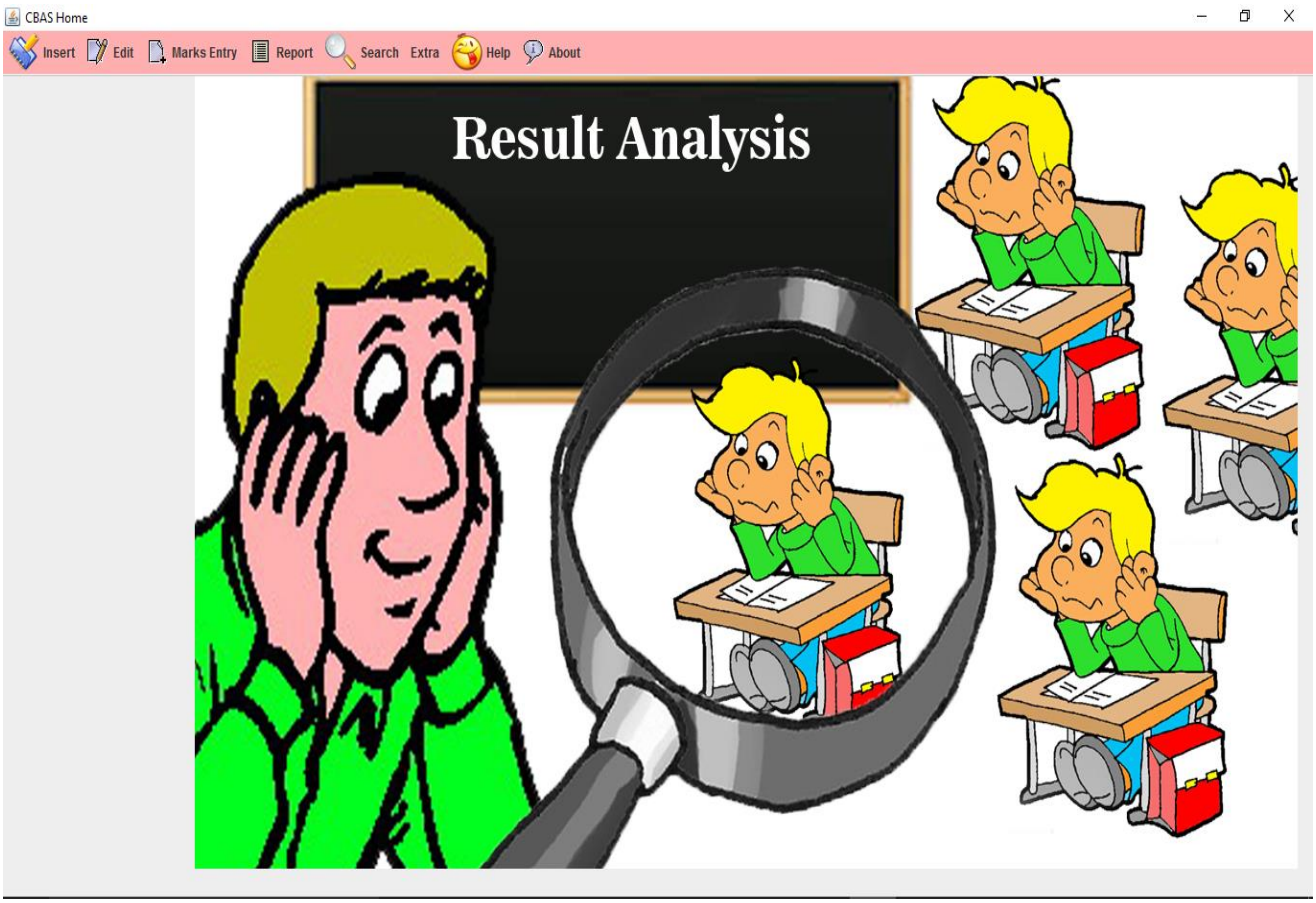
Sr.No	Field Name	Field Type	Description
1.	Sub_code	Varchar(30)	To Model number
2.	Credit No	Numeric(15)	Identification
3.	Acitivity_ name	Numeric(30)	Battery Details
4.	Marks_for_activity	Double	For price Details

