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Project on Online Exam

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Project Proposal

1. ***Acknowledgement***
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# We sincerely wish to thank all those persons who spared their valuable time for guiding and helping us to complete this project.

## We specially thank to Mr. keyur and Mr. pradip for giving us the opportunity to develop the project of Online Exam.

* **We thank our Faculty for guiding us and giving us special tips for the improvement in our project.**
* **Finally, we would like to thank the staffs of Computer department, who have played a very important role in strengthening our carrier by providing their full co-operation and encouragement throughout our tenure of the course.**

* **“Online Exam project “is providing the facility to the students and Faculty to take any Exam online instead of taking exam on paper.**
* **This Project is based on Online Exam System in which we have created web application for online Exam for any field.**
* **We also included the facilities of web came capture facility so students are no copy during the Examination.**
* **Our website would utilize the Information Technology to cross all the barriers of human workload and make it comfortable for all tourists who wish to give their choice-of-destinies well in anticipation whilst sitting in the comfort of their homes and obviously, from any nook and corner of the world.**
* **It contains various forms and reports with different function, Above all, our website would be very simple and user-friendly, so that even an Internet layman or a simple user can easily get comfortable with it.**
* **Along with the functional aspects of “Online Exam” additional attention would also be paid to its non-functional aspects such as performance, availability and security.**
* **The system shell maintains Record of all students.**
* **This system shows available all the subjects and exams.**
* **If student wants to give the exam then they has to give his\her personal Information like name, exam name and so many other information’s.**

* **In our Project “Online Exam” it has a facility to give an online exam.**
* **Students are choosing the Subject of the Exam which they want to give.**
* **“Online Exam project” provides the facility of web came capture facility so students are no copy during the Examination.**
* **No supervisors are required in online Exam because the entire exam is taking directly on computer or laptop system.**
* **Student can’t copy during the Exam because of web came capture photo facility.**
* **The project is providing the facility of web came; if any student trying to copy during the examination then system is capturing the photo of the student and the system is hang quickly.**

**The online Exam requires following Hardware Configuration:**

**Hardware Requirement:**

* + **Pentium Processor**
  + **Webcam**
  + **Hard Disk**
  + **RAM: 256 MB**

**The online Exam requires following Software Configuration:**

**Software Requirement:**

* **Microsoft Visual Studio 2008**
* **Sql Server 2008**
* **This proposed System is basically used by three users Administrator, students, and user.**
* **The System takes information from the new Students who want to give the Exam.**
* **The Administrator shall view this information.**
* **In online Exam it is the most advantage is that time consuming and no supervisor requirement because of webcam facility.**
* **“Online Exam project” provides the facility of web came capture facility so students are no copy during the Examination.**
* **In our Project “Online Exam” it has a facility to give an online exam.**
* **The project is providing the facility of web came; if any student trying to copy during the examination then system is capturing the photo of the student and the system is hang quickly.**

## Data Flow Diagram (DFD)

* **User criteria DFD**

**USER**

**Give Online Exam**

**Login**

**Brain Games**

**Register**

**About GCET**

* **User Authentication DFD**

**USER**

**YES**

**NO**

**HOME PAGE**

**DISPLAY**

**MESSAGE**

* If User Successfully Login then they can Give online GCET exam as GTU conduct.

User DFD

* **Admin Authentication & Criteria DFD**

**NO**

**Admin**

**Feedback**

**Questions**

**YES**

**Display Message**

**Check as a user.**

**ADMIN**

Update

Add

Delete

**Visited user**

## Data Dictionary

* Table Name:-Login Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Data Type** | **Size** | **Constraints** |
| Username | Varchar | 30 |  |
| Password | Varchar | 30 |  |
| Q1 | Varchar | 5 |  |
| Q2 | Varchar | 5 |  |
| Q3 | Varchar | 5 |  |
| Q4 | Varchar | 5 |  |
| Q1 | Varchar | 5 |  |
| Q2 | Varchar | 5 |  |
| Q3 | Varchar | 5 |  |
| Q4 | Varchar | 5 |  |
| Q1 | Varchar | 5 |  |
| Q2 | Varchar | 5 |  |
| Total | Varchar | 5 |  |
| Grade | Varchar | 5 |  |

* Feedback Table
* Table Name:-feedback

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Data Type** | **Size** | **Constraints** |
| name | Varchar | 20 |  |
| email\_id | Varchar | 20 |  |
| contact\_no | Varchar | 13 |  |
| Comments | Varchar | 200 |  |
| Suggestion | Varchar | 300 |  |

* Gcet Exam Table
* Table Name:-Gcet Exam

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Data Type** | **Size** | **Constraints** |
| Qno | Varchar | 3 |  |
| Que | Varchar | 300 |  |
| OP\_A | Varchar | 50 |  |
| OP\_B | Varchar | 50 |  |
| OP\_C | Varchar | 50 |  |
| OP\_D | Varchar | 50 |  |
| Tans | Varchar | 3 |  |

