

Synopsis

Title: Online Music Store Management

Introduction:

The aim of this project is the development of a simple centralized relational Music store application. This application has to store information of customers and artists with their products.

This project is used by two types of users 1. Online Users. 2. Back Office Administrative Users.

Online Users: - They can browse the music store based on their interests. The online website provides user's detailed information about a music album, for example, singers' names, genres etc. Users 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 the 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. Rate a music album

Back Office Administrative Users: - Administrator of this website can maintain an online music store website using a control panel. Control Panel provides the ability to add, update music albums. Only valid users can access the control panel of the website. Administrative user has the ability to add more users and provide them appropriate roles to access this website. Administrative Users can perform the following functions: - 1. Add/Update music album 2. Uploading of album details 3. Managing various music categories 4. User Management

The objective of this software project is to create a website which can host an online music store and provide user's quality music online. As the internet is getting popular, this website provides an online music store that can be accessed from anywhere, anytime. This project intends to introduce more user-friendliness in 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 the database and only accessible to authorized users of the system. Administrators of the website can create reports to see the performance of their business and take corrective action based on results.

Requirement Specification:

HARDWARE REQUIREMENTS:

PROCESSOR: AMD A10

RAM: 8GB

HARD DISK: 1TB

SOFTWARE REQUIREMENTS:

OS: Microsoft Windows 10, 64 bit

CODING LANGUAGE:

FRONT END: NET BEANS IDE 8.2

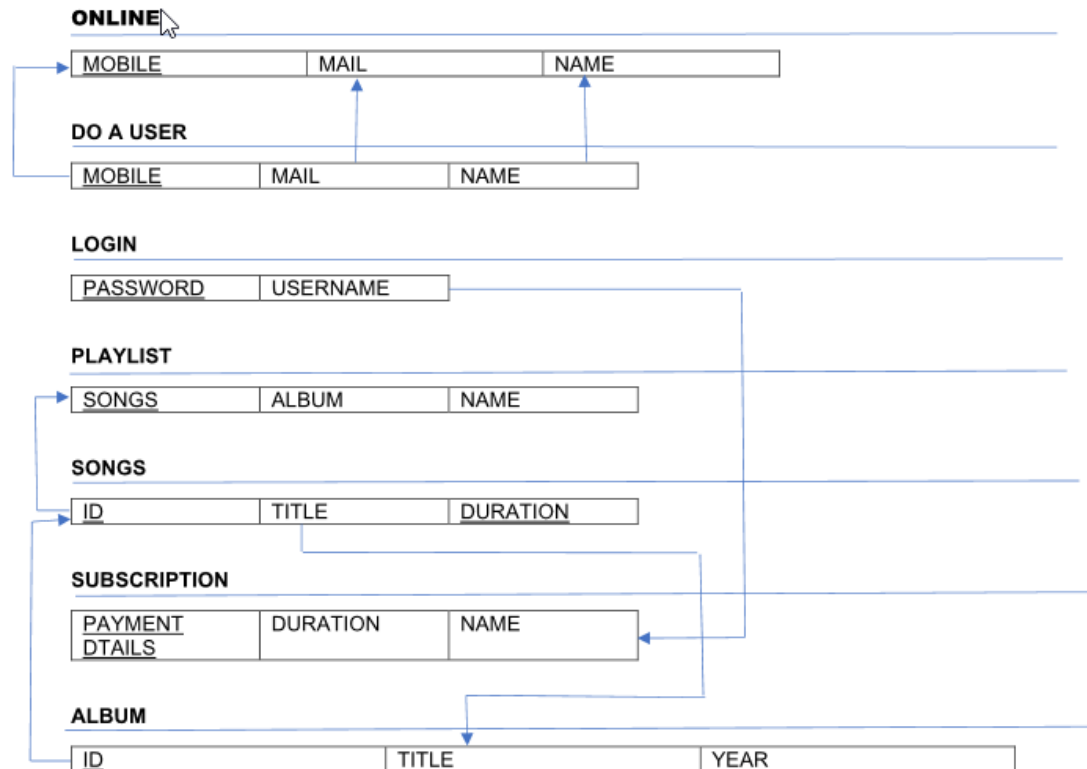
It provides drivers for Oracle database servers so as to connect to the databases very easily.