9) Internal marks entry details

Sr.No.	Field Name	Field Type	Description
1.	Course_name	Varchar(100)	Course name
2.	Sem_no	Numeric	Semester no
3.	Sub_code	Varchar(50)	Subject code
4.	Sub_name	Varchar(100)	Subject name
5.	Credit No	Numeric	Credit activity no
6.	Roll no.	Numeric	Student roll no.
7.	sname	Varchar(100)	Student name
8.	marks	Numeric	Credit marks

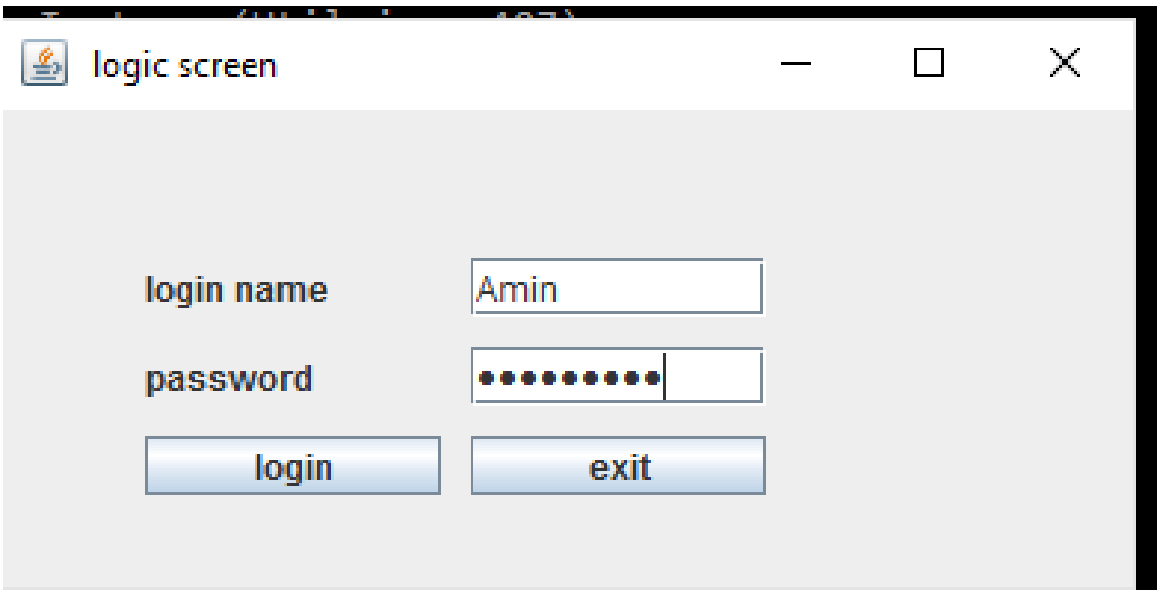
INPUT Screens

1) Home Screen



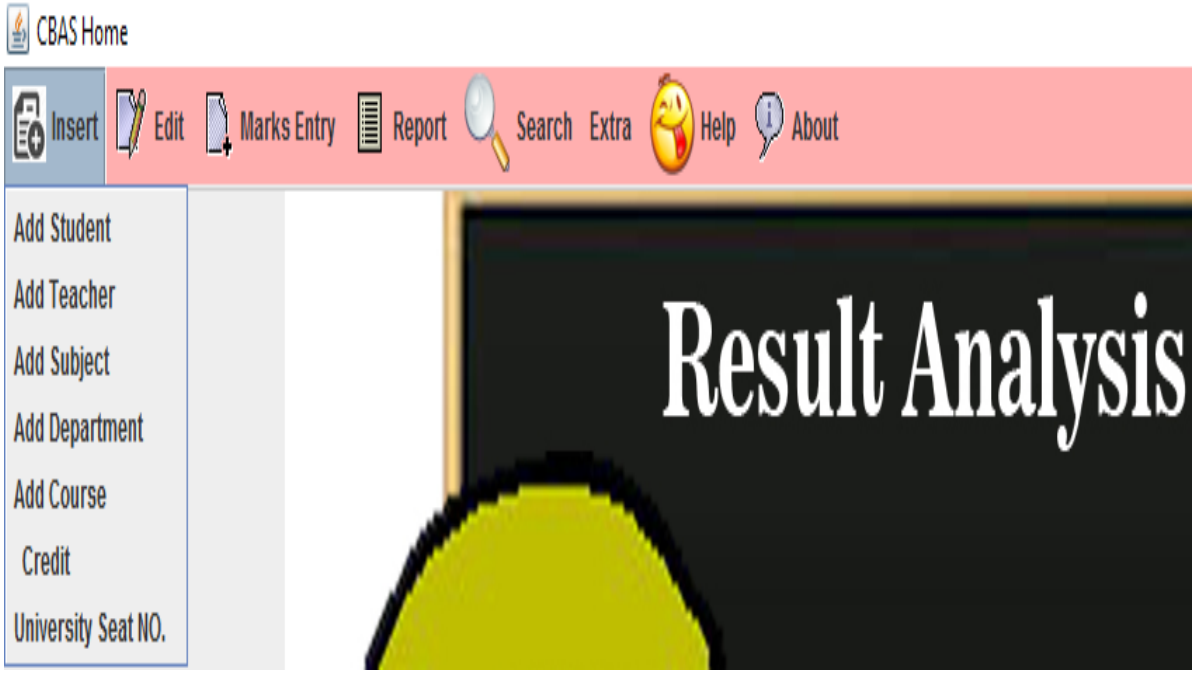
- Title window of credit based evaluation System.