* **Analysis of System is the process of gathering facts, solution of problems and to decide over all constitution of the desired system. In System analysis, we have to analyze all the processes, related features, required functions, available sources and the time which should be specified for the analysis stage.**
* **The most important phase of developing any system is system analysis. Because of the analysis phase decides that what type of requirements, materials, strategies, techniques, models are required.**
* **All these things are depend upon our system that what type of outputs of our system or functions, we desired from the system is also responsible for defining the above factors. So the overall structure of system that we want to implement will be decided in analysis part of a system development by analyst.**

* **One of the main meanings of the feasibility study is possibility. Checking of different criteria for successful system is included in this feasibility study section.**
* **These criteria are cost, time, efficiency etc. all these factors play important role in achieving objective of system. That means the system should be such that it gives optimum performance at minimum cost, time and requirement.**
* **The six types of feasibility study are,**
* ***Operational feasibility:***
* **The system should be easy to operate by the system user.**
* **The user should be given operating manual about the system.**

***Technical feasibility :***

##### **Technically the systems configuration should be less complex.**

##### **Here, for software system technical feasibility system means technically it should be comfortable for further maintenance.**

***Economical feasibility:***

* **According to the concept of economical study the system should be completed with minimum cost.**
* **This is the most important factors for any system.**

***Time feasibility:***

**Time feasibility study is a determination of whether a proposed project will be completed within given time; we have achieved this thing in our system.**

***Management feasibility:***

* **It is a determination whether the Online Exam system will be acceptable to the management.**
* ***Social feasibility:***
* **Social feasibility is a determination of whether the new system will be acceptable to the Students or not.**

**This project required minimum hardware component is:**

* **Computer or laptop**
* **Webcam**
* **Internet**

**We use software in our project is:**

* **Microsoft Visual Studio 2008**
* **Sql Server 2008**

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**To develop the online exam the concept of platform is given below:**

**Project Title: Online Exam**

**Platform: Microsoft Visual Studio 2008**

**Database: Sql Server 2005**

**Documentation Tools: Microsoft Office 2007**

**ASP.Net :**

* **What is ASP.NET? ASP.NET stands for Active Server Pages .NET and is developed by Microsoft. ASP.NET is used to create web pages and web technologies and is an integral part of Microsoft's .NET framework vision.**
* **As a member of the .NET framework, ASP.NET is a very valuable tool for programmers and developers as it allows them to build dynamic, rich web sites and web applications using compiled languages like VB and C#.**
* **ASP.NET is not limited to script languages, it allows you to make use of .NET languages like C#, J#, VB, etc.**
* **Asp.net is based on the .NET framework for building web applications. Since Asp.net is a part of the Microsoft. NET Framework it has the ability to take advantage of rich class libraries provided by Microsoft.**
* **The question is that why one should use Asp.net and not use classic asp or any other web programming technology. Here are some of the features of Asp.net that makes it the best web application technology.**

**Asp.NET Adv:**

* **ASP.NET drastically reduces the amount of code required to build large applications.**
* **With built-in Windows authentication and per-application configuration, your applications are safe and secured.**
* **It provides better performance by taking advantage of early binding, just-in-time compilation, native optimization, and caching services right out of the box.**
* **Provides simplicity as ASP.NET makes it easy to perform common tasks, from simple form submission and client authentication to deployment and site configuration.**
* **It is purely server-side technology so, ASP.NET code executes on the server before it is sent to the browser.**
* **ASP.NET makes for easy deployment. There is no need to register components because the configuration information is built-in.**

**SQL Server :**

* **Since the DBMS is meant mainly for developers every DBMS has it is own language to write the commands. The languages are standardized under the name SQL (Structured Query Language).**
* **The following definition for SQL is from Books Online” A language used to insert, retrieve, modify, and delete data in a relational database.**

* **SQL also contains statements for defining and administering the objects in a database.**
* **SQL is the language supported by most relational databases, and is the subject of standards published by the International Standards Organization (ISO) and the American National Standards Institute (ANSI).**

**Sql adv:**

* **Transparent Data Encryption. The ability to encrypt an entire database.**
* **Backup Encryption. Executed at backup time to prevent tampering.**
* **External Key Management. Storing Keys separate from the data.**
* **Auditing. Monitoring of data access**

**.**

* **Data Compression. Fact Table size reduction and improved performance.**
* **Installation improvements. Disk images and service pack uninstall options.**
* **Dates and Times. New data types: Date, Time, Date Time Offset.**
* **SQL Server Integration Service. Improved multiprocessor support and faster lookups**
* **Cross-platform support (Windows 98/Me/NT/2000/2003, Linux and NetWare**
* **Query optimizer Supports the null state for all data types**
* **Table level access control, Column level access control**
* **Change metadata while database is in use**
* **Local server for single user applications**

### Thank you