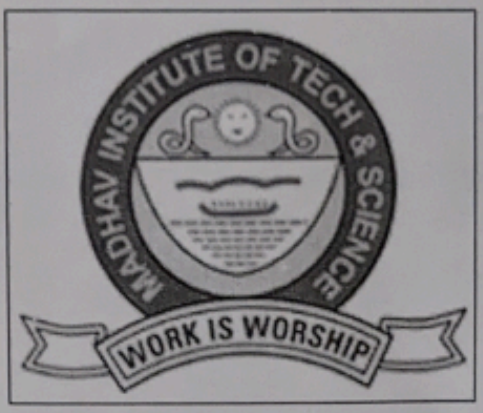
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)



Project Report

On

ONLINE EXAMINATION SYSTEM

Submitted By:

NADEEM AHMAD BABA

Enrolment No.

0901CS191063

Faculty Mentor:

PROF. MIR SHAHNAWAZ AHMAD

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

CERTIFICATE

This is certified that **NADEEM AHMAD BABA** (0901CS191063) has submitted the project report titled ONLINE EXAMINATION SYSTEM under the mentorship of PROF. MIR SHAHNAWAZ AHMAD in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.

10/05/22

Prof.MIR SHAHNAWAZ AHMAD
Asst. Professor, Department of
Computer Science and Engineering

10/05/22

Dr. Manish Dixit
Professor and Head,
Computer Science and Engineering

Dr. Manish Dixit
Professor & HOD
Department of CSE
M.I.T.S. Gwalior

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

DECLARATION

I hereby declare that the work being presented in this project report, for the partial fulfilment of requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of PROF. MIR SHAHNAWAZ AHMAD, PROFESSOR DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

I declare that I have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.

NADEEM AHMAD BABA
0901CS 191063
3rd year 6th sem
Computer Science and Engineering

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

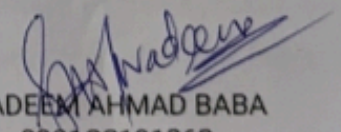
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

ACKNOWLEDGEMENT

The full semester project has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology and Science** to allow me to continue my disciplinary/interdisciplinary project as a curriculum requirement, under the provisions of the Flexible Curriculum Scheme (based on the AICTE Model Curriculum 2018), approved by the Academic Council of the institute. I extend my gratitude to the Director of the institute, **Dr. R. K. Pandit** and Dean Academics, **Dr. Manjaree Pandit** for this.

I would sincerely like to thank my department, **Department of Computer Science and Engineering,** for allowing me to explore this project. I humbly thank **Dr. Manish Dixit**, Professor and Head, Department of Computer Science and Engineering, for his continued support during the course of this engagement, which eased the process and formalities involved.

I am sincerely thankful to my faculty mentors. I am grateful to the guidance of **Prof MIR SHAHNAWAZ AHMAD** PROFESSOR DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, for his continued support and guidance throughout the project. I am also very thankful to the faculty and staff of the department.



NADEEM AHMAD BABA
0901CS191063
3rd year 6th semester
Computer Science and Engineering

ABSTRACT

purpose of online examination system using ASP.NET is to take online test by students at any time from any part of the world in an efficient and systematic manner. It does not waste time on checking the paper manually it checks the paper online when he clicks the end test button the result will immediately display over the screen. The main aim of online examination system using ASP.NET and SQL Server give the result very fast. If the power goes between the examination, the examination will start from where he left the examination, it does not start examination from start (means from question no 1) this is the hallmark of this system. The students can give test according to their convenience and time from anywhere and there is no need of using extra thing like paper, pen etc.

Table of Contents

1. Synopsis. 5

2. Feasibility Study. 8

3. Working Of Present System. 10

4. Characteristics of The Proposed System. 11

5. Data Tables 12

6. Data Flow Diagrams 15

7. Entity Relationship Diagram. 19

8. Screen Shots Of Form. 21

ONLINE TEST SYSTEM

PURPOSE:

The purpose of on-line test simulator is to take online test in an efficient manner and no time wasting for checking the paper. The main objective of on-line test simulator is to efficiently evaluate the candidate thoroughly through a fully automated system that not only saves lot of time but also gives fast results.