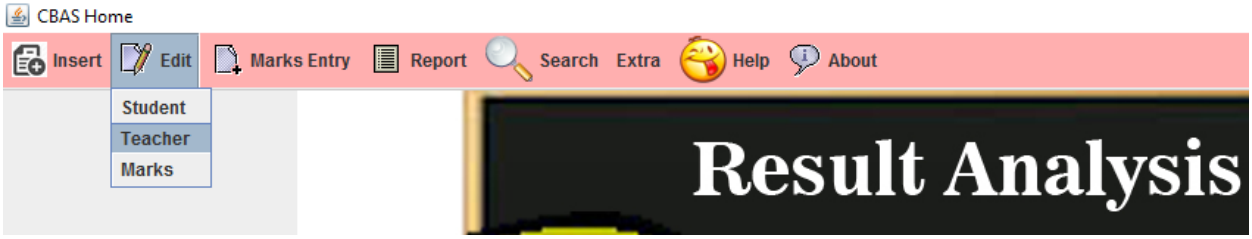
2) Login Screen

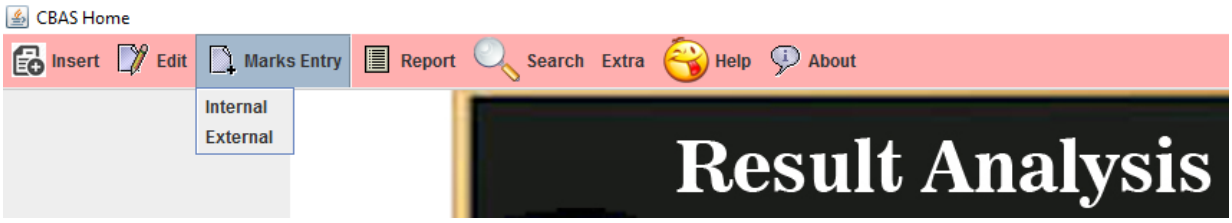


- Login window for Login into System.

