Playlist Musicale

Pure HTML

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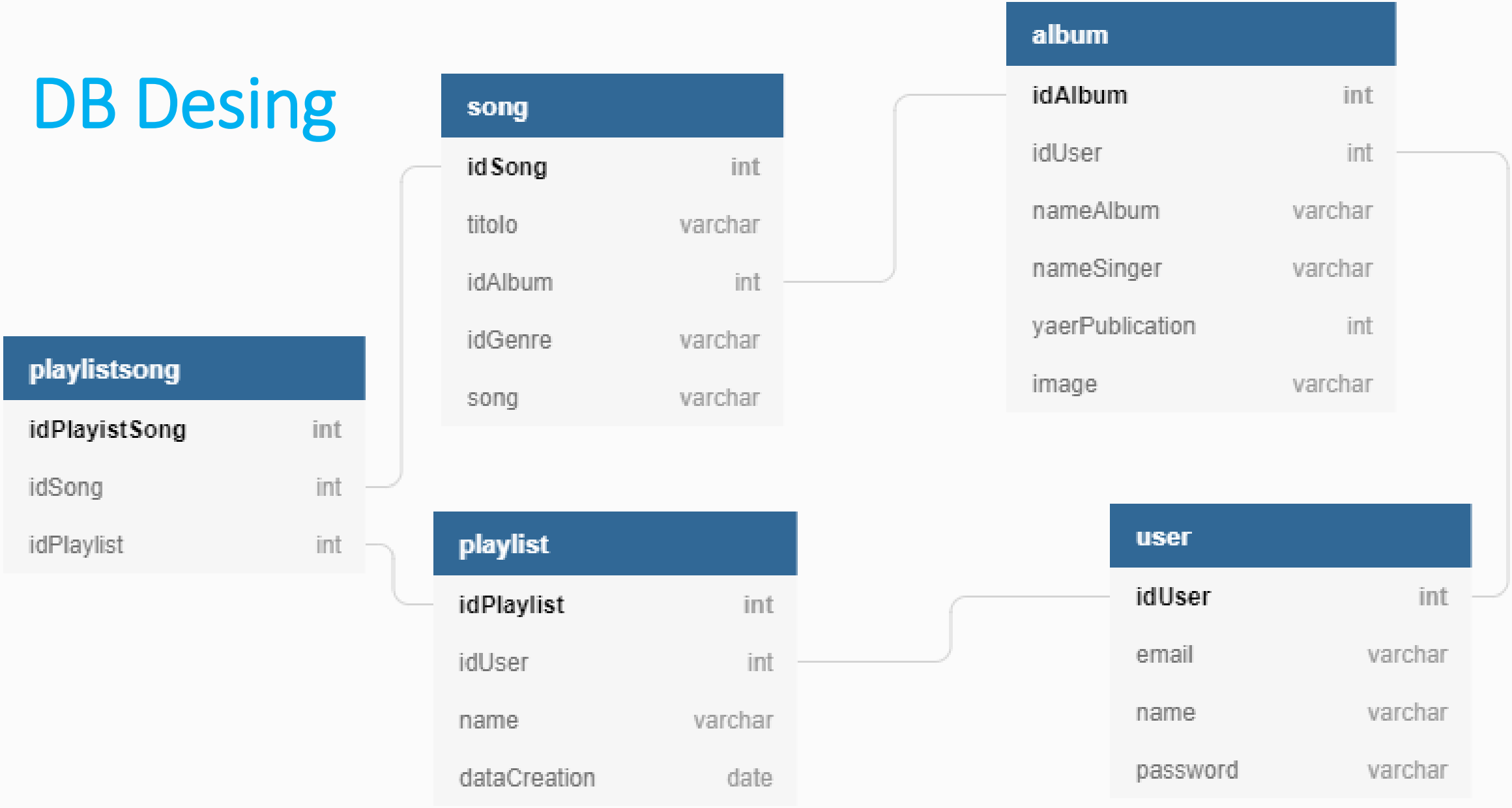
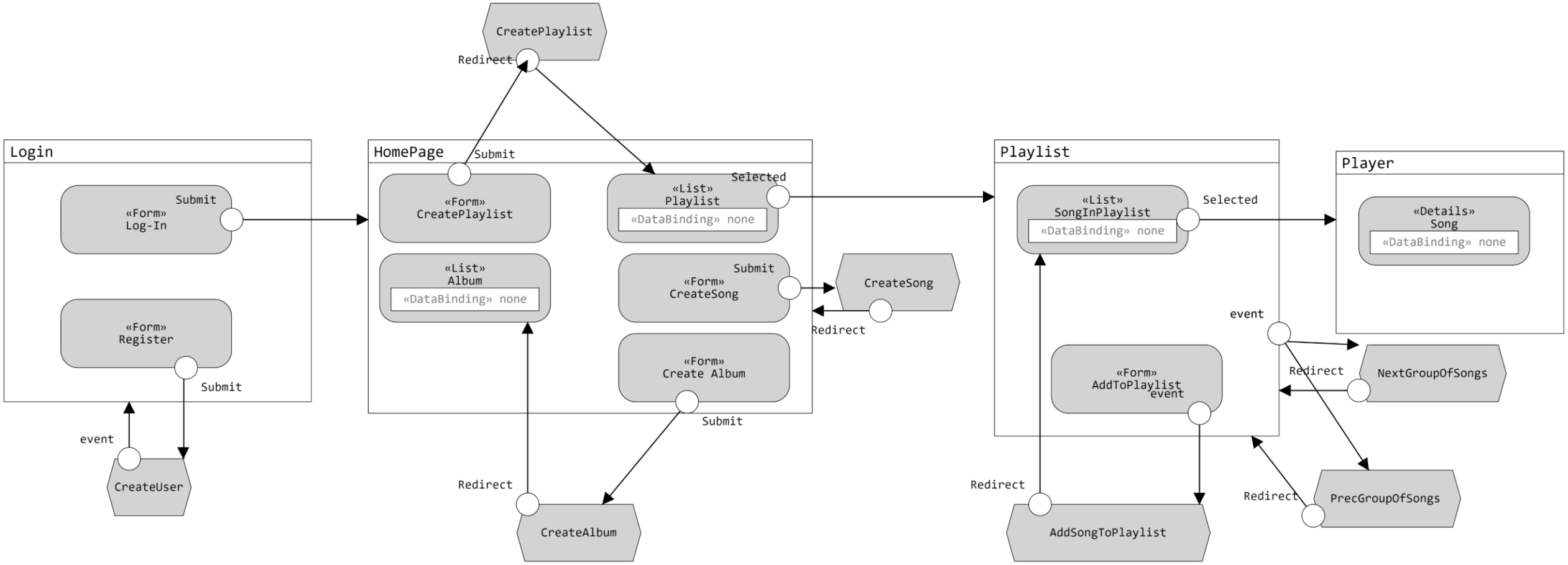
DB Desing


song
idSong int
titolo varchar
idAlbum int
idGenre varchar
song varchar
album
idAlbum int
idUser int
nameAlbum varchar
nameSinger varchar
yaerPublication int
image varchar
playlistsong
idPlayistSong int
idSong int
idPlaylist int
playlist
idPlaylist int
idUser int
name varchar
dataCreation date
user
idUser int
email varchar
name varchar
password varchar

Application Desing(IFML)



Components:

Beans:
- User
- Playlist
- Song
- Album

Controller
- Login (Get-Post)
- Createuser (Post)
- HomePage (Get)
- CreatePlaylist (Post)
- CreateAlbum (Post)
- CreateSong (Post)
- PlaylistPage (Get)
- AddSongToPlaylist (Post)
- Player (Get)
- GetFile (Get)
- NextGroupOfSongs (Post)
- PrecGroupOfSongs (Post)