For students they give papers according to their convenience and time and there is no need of using extra thing like paper, pen etc.

SCOPE:

Scope of this project is very broad in terms of other manually taking exams.

Few of them are:-

- This can be used in educational institutions as well as in corporate world.
- Can be used anywhere any time as it is a web based application(user Location doesn't matter).
- No restriction that examiner has to be present when the candidate takes the test.

FEATURES:

- Secure
- Easy to use
- Reliable and accurate
- No need of examiner

TECHNOLOGIES USED

Front end as:

HTML

Back end as:

Advance Java

Server:

Apache tomcat 6.0

Database:

Microsoft access

Querying language:

Sql

FEASIBILITY STUDY

1.) ECONOMIC FEASIBILITY

Economic analysis is most frequently used for evaluation of the effectiveness of the system. More commonly knows as cost/benefit analysis the procedure is to determine the benefit and saving that are expected from a system and compare them with costs, decisions is made to design and implement the system.

This part of feasibility study gives the top management the economic justification for the new system. This is an important input to the management the management, because very often the top management does not like to get confounded by the various technicalities that bound to be associated with a project of this kind. A simple economic analysis that gives the actual comparison of costs and benefits is much more meaningful in such cases.

In the system, the organization is most satisfied by economic feasibility. Because, if the organization implements this system, it need not require any additional hardware resources as well as it will be saving lot of time.

2.) TECHNICAL FEASIBILITY

Technical feasibility centers on the existing manual system of the test management process and to what extent it can support the system. According to feasibility analysis procedure the technical feasibility of the system is analyzed and the technical requirements such as software facilities, procedure, inputs are identified. It is also one of the important phases of the system development activities.

The system offers greater levels of user friendliness combined with greater processing speed. Therefore, the cost of maintenance can be reduced. Since,

Admin Table:

S.No.	Field name	Data Type	Description
1.	User name	Text	Store user name for checking correct username
2.	Password	Text	Store password corresponding to username
3.	User Type	Text	User Type Administrator or User

Teacher Table:

S.No.	Field name	Data Type	Description
1.	Teacher Id	Number	Unique key for Every Teacher
2.	Teacher Name	Text	Name of Teacher

Attendance Table:

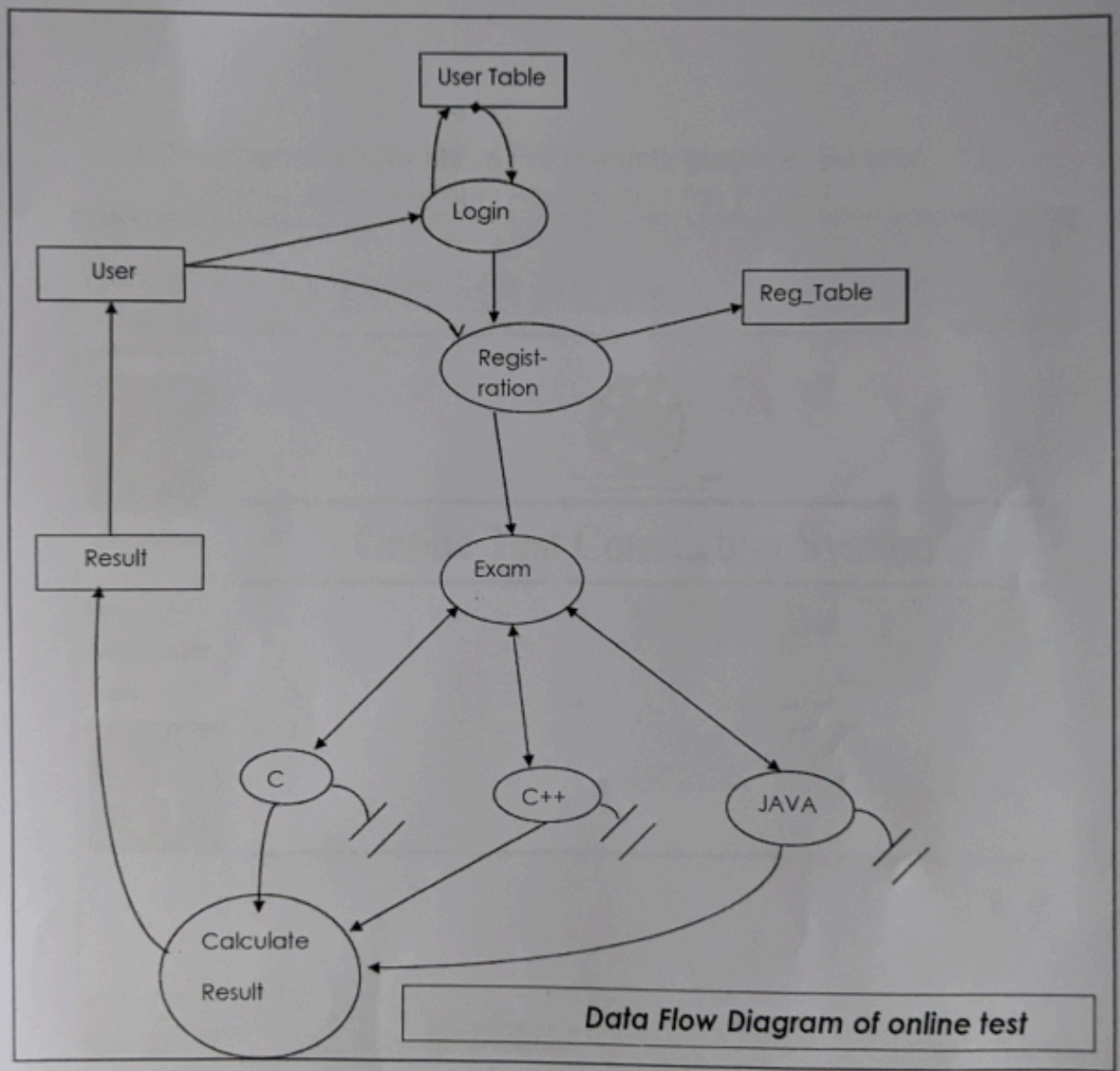
S.No.	Field name	Data Type	Description
1.	Student Name	Text	Name of Student
2.	Status	Number	Total number classes attended by particular Student
3.	Semester	Text	In which Semester Student is Studying
4.	Subject	Text	The Subject Wise Attendance is maintained
5.	Month	Text	The Month Wise Attendance is maintained where total working days in month=20

Subject Table:

S.No.	Field name	Data Type	Description
1.	Code	Number	Subject code a unique key
2.	Subject Name	Text	Name of Subjects in all semester
3.	Semester	Text	In which Semester student is studying

Student Table:

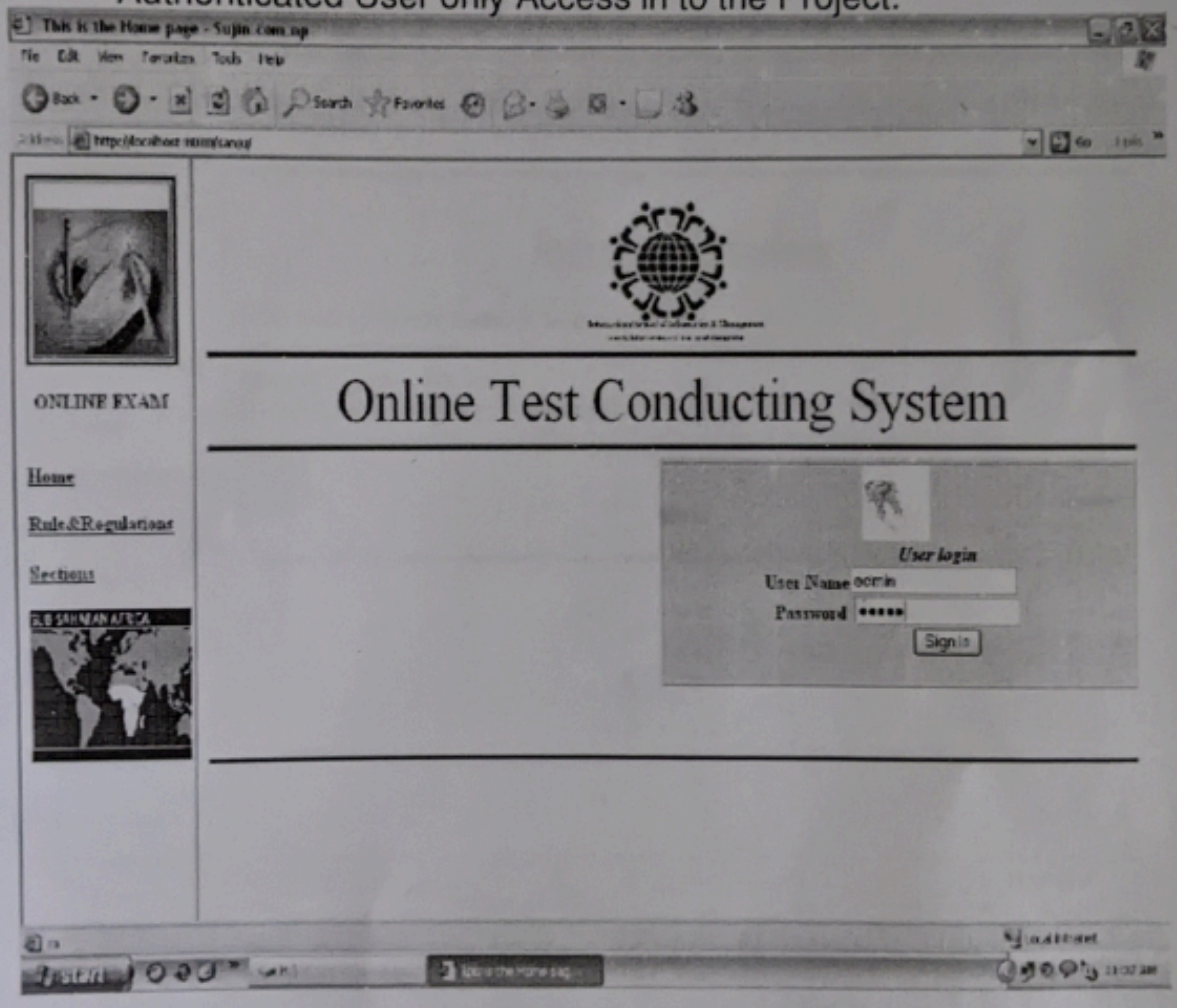
S.No.	Field name	Data Type	Description
1.	Student ID	Number	This is the roll no of the student
2.	Student Name	Text	This is the name of student
3.	Course	Text	This is the course in which the students are studying .By default course is MCA
4.	Semester	Text	This is the semester in which Students are Studying. By default Semester is IV sem