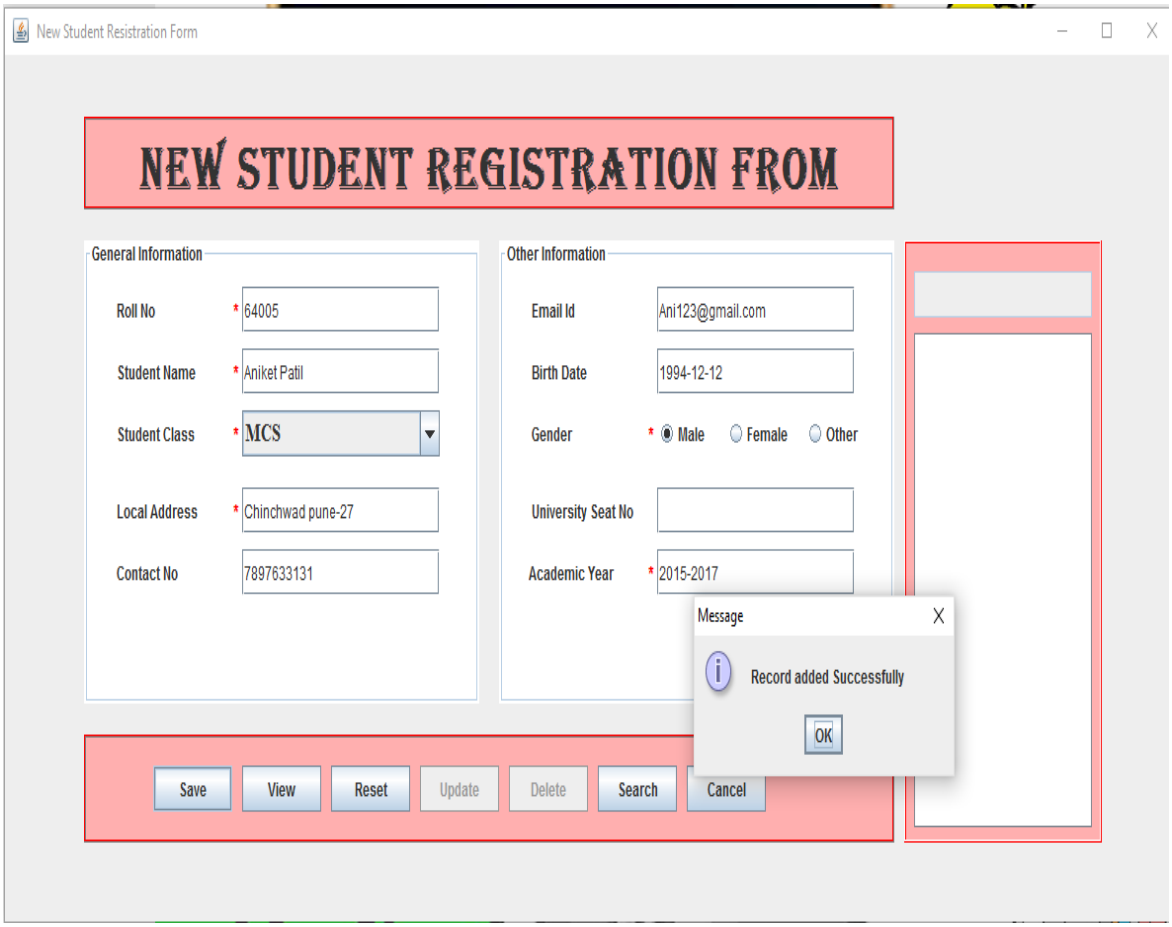
3) Menu Screen





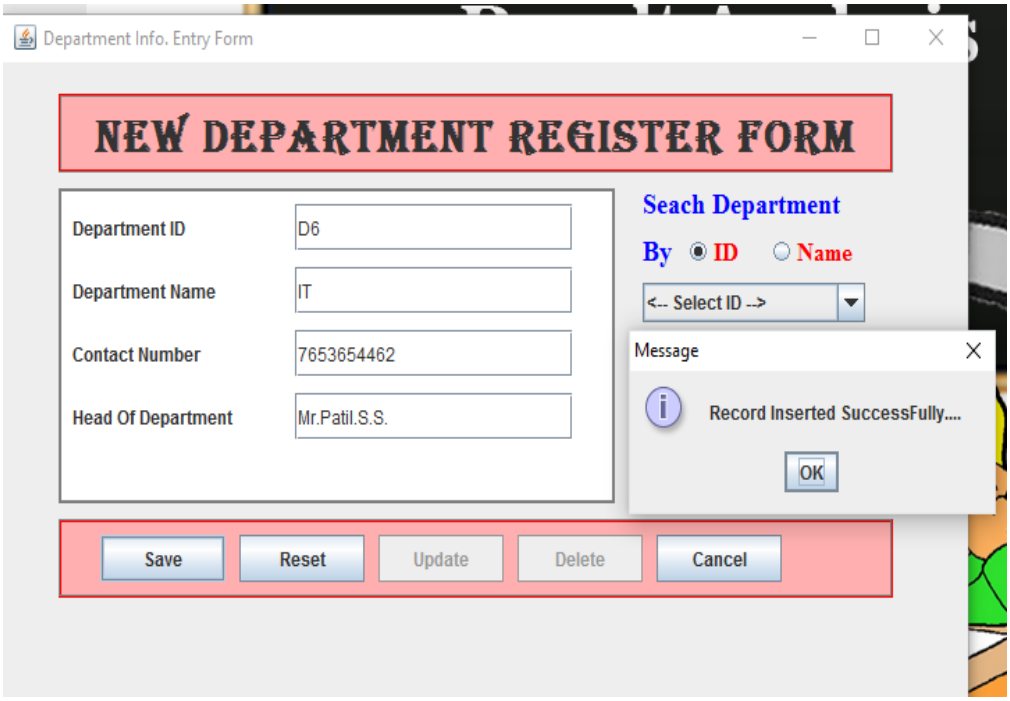


4) Add New Student Details form