BACK END: ORACLE DATABASE 10g

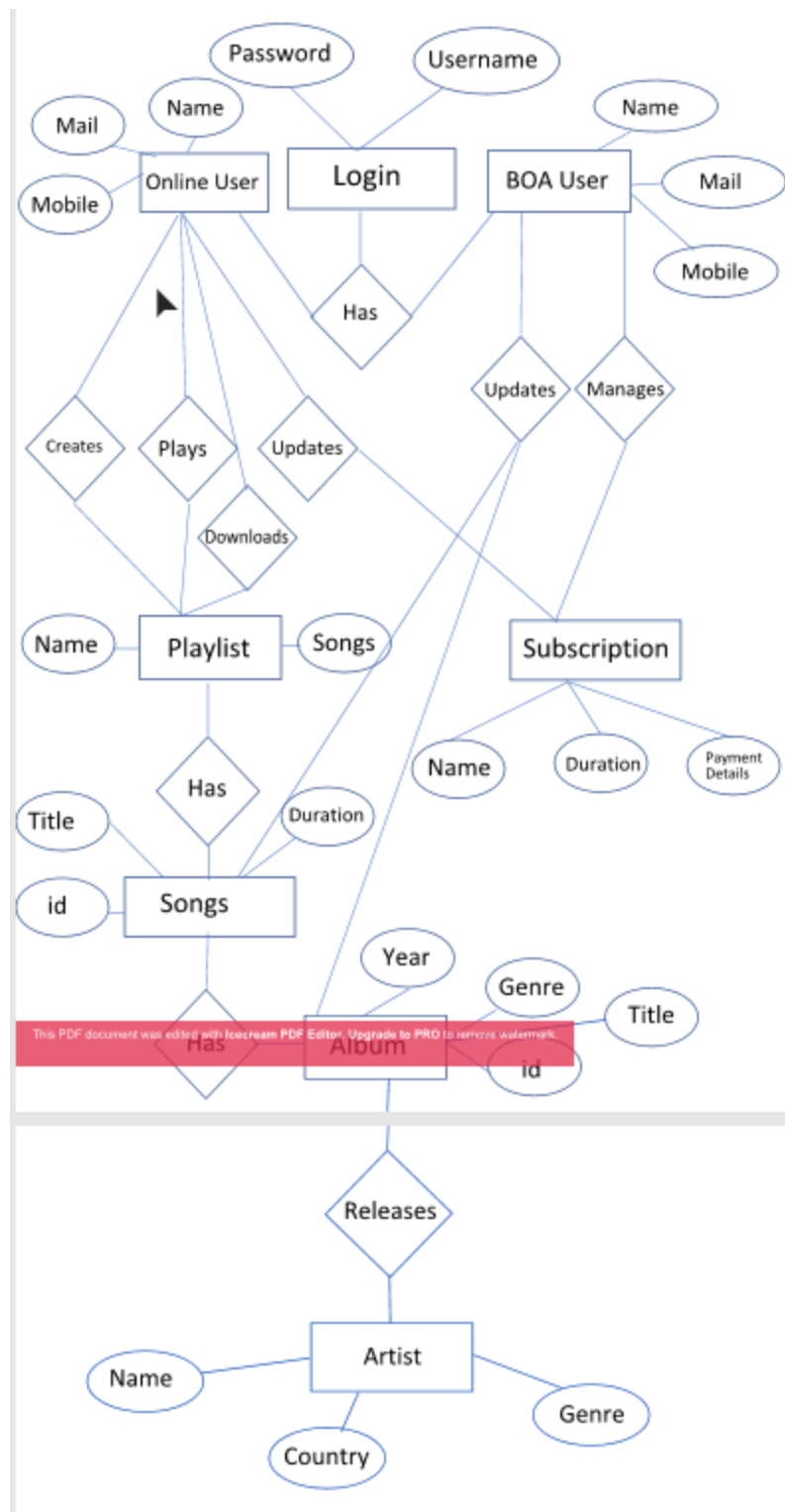
It is a relational database whose components (tables, form, queries) are linked (related). The linkages between database components are created by making relationship links between them. The relationship can be:

- One components and another (one-one relationship)
- One component related to several other components (one-many)
- Several database components (many-many) Creations of relationships between the database components reduce data redundancies and enhances ease of access to the information.

Schema Diagram:



ER Diagram:



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