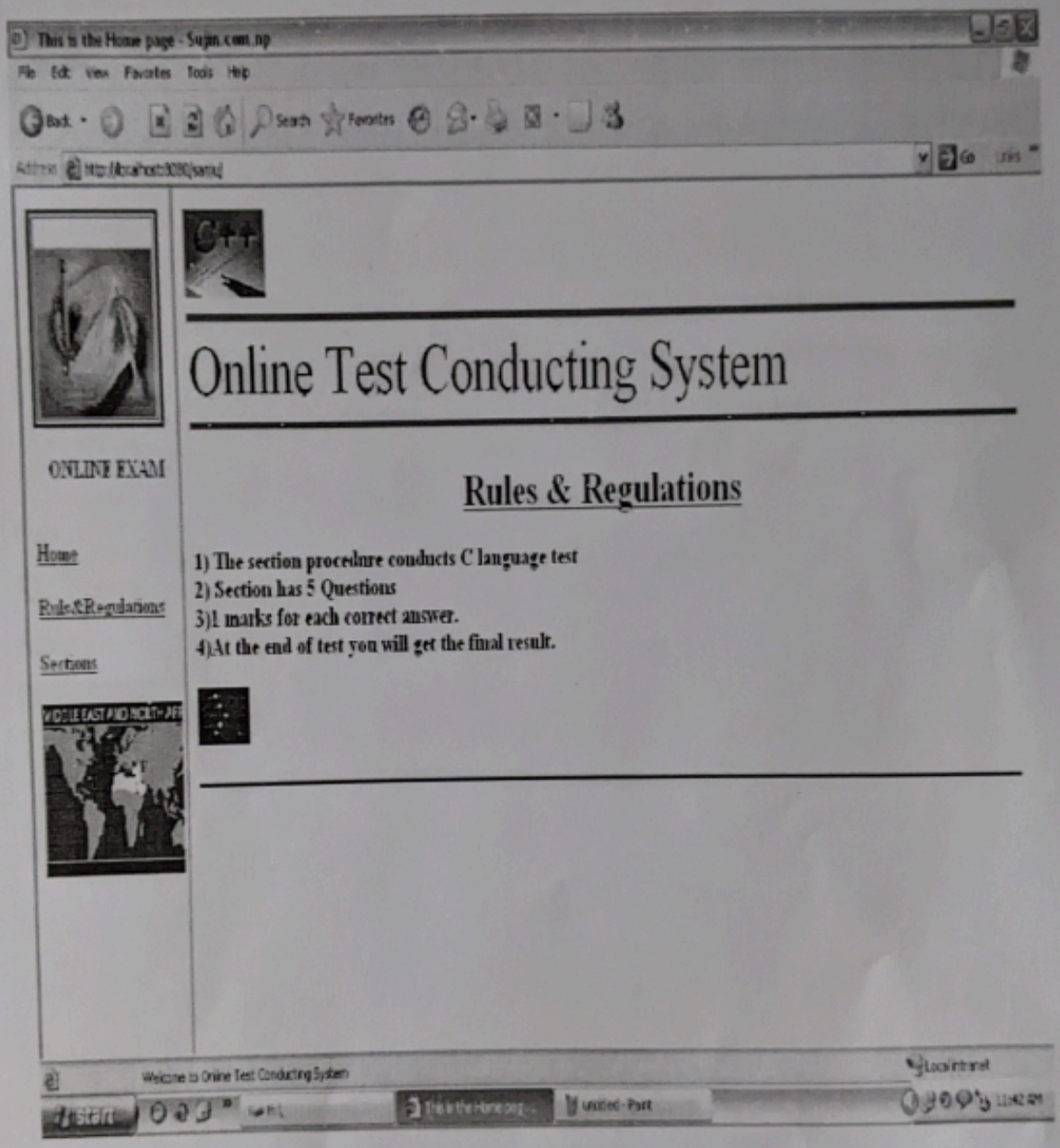
Data Flow Diagram of online test

1. Login Form

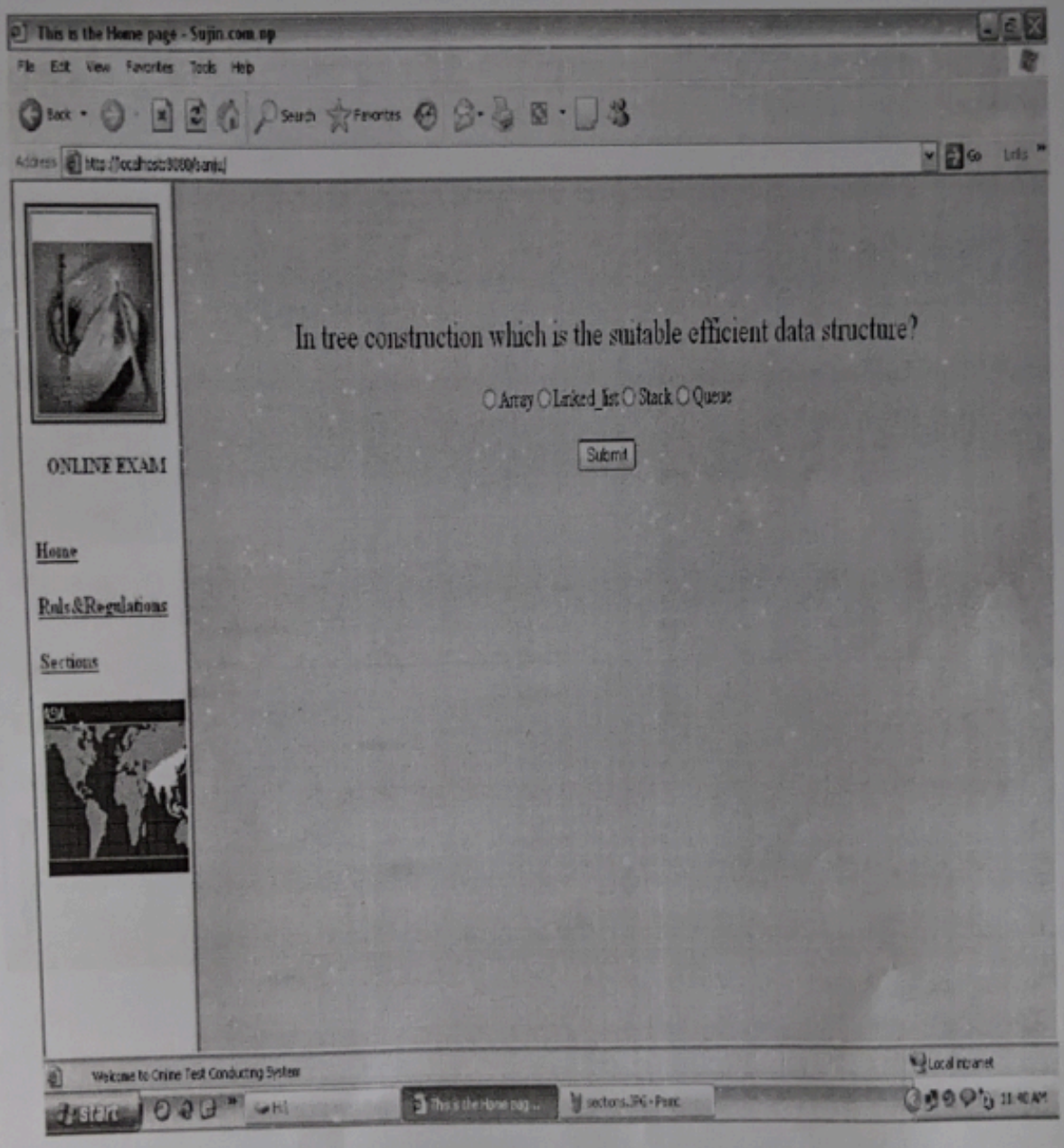
1. This login Form is made For Security purpose. So only Authenticated User only Access in to the Project.