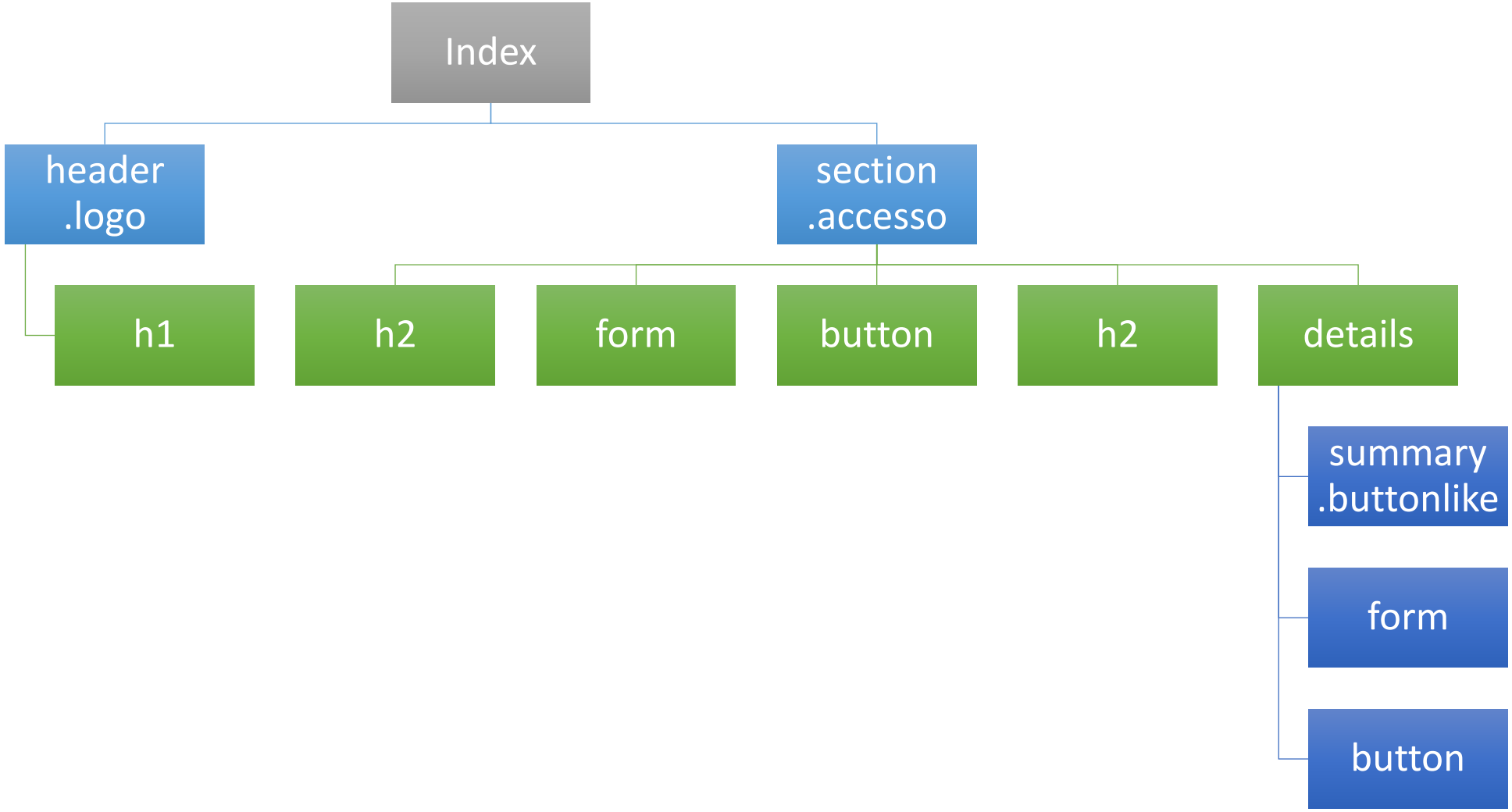
DAO:
- UserDAO
  - newUser(name, password, email)
  - getUserWithId(idUser)
  - existUserWith(email, password)
- PlaylistDAO
  - playlistOfUser(idUser)
  - newPlaylist(name)
  - getPlaylist(idPlaylist)
  - getAllSongOfPlaylist(idPlaylist)
  - getAllSongOfNotIn(idUser, idPlaylist)
- SongDAO
  - newSong(idAlbum, name, file, genre)
  - getSongWithId(idSong)
- AlbumDAO
  - newAlbum(name, singer, cover, datePublication)
  - albumOfUser(idUser)
  - getAlbumWithId(idAlbum)
- PlaylistSongDAO
  - newLinkSongPlaylist(idSong, idPlaylist)