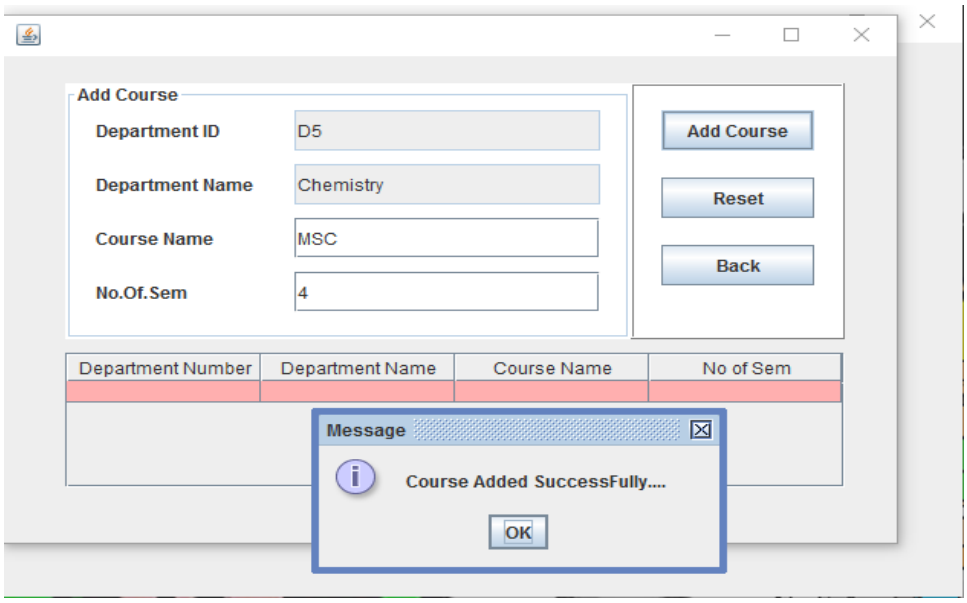
- New Student Registration Form

4) Department Details Form



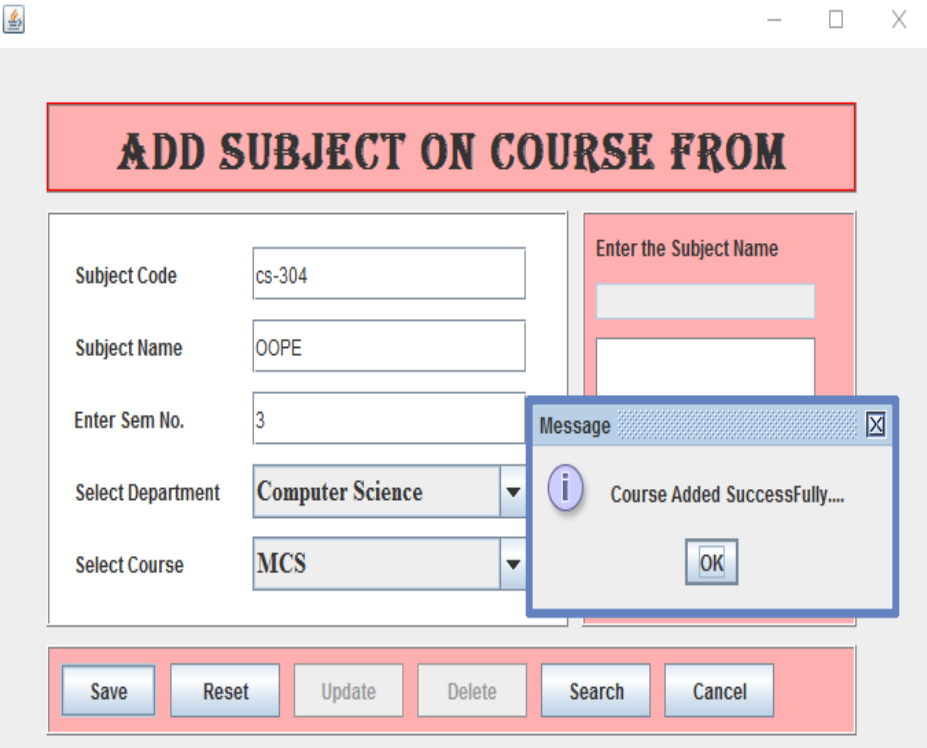
- Add New department Info.