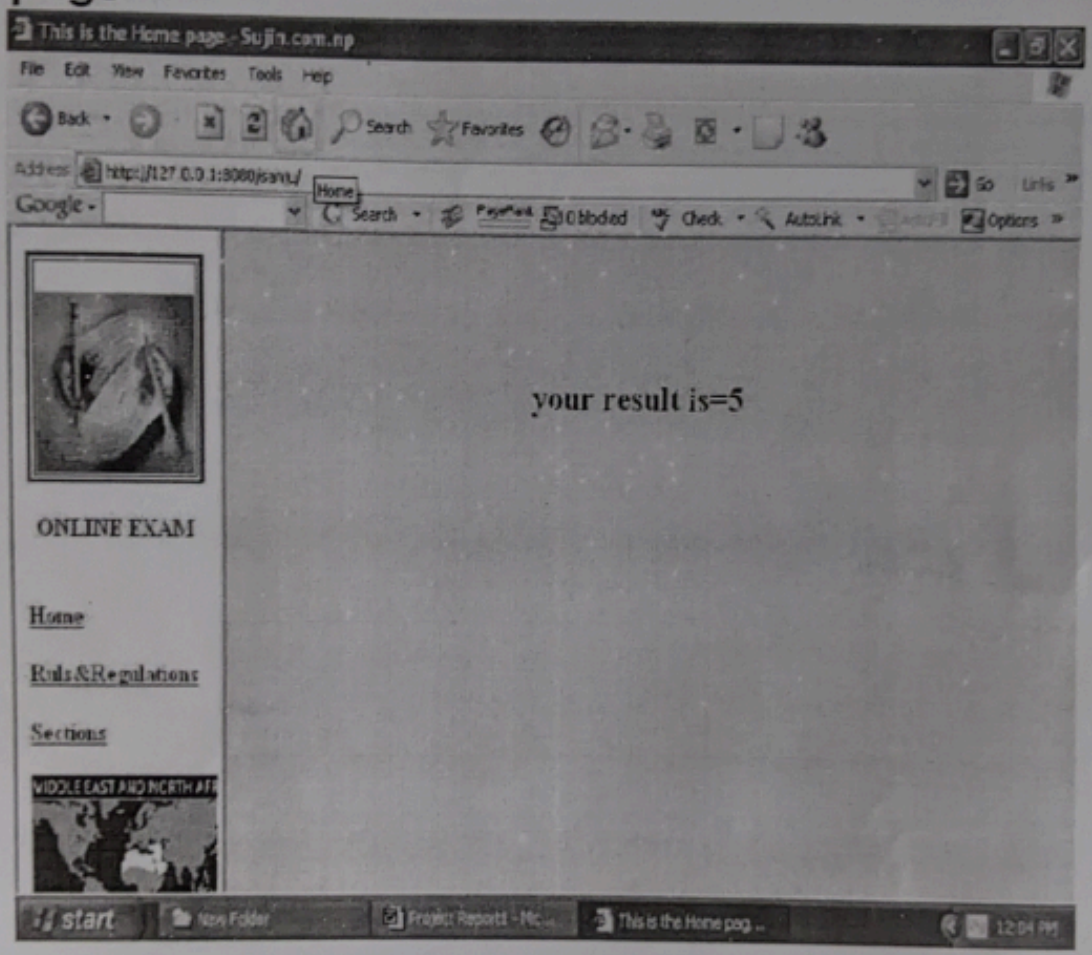
2. Rules and regulations



3. Section page


This is the Home page - Sujin.com.np
File Edit View Favorites Tools Help
Back Search Favorites
Address http://localhost:8080/sanju/
ONLINE EXAM
Home
Rules&Regulations
Sections
In tree construction which is the suitable efficient data structure?
Array Linked_list Stack Queue
Submit
Welcome to Online Test Conducting System
Local intranet

5 Result page



CONCLUSION

The On line test System is developed using Java and sqlfully meets the objectives of the system for which it has beendeveloped. The system has reached a steady state where allbugs have been eliminated. The system is operated at ahigh level of efficiency and all the teachers and userassociated with the system understands its advantage. Thesystem solves the problem. It was intended to solve asrequirement specification

Scope of this project is very broad in terms of other manually taking exams.Few of them are:-

This can be used in educational institutions as well as in corporateworld.

Can be used anywhere any time as it is a web based application(userlocation doesn't matter).

No restriction that examiner has to be present when the candidatetakes the test