Templates:
- Index
- Home
- Playlist
- Player

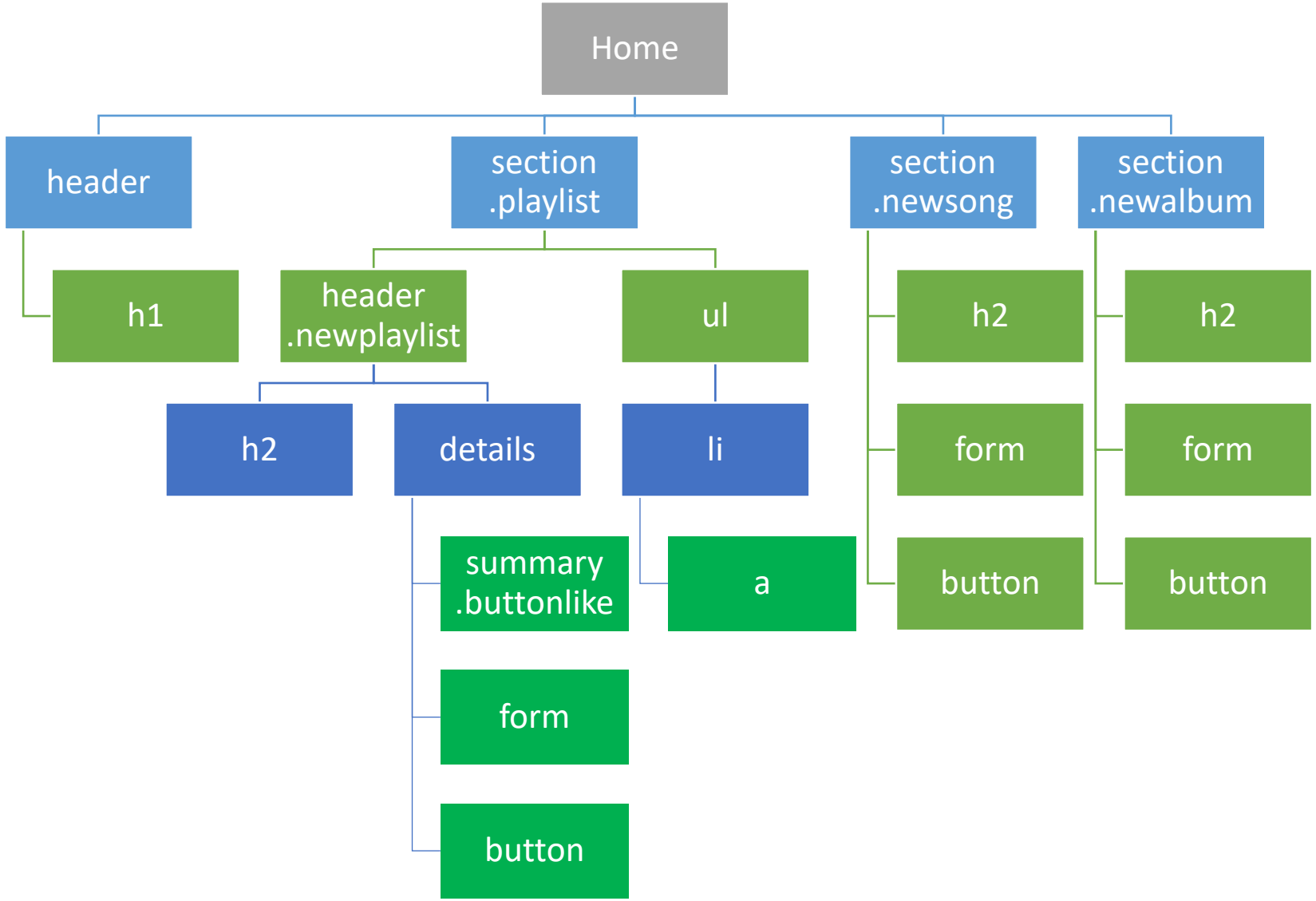
CSS:
- Default
- Reset
- Css

Utility:
- CheckVariable
- ConnectionManager
- ErrorManager

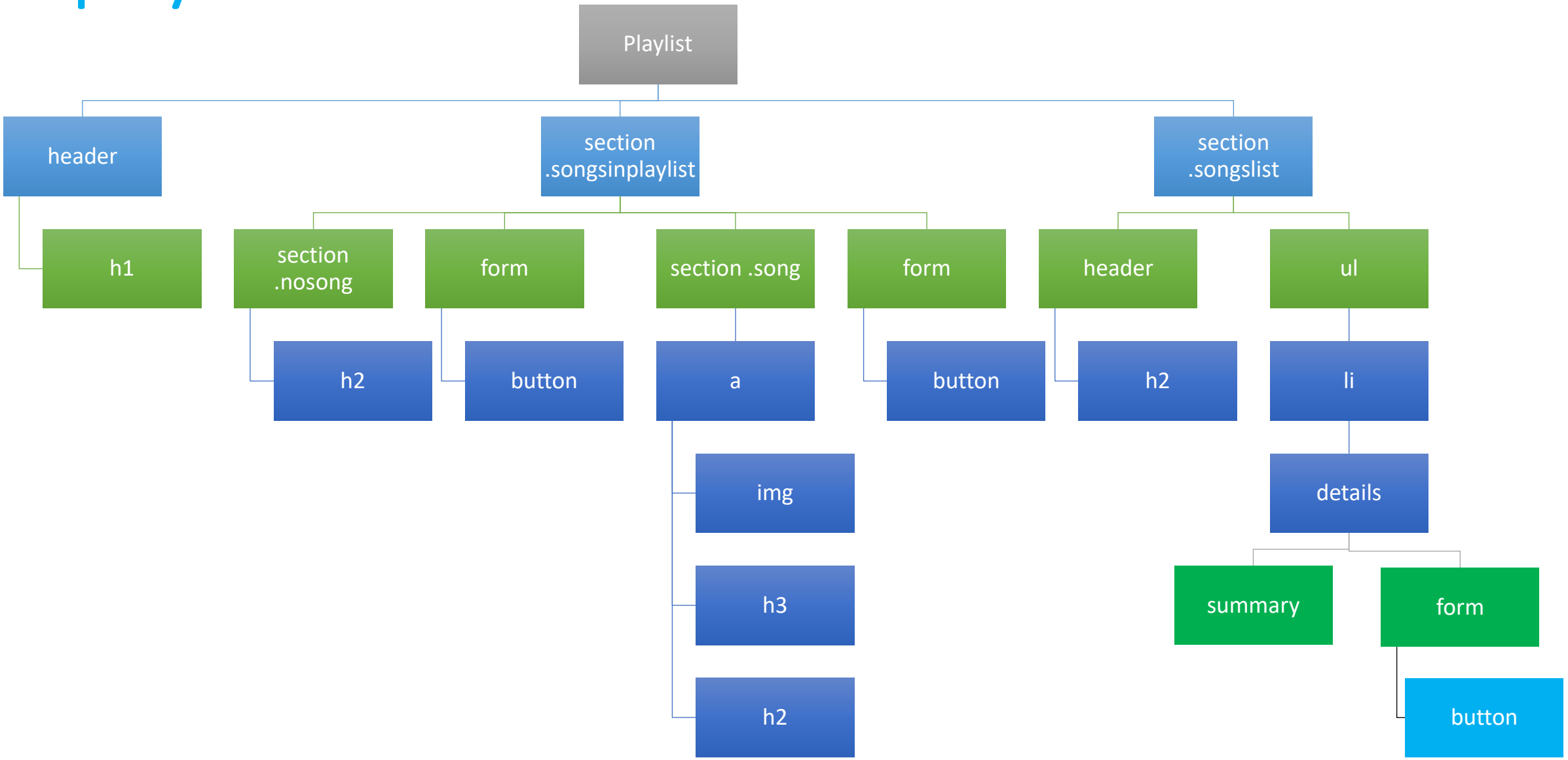
index.html page structure - HTML 5



