Online music App Database

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Introduction

"The best music is essentially there to provide you something to face the world with." Everyone has their own personal tastes and preferences when it comes to choosing thee right music

Therefore, here we bring the online streaming music application, so that it' s easy to find the right music for every moment on your phone, your computer, your tablet and more. So whether you ' re behind the wheel, working out, or relaxing, the right music is always at your fingertips.

Oops concept used

- Encapsulation
- Polymorphism
- Inheritance
- Function overriding
- Virtual function
- Abstract class
- Aggregation
- Composition
- Association

Class diagram

- Payment
- Subscription
- Songs
- Bollywood_song
- Hit_song
- English_song
- Account
- Playlist
- Artist

Payment

This class is used for making payment after the user takes the subscription from the plans available. For this purpose pay_now function is used and for accessing the plan number and amount, a map named plans is used in protected view .

Account

The class Account is used for creating new accounts and to sign in the account. In this an Account named constructor is used for initialising the values and then member functions such as showdetails and forgetpassword are used for showing the user details and also to retrieve the generate the new password in case you forget the password or fail to remember it.

Subscription

The class Subscription is used for taking subscription as per your need as we have subscription for 7 days, 1 month, 3 months and 6 months and accordingly their price is also defined. You here you choose the plan and then pay for it. In this member function named display plan and plan taken are made to display the plans and th eother to take the plan.

Artist

The class Artists is used for adding and displaying the names of the Artists

Songs

The class songs is used to add songs in the playlist and to display the names of the songs in the playlist.

Playlist

This class is used to add playlist and to check the songs present in the playlist.

Bollywood_songs

This class is inherited from Songs class and is used for adding and displaying songs to the bollywood songs section.
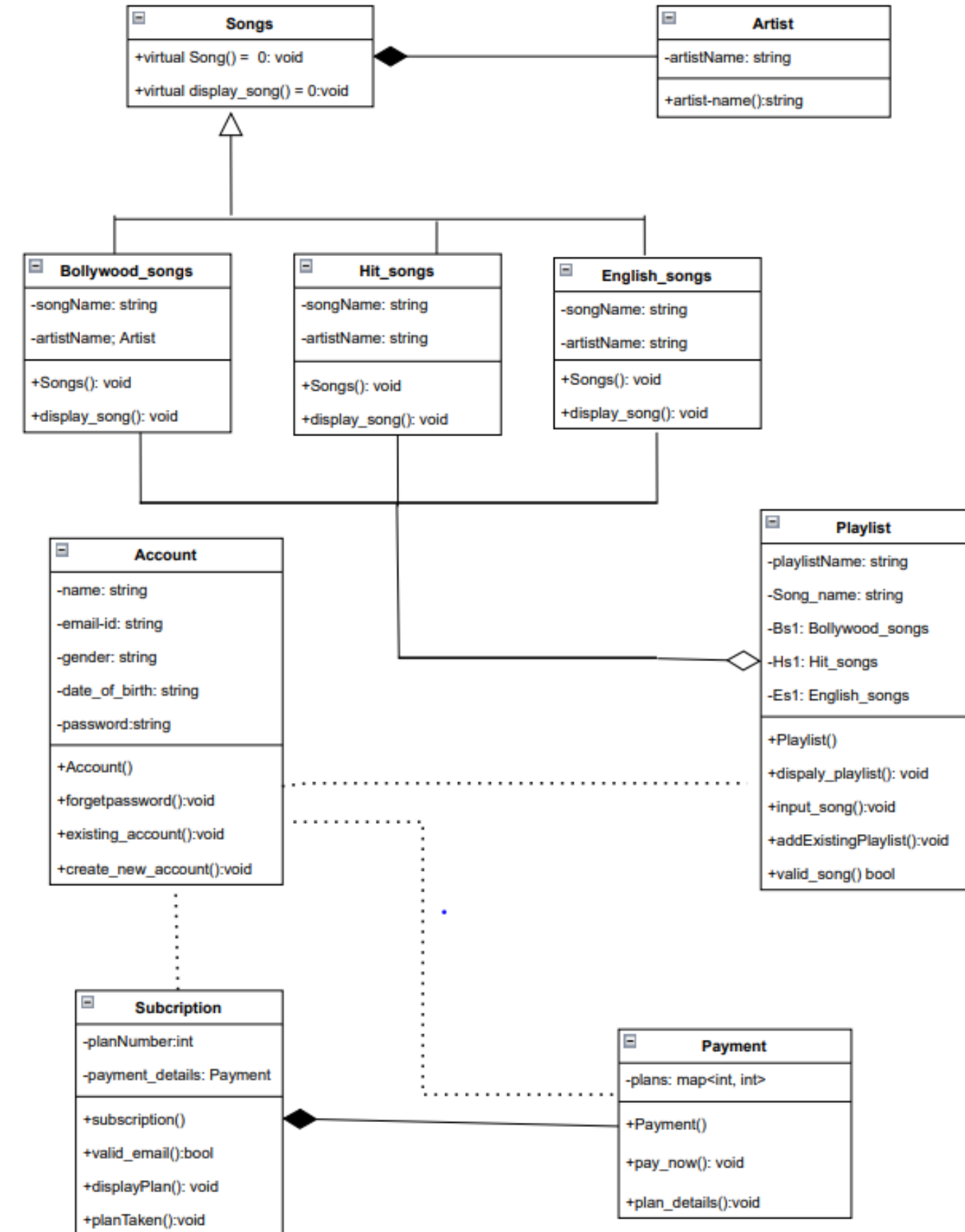
Hit_songs

This class is inherited from songs class and is used to display and add songs to the hit songs list.

English_songs

This class is inherited from songs class and is used display and add songs to the English songs list.

Class Diagram

Thank you