6)Add New Course

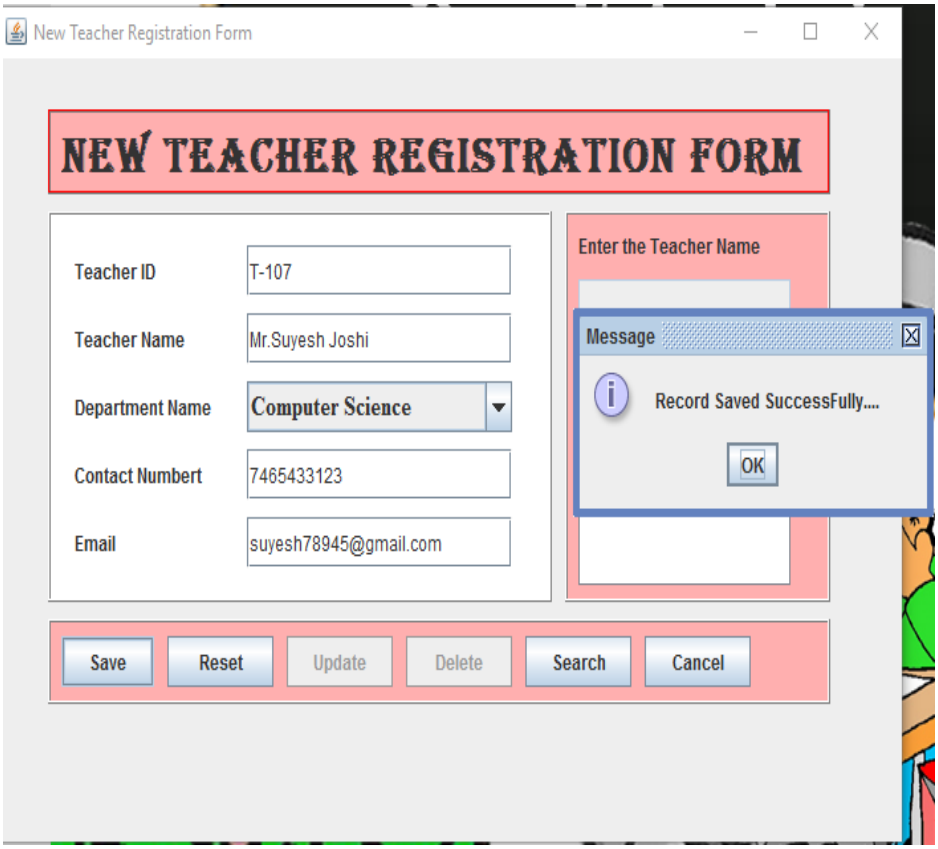


- Add the new Course Info.

