Jukebox
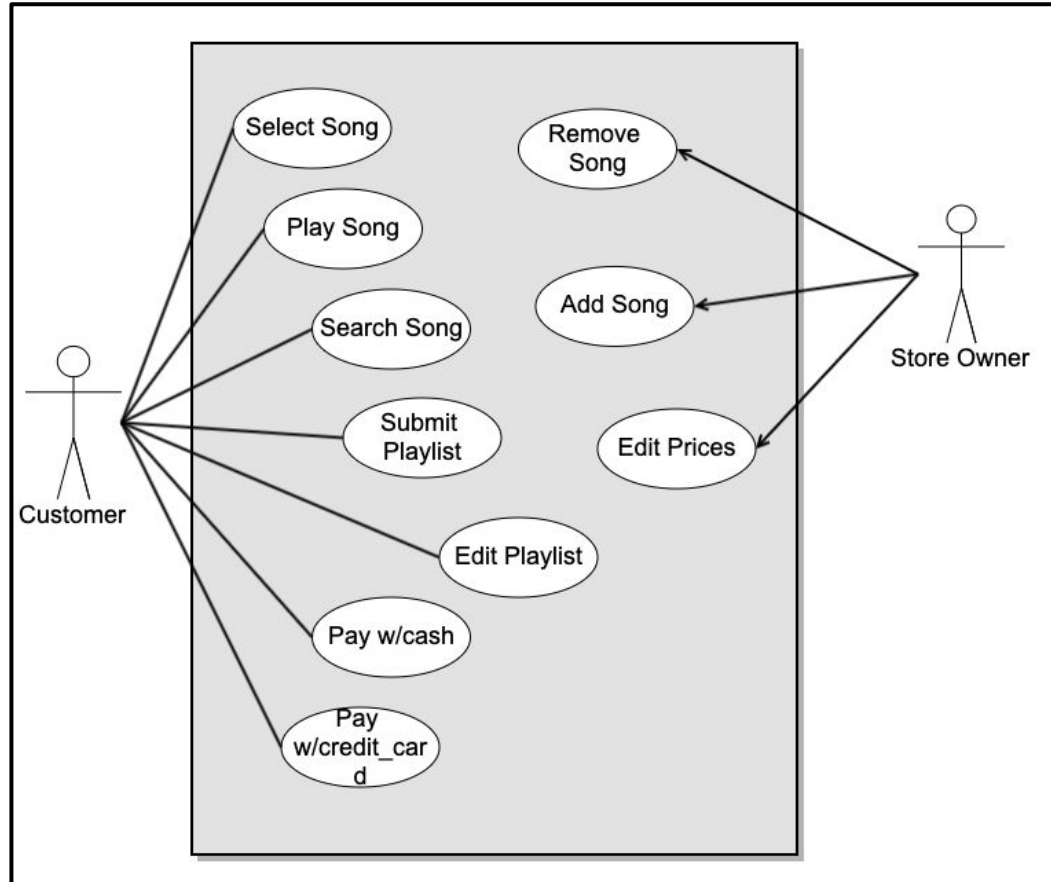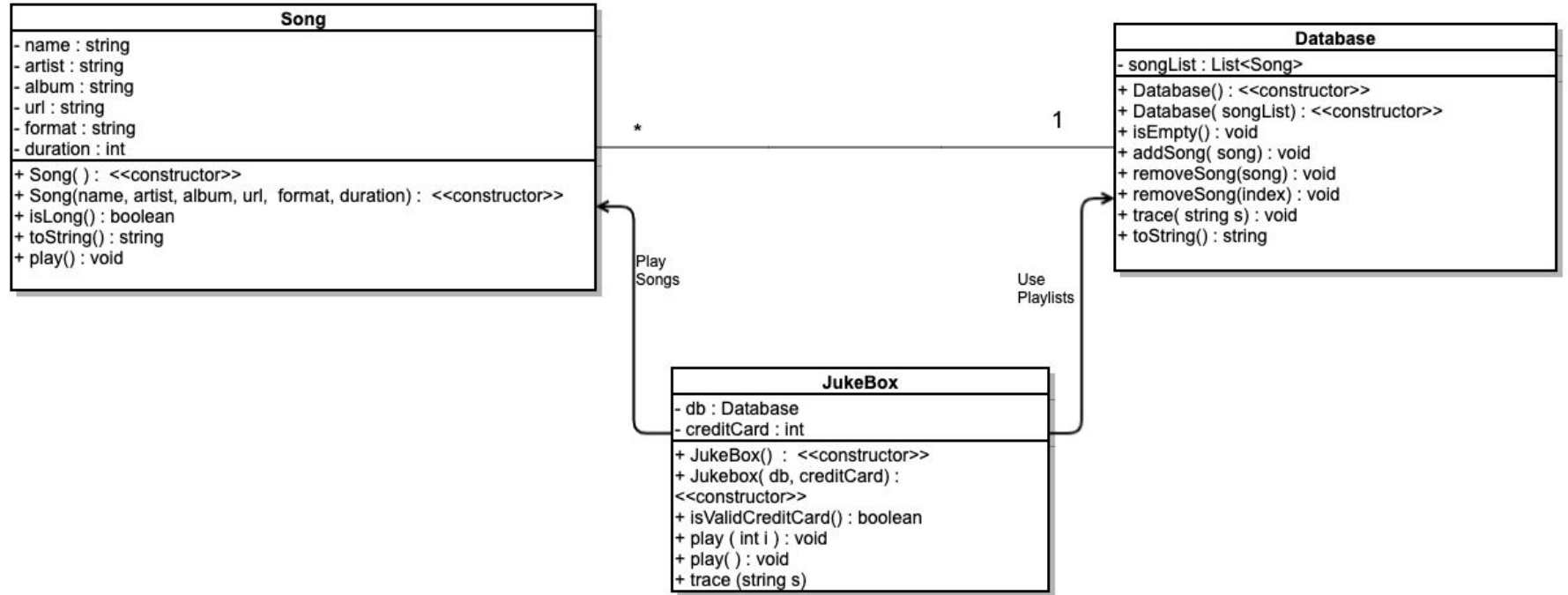
Use Case, Class & Sequence Diagrams

Use Case Diagram

Class Diagram

Song

- name : string
- artist : string
- album : string
- url : string
- format : string
- duration : int

+ Song( ) : <<constructor>>
+ Song(name, artist, album, url, format, duration) : <<constructor>>
+ isLong() : boolean
+ toString() : string
+ play() : void

Database

- songList : List<Song>

+ Database() : <<constructor>>
+ Database(songList) : <<constructor>>
+ isEmpty() : void
+ addSong(song) : void
+ removeSong(song) : void
+ removeSong(index) : void
+ trace(string s) : void
+ toString() : string

*   1

Play
Songs

Use
Playlists

JukeBox

- db : Database
- creditCard : int

+ JukeBox() : <<constructor>>
+ Jukebox(db, creditCard) :
<<constructor>>
+ isValidCreditCard() : boolean
+ play (int i) : void
+ play( ) : void
+ trace (string s)

Sequence Diagram