ONLINE MUSIC STORE SYNOPSIS REPORT FOR MCA STUDENTS

Project Title

Online Music Store Project

Introduction

This is a Project work undertaken in context of partial fulfillment of MCA. I have tried my best to make the complicated process of Online Music Store as simple as possible using Object Oriented Design techniques. I have designed this website in such a way that user may not have any difficulty using this package & further expansion is possible without much effort. Even though I cannot claim that this work to be entirely exhaustive, the main purpose of this exercise is develop a software solution which can be easily used by non-technical person and helps them to complete their day-to-day activities.

I am confident that this software package can be readily used by non-programming personal avoiding human handled chance of error. This project is used by two types of users

1. Online Users.
2. Back Office Administrative Users

Online Users: - Online user's can browse music store based on their interest. Online website provides user's detailed information about a music album, for example singers name, director, lyrics, popularity etc. User can subscribe to this website to play or download music online. Only subscribed users are allowed to download or play music online. User can subscribe for a year or month to month basis.

Online users can perform following functions:

1. Browse Music Store based on their interest.
2. Search for a music album.
3. They can purchase subscription
4. Download Music
5. Play Online Music
6. Mange their profile
7. Rate a music album

Back Office Administrative Users: - Administrator of this website can maintain online music store website using a control panel. Control Panel provides ability to add, update music albums. Only valid user's can access control panel of website. Administrative user has ability to add more users and provide them appropriate roles to access this website.

Administrative User can perform following functions: -

1. Add/Update music album
2. Uploading of album thumbnail image and media files
3. Managing various music categories
4. User Management
5. Reports

Objective

Objective of this software project is to create a website which can host online music store and provide user's quality music online. As internet is getting popular, this website provides online music store which can be accessed from anywhere, anytime.

• This project intends to introduce more user friendliness in the various activities such as record maintenance and searching.

• The searching of record has been made quite simple as all the details of the music album can be obtained by simply keying in few keywords.

• All information is stored electronically in database and only accessible to authorized users of the system.

• Administrators of website can create reports to see performance of their business and take corrective action's based on results.

Other features includes: -

• Data Security and Reliability

• Time Efficient

- Cost Effective

- Data Validations

- Analytical Reports

- Simple and Easy to fill Data Entry Forms

- User Friendliness

Benefits

I have designed the given proposed system using Microsoft .NET Technologies which enables internet users to access music online anywhere, anytime. User's can search music albums, provide their own ratings, comments. They can subscribe to play or download music.

The following steps that give the detailed information of the need of proposed system are:

Performance: During past several decades, the records are supposed to be manually handled for all activities. The manual handling of the record is time consuming and highly prone to error. To improve the performance of the existing system, the computerized system is to be undertaken. This project is fully computerized and user friendly and available to user anytime anywhere.

Efficiency: The basic need of this website is efficiency. The website should be efficient and up-to-date. Administrative control panel provides admin user's ability to add and update music albums easy and efficient manner.

Control: The complete control of the project is under the hands of authorized person who has the password to access this project and illegal access is not supposed to deal with. All the control is under the administrator and the other members have the rights to just see the records not to change any transaction or entry.

Security: Security is the main criteria for the proposed system. Since illegal access may corrupt the database. So security has to be given in this project.
Project Category

This project is a dynamic website and can be accessed from any hardware or software platform which supports a browser to browse through internet.
Application can be hosted on a server and can be accessed by multiple users from different computers at the same time.
Easy to use and friendly GUI interfaces provides ability to non-technical users to

use this software easily and efficient manner.

System Analysis

Principles of System Analysis

1. Understand the problem before you begin to create the analysis model.

2. Develop prototypes that enable a user to understand how human machine interaction will occur.

3. Record the origin of and the reason for every requirement.

4. Use multiple views of requirements like building data, function and behavioural models.

5. Work to eliminate ambiguity.

Data Flow Diagrams

ER Diagrams

Data Model

Functional Details of Different Modules

Hardware and Software Requirement specifications

Programming Language: C#, ASP.NET

Tools: Visual Studio 2005

Mark-up Language: HTML

Database: Microsoft SQL Server 2005

Operating System: Windows XP

Security Features

1. Only authorized subscribed users can play or download music files.

2. Website is protected with login page which make sure user is authenticated before accessing secured files.

3. Role based security model make sure, only administrative user's can access Admin Control Panel.

Future Scope and Enhancements

1. This website/project can be enhanced with following feature in future based on business needs:

2. Ability to add promotional offers to attract more user subscriptions, this can lead to more revenue for a business.

3. Use of Secured Socket Layer (https) protocol to provide enhanced security for website.