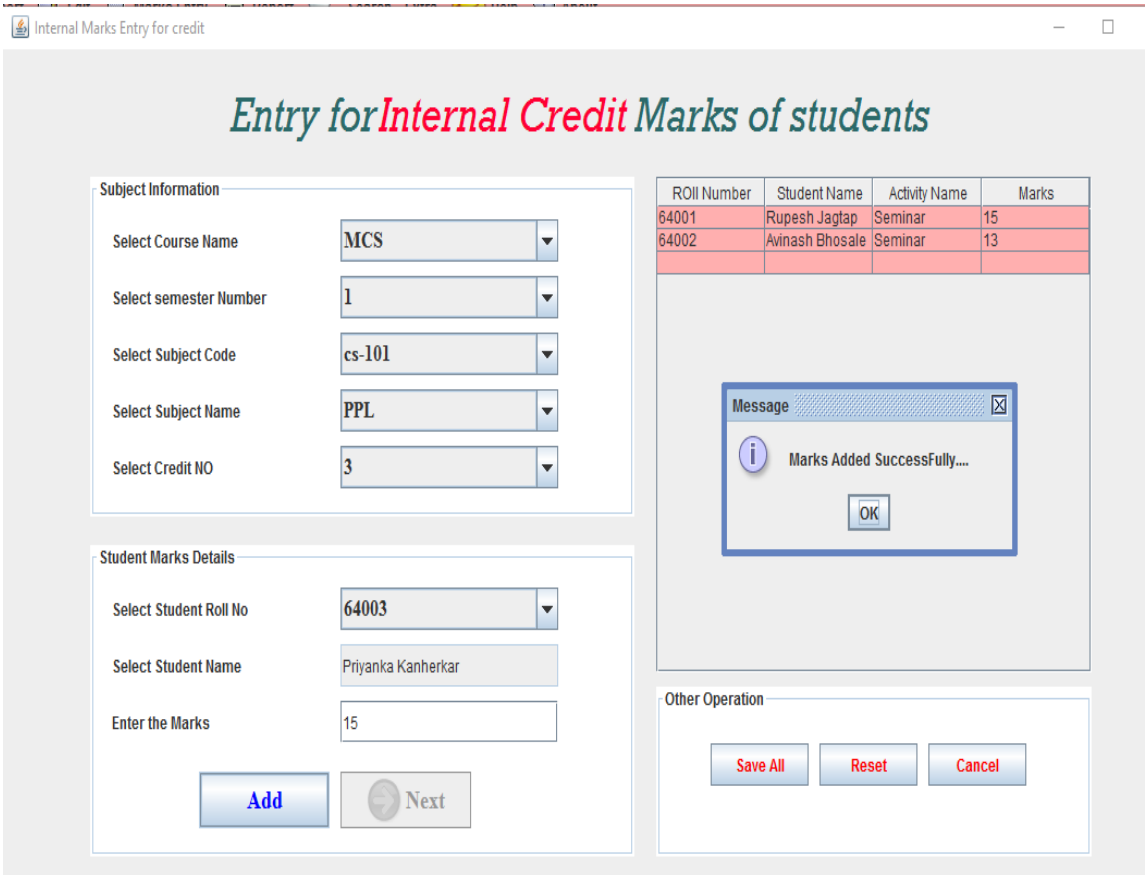
7) Add New Subject



8) Add New Teacher



9) Entry Marks for External marks

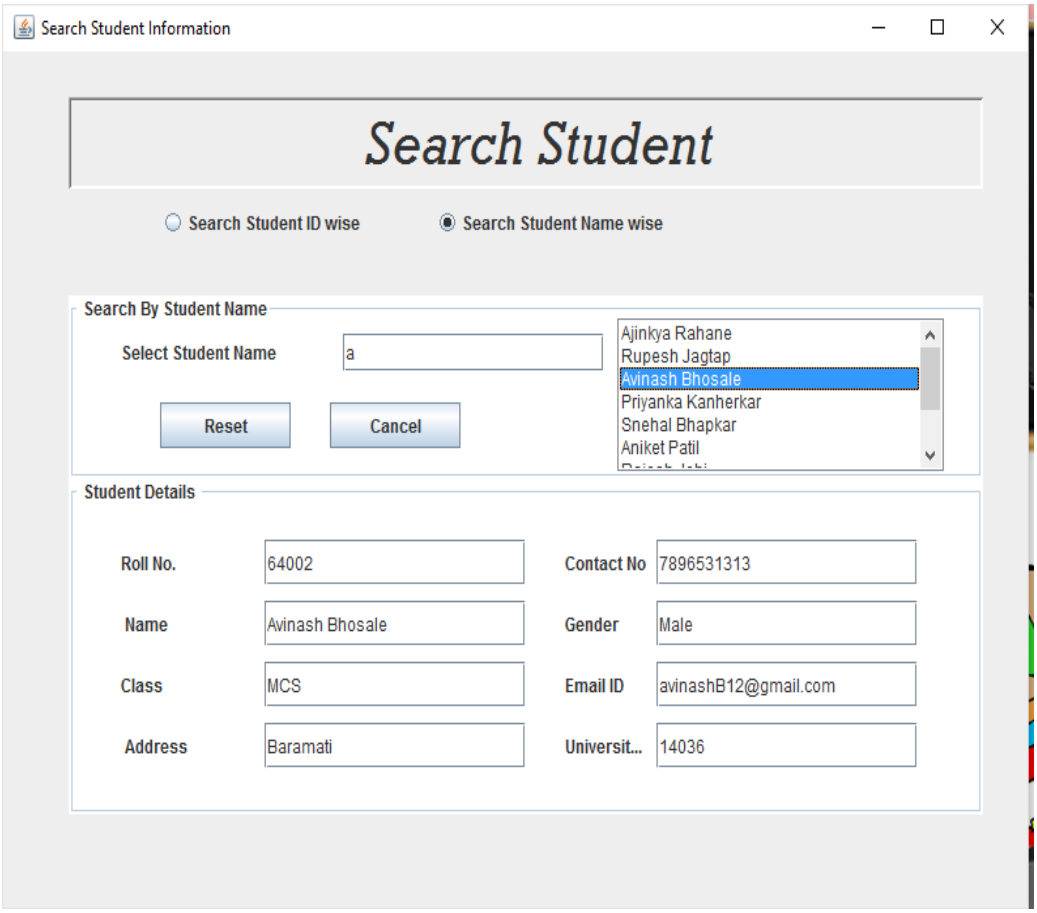


OUTPUT

Screens

10) Search Students

(by Id and Name)



11) View All Details of students

Details of the All Students

Roll No	Name	Course	Address	email	contact	Gender	Date Of Birth	Academic Year	Uni Seat
10253	Ajinkya Rahane	BCS	vai,Satara	ajinkya@gmail.com	8833441354	Male	2000-04-03	2015-2018	
64001	Rupesh Jagtap	MCS	Sagamaner	rp123@live.in	9011989737	Male	1990-12-31	2015-2017	13095
64002	Avinash Bhosale	MCS	Baramati	avinashB12@gmail.com	7896531313	Male	1993-03-12	2015-2017	14036
64003	Priyanka Kanherkar	MCS	PragatiNager,B...	Priyanka@gmail.com	7997632313	Male	1996-11-06	2015-2017	11000
64004	Snehal Bhapkar	MCS	Sanvi Pune-67	bhapkarSnehal78@yaho...	7896386341	Female	1997-08-25	2014-2016	
64005	Aniket Patil	MCS	Chinchwad pun...	Ani123@gmail.com	7897633131	Male	1994-12-12	2015-2017	
74001	Rajesh Johi	MCA	Akurdi -35	rajesh32@gmail.com	7894653231	Male	1994-06-25	2015-2017	15500
74002	Ajay Mehara	MCA	Pimpari	ajay34@gmail.com	8796351331	Male	1995-04-27	2015-2017	1333
74003	Ankita Kulkari	MCA	Nigadi	ankita12345@yahoo.com	7856356323	Male	1998-12-12	2015-2017	12200

- Report of Registered Student.

Future Enhancements

- Generate the graph report for the student result analysis system.
- Maintain the students academic project details.
- Marks Entry for External Exam .
- To Develop the more flexible user interface.

Conclusion

The “Credit Based Evaluation System”, which is developed, has many advantages over manual system.

Such as:

- The System beings automated saves both the time and efforts.
- Less man power is required for same job.
- Any kind of information regarding Students, marks of students, result of students marks as per various way like rank-wise, absent-wise etc. can be obtained immediately.
- The system has a user friendly user interface.
- Various reports are generated which helps in manage “Credit based evaluation System” in details. Proper error messages helps user to enter valid data.

Bibliography

The manuals / books referred during the analysis and the design of "Credit Based Evaluation system" are as follows:

- *The Complete Reference Java 2: By Herbert Schildt.*
- Object Oriented Software Engineering reference book
- *www.google.com*