Variables

• UM: UserManager

Functions

• Probably a lot, once I start divvying up responsibilities.

User Manager

Variables

currentUser: Stringusers: Hashtable<User>loggedIn: LinkedList<User>

Functions

createUser(userName, password)

User

Variables

userName: Stringpassword: StringmyLibrary: Library

• friends: LinkedList<String>

• borrowLimit: int

• borrowUnits: Enumerator [minutes, plays]

mailbox: LinkedList<Message>

Functions

- changePassword(password)
- addSong(name, artist, genre, year, album, year, composer, genre)
- removeSong(name, artist, genre, year, album, year, composer, genre)
- addFriend(String)

Message

Variables

from: Stringto: String

• message: String

Functions

Not sure yet......

Song Request – Inherits from Message

Variables

songld: String

Functions

Not sure yet.....

Friend Request

Variables

Not sure, May delete this class actually

Functions

• See above.....

Library

Variables

songs: LinkedList<Song>

playlists: LinkedList<Playlist>

• sortedBy: Enumerator [artist, title, genre]

• size: int; //number of owned songs in LinkedList, used for creating songID's

Functions

- addOwnedSong(name, artist, genre, year, album, year, composer, genre)
- addBorrowedSong(name, artist, genre, year, album, year, composer, genre)
- removeSong(name, artist, genre, year, album, year, composer, genre)
- changeSort(String);

Playlist

Variables

• title: String

songs: LinkedList<Song>

Functions

- addSong(name, artist, genre, year, album, year, composer, genre)
- removeSong(name, artist, genre, year, album, year, composer, genre)
- changeTitle(String)
- play()

Song

Variables

owner: StringsongID: String

artist: String album: String

• year: int

composer: Stringgenre: String

Functions

play()

Borrowed Song

Variables

startTime: DateplaysLeft: intborrower: String

Functions

• Not Sure Yet......

Owned Song

Variables

• isLent: Boolean

• restriction: Enumerator[atWill, approval] // could use Boolean maybe

• queue: LinkedList<String

Functions

- addToQueue(Strng)
- deQueue()
- peek()