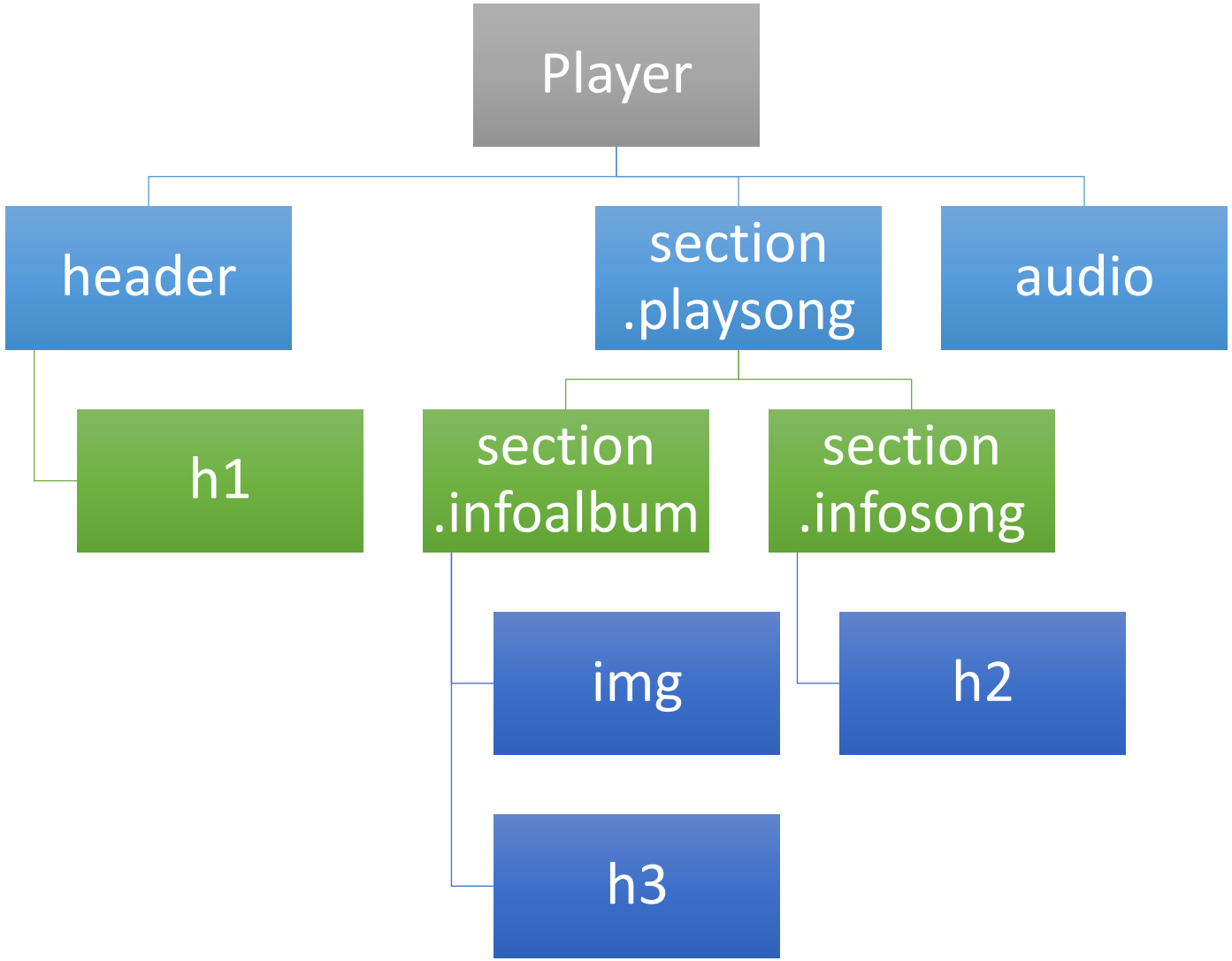
home.html structure – HTML 5



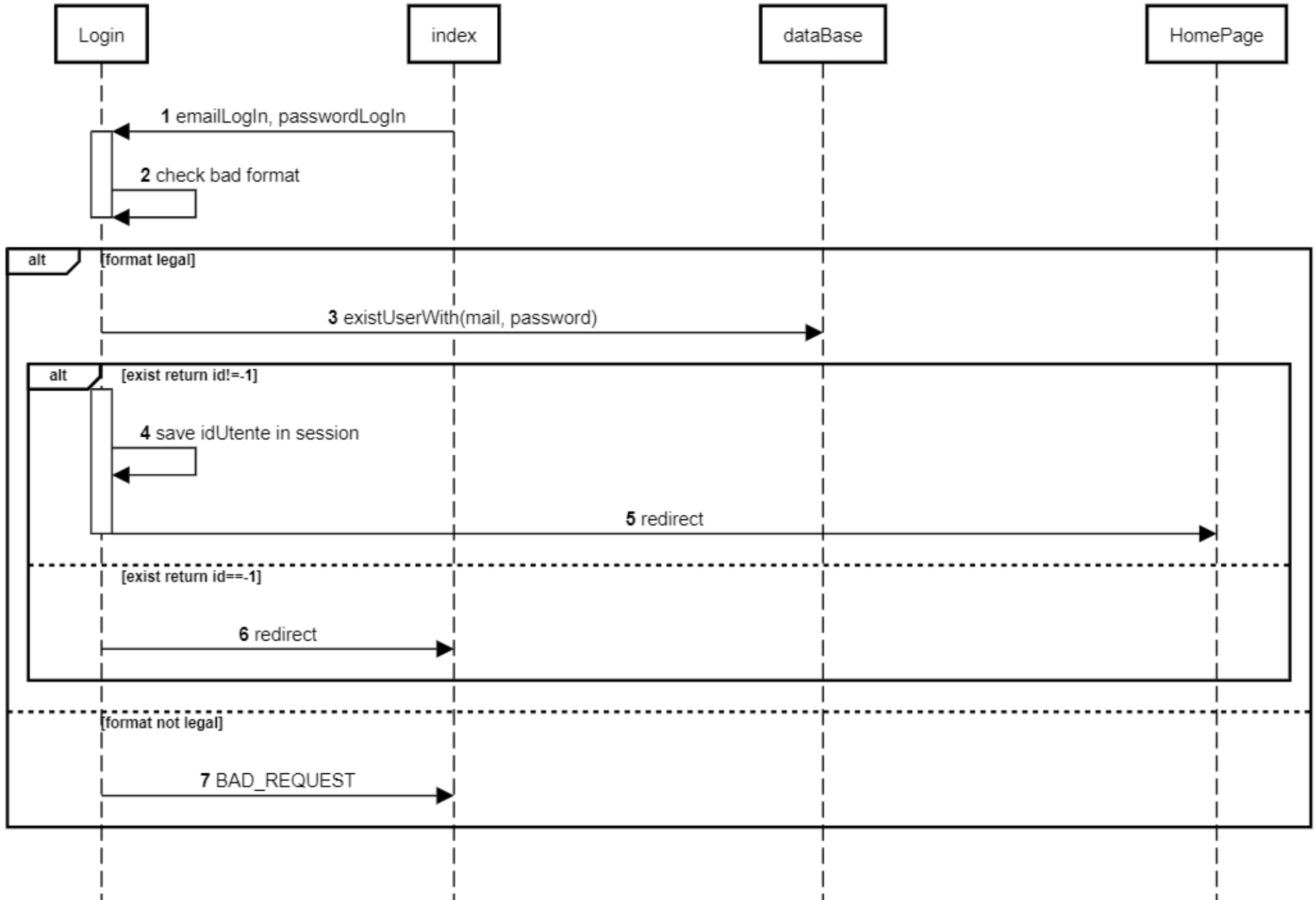
playlist.html structure – HTML 5



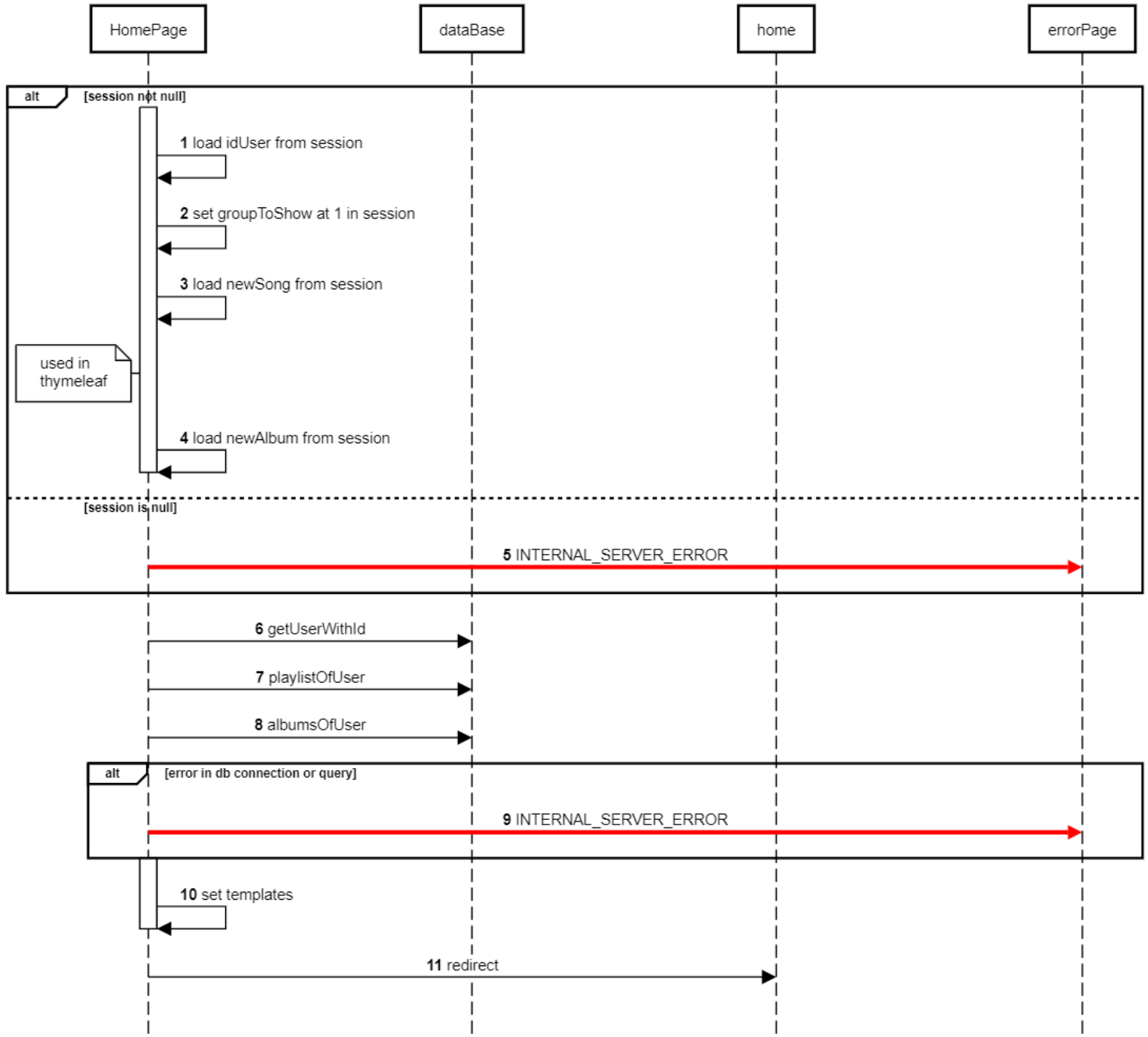
player.html structure – HTML 5



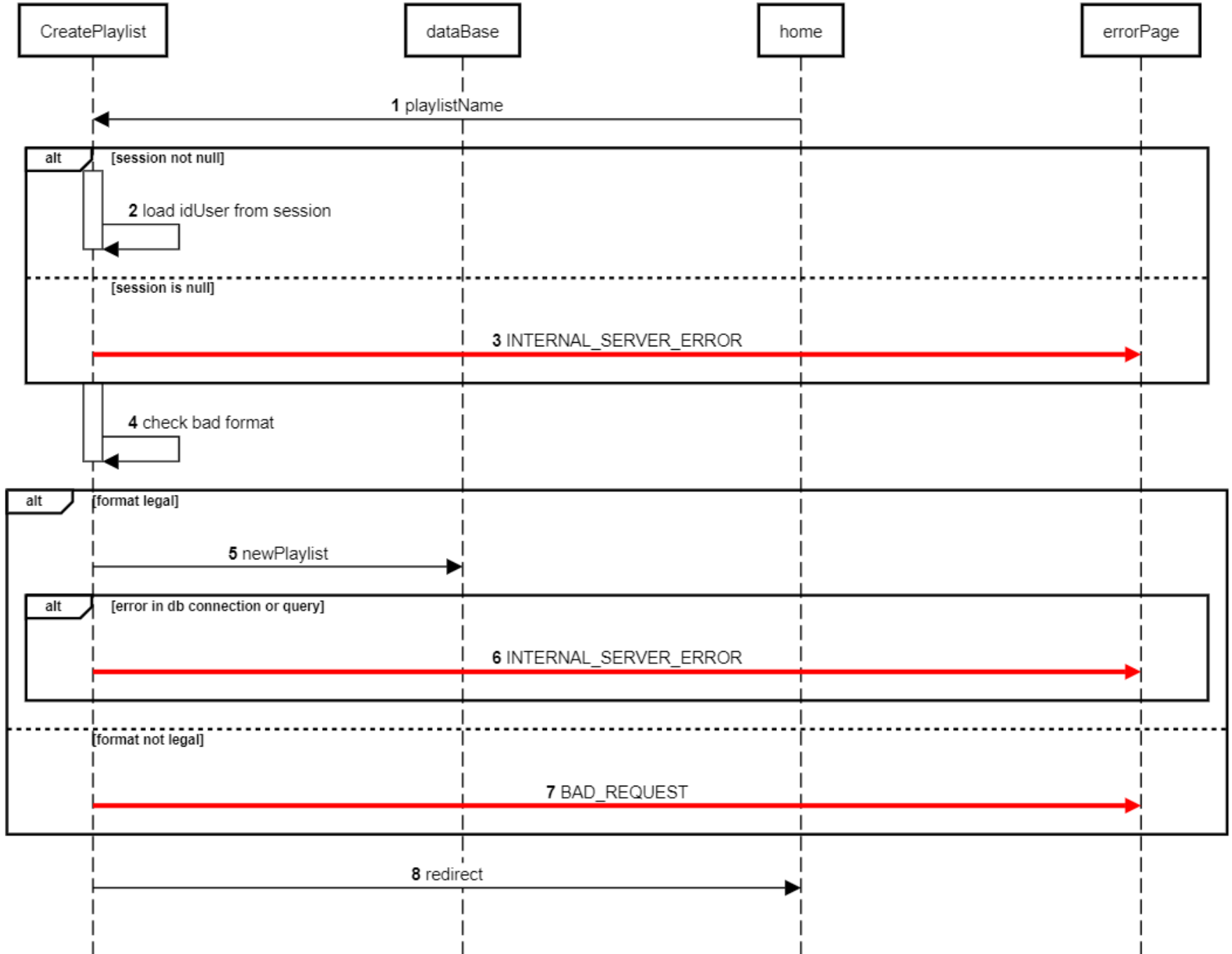
Login


Login
index
dataBase
HomePage
1 emailLogIn, passwordLogIn
2 check bad format
alt
[format legal]
3 existUserWith(mail, password)
alt
[exist return id!=-1]
4 save idUtente in session
5 redirect
[exist return id==-1]
6 redirect
[format not legal]
7 BAD_REQUEST

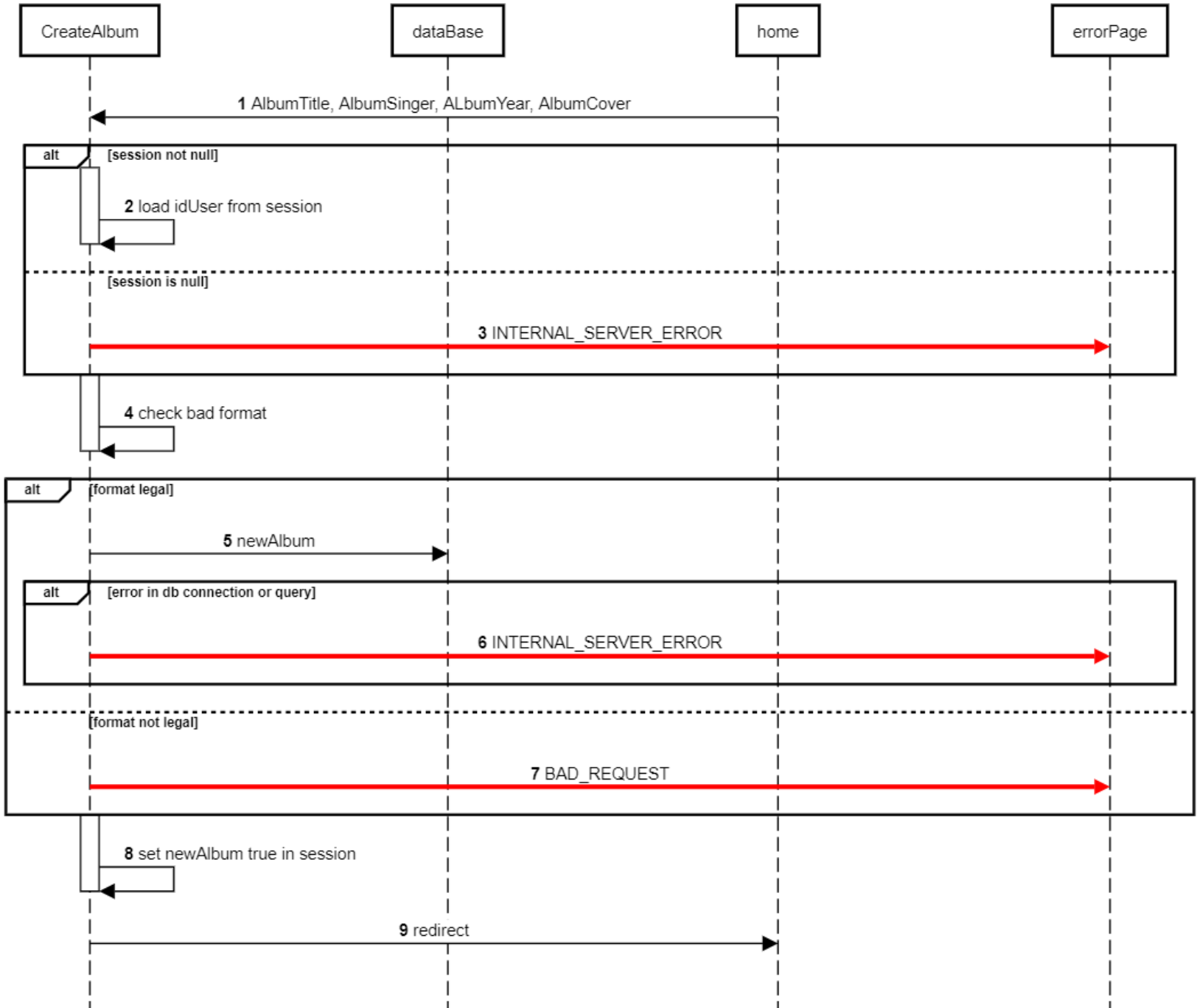
HomePage (load)



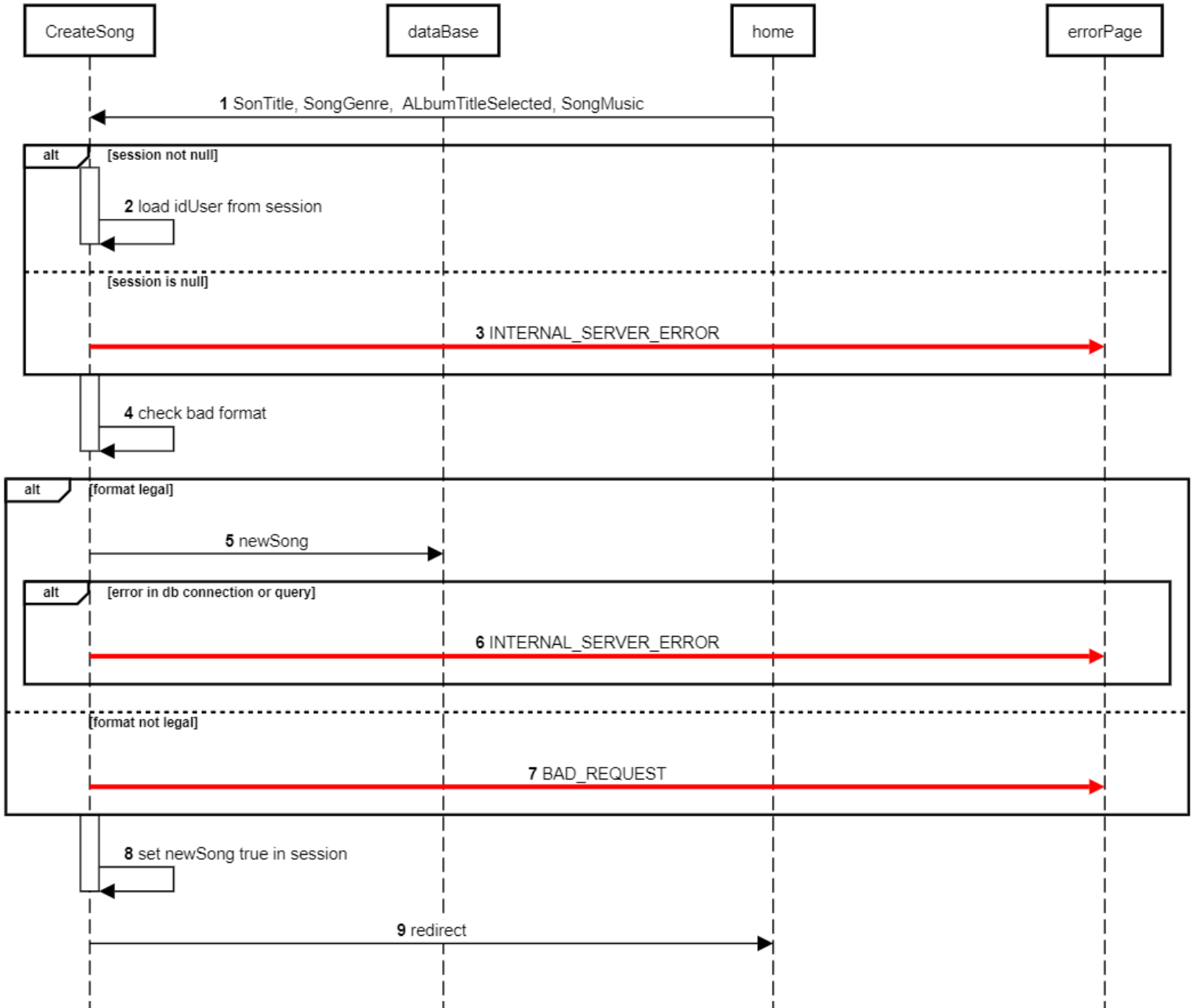
Create playlist



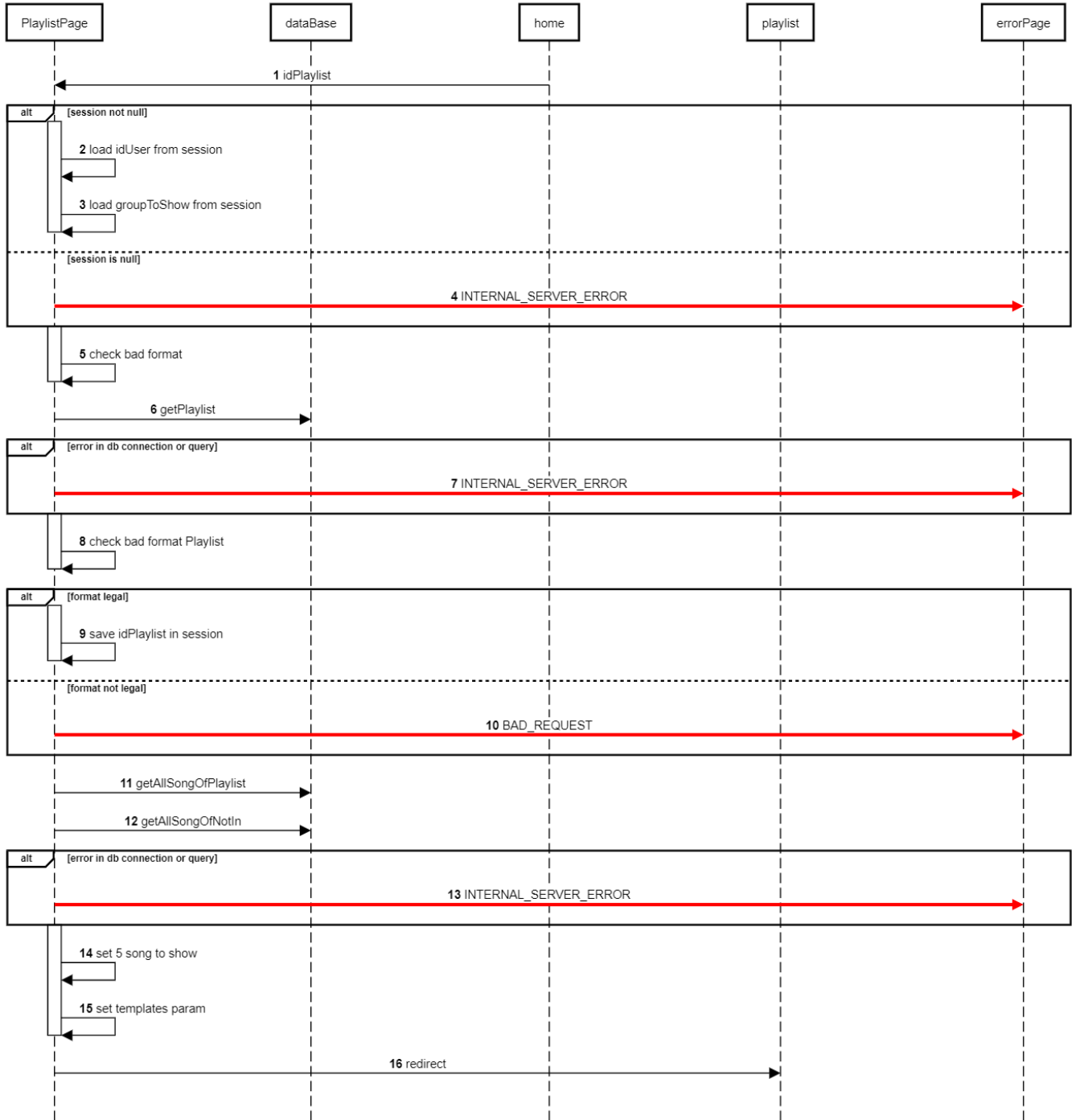
Create Album

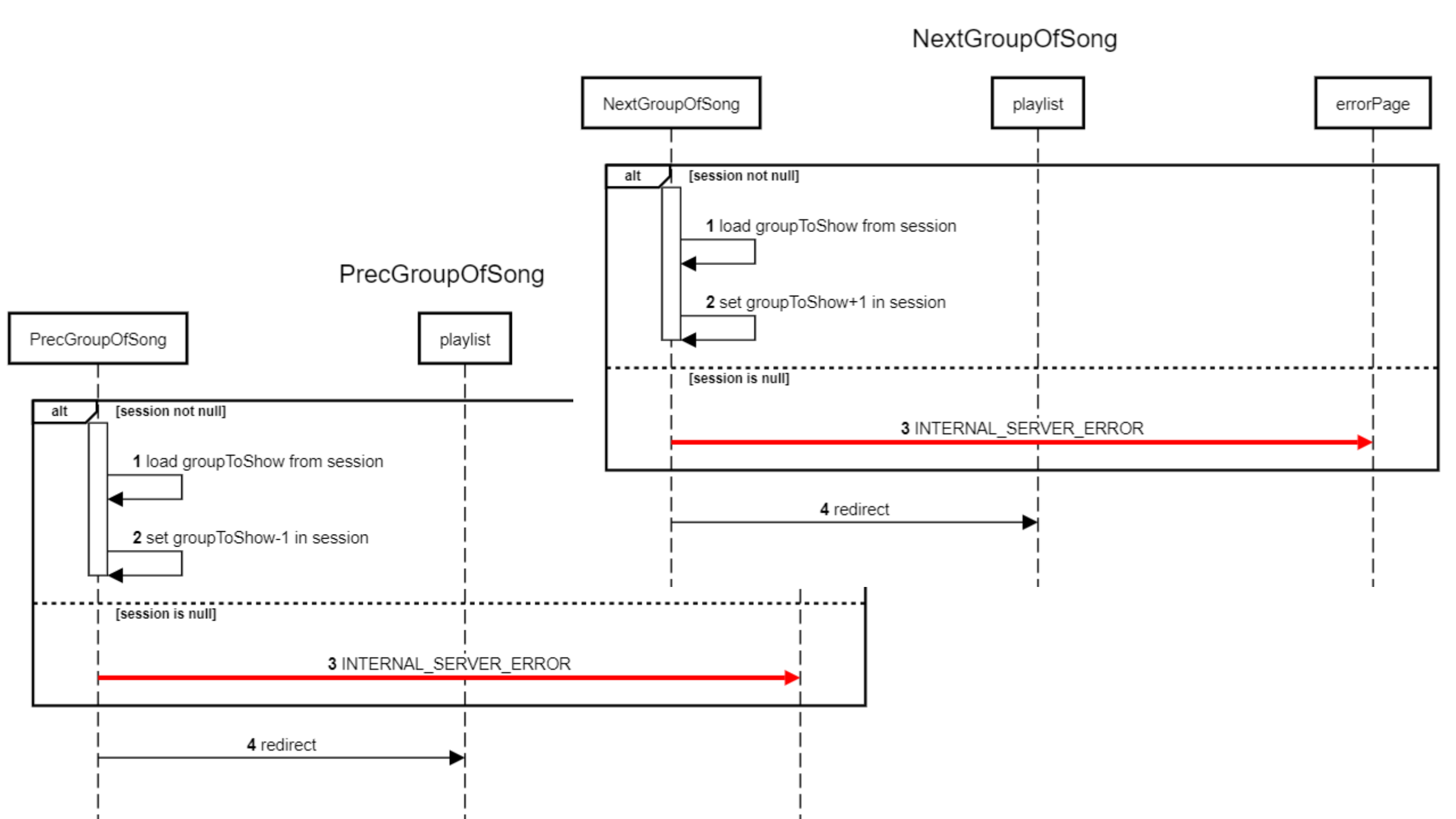


Create Song

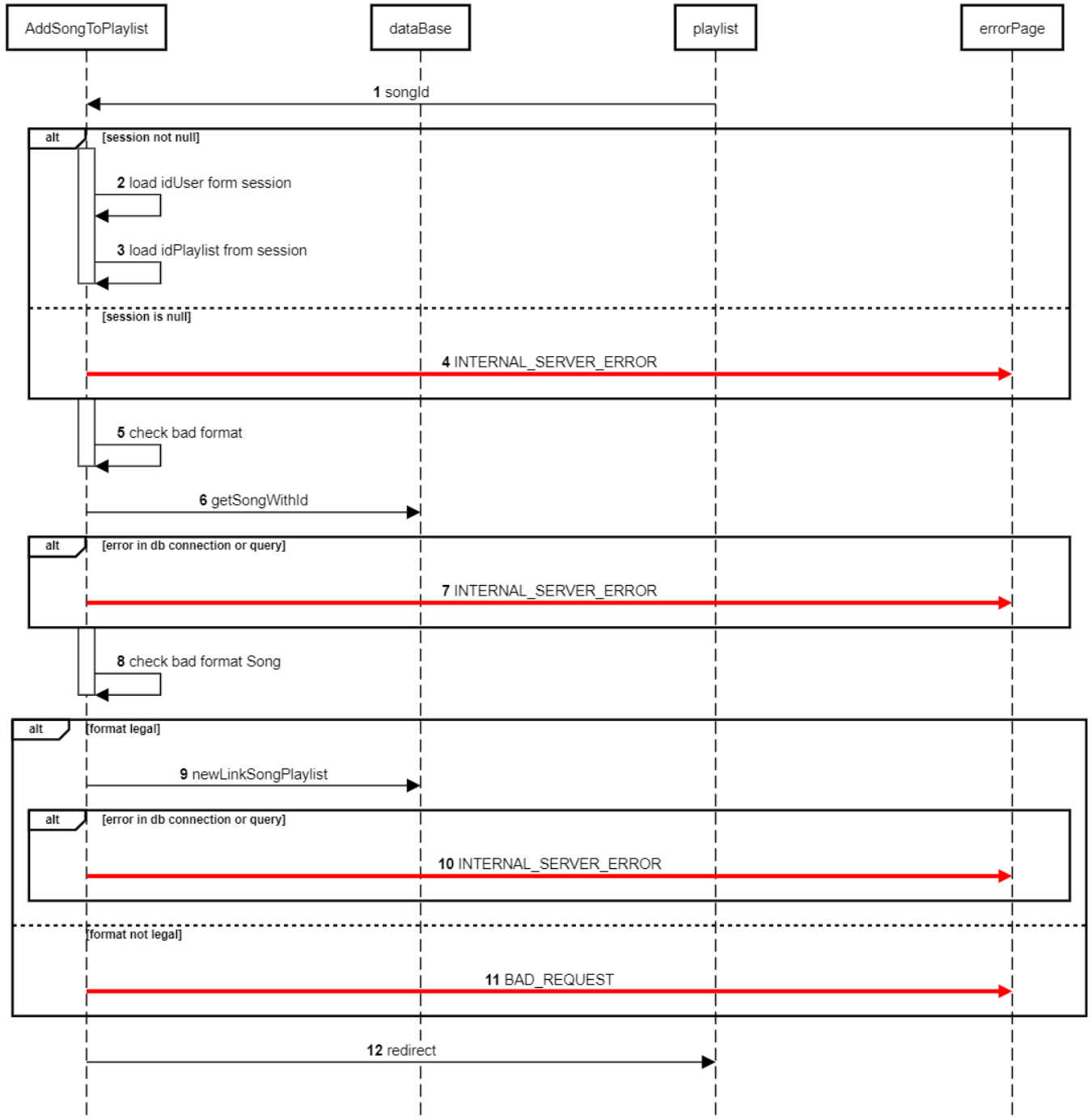

CreateSong
dataBase
home
errorPage
1 SonTitle, SongGenre, ALbumTitleSelected, SongMusic
alt
[session not null]
2 load idUser from session
[session is null]
3 INTERNAL_SERVER_ERROR
4 check bad format
alt
[format legal]
5 newSong
alt
[error in db connection or query]
6 INTERNAL_SERVER_ERROR
[format not legal]
7 BAD_REQUEST
8 set newSong true in session
9 redirect

PlaylistPage (load)

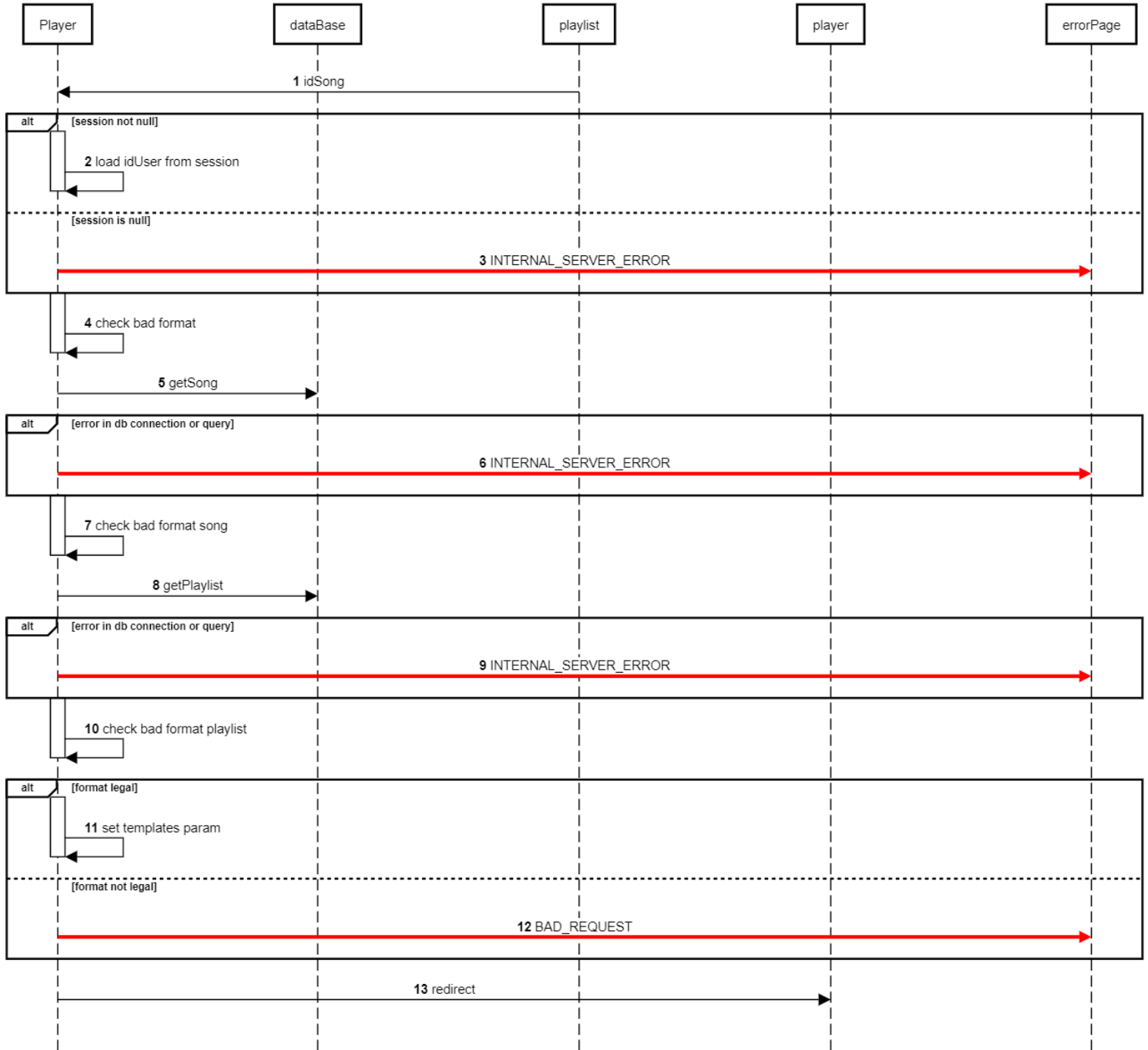



NextGroupOfSong
NextGroupOfSong
playlist
errorPage
alt
[session not null]
1 load groupToShow from session
2 set groupToShow+1 in session
[session is null]
3 INTERNAL_SERVER_ERROR
4 redirect
PrecGroupOfSong
PrecGroupOfSong
playlist
alt
[session not null]
1 load groupToShow from session
2 set groupToShow-1 in session
[session is null]
3 INTERNAL_SERVER_ERROR
4 redirect

AddSongToPlaylist



Player


Player
dataBase
playlist
player
errorPage
1 idSong
alt
[session not null]
2 load idUser from session
[session is null]
3 INTERNAL_SERVER_ERROR
4 check bad format
5 getSong
alt
[error in db connection or query]
6 INTERNAL_SERVER_ERROR
7 check bad format song
8 getPlaylist
alt
[error in db connection or query]
9 INTERNAL_SERVER_ERROR
10 check bad format playlist
alt
[format legal]
11 set templates param
[format not legal]
12 BAD_REQUEST
13 redirect