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Music IMDB
Use-Case Model

Version 2.0

Revision History

Date	Version	Description	Author
18/03/2018	1.0	First version of all doc	Gyarmathy Timea
31/03/2018	2.0	Added sequence diagram	Gyarmathy Timea

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Use-Case Model

1.   Use-Cases Identification

Use case: Search music
Level: User-goal level
Primary actor: Regular user
Main success scenario:
1. User selects the search bar
2. User types in the name of the desired musical piece
3. User clicks search or hits 'Enter'
4. The system lists the search results

Extensions: In case no musical piece exists with specified name:
4. System displays "No results found"

Use case: Play music
Level: Sub-function
Primary actor: Regular user
Main success scenario:
1. User successfully completes the "Search music" use case or looks at the main page suggestions
2. User clicks on the desired musical piece
3. System navigates to the details of the piece and a play button appears
4. User clicks on the play button
5. Music starts to play

Use case: Login as administrator
Level: User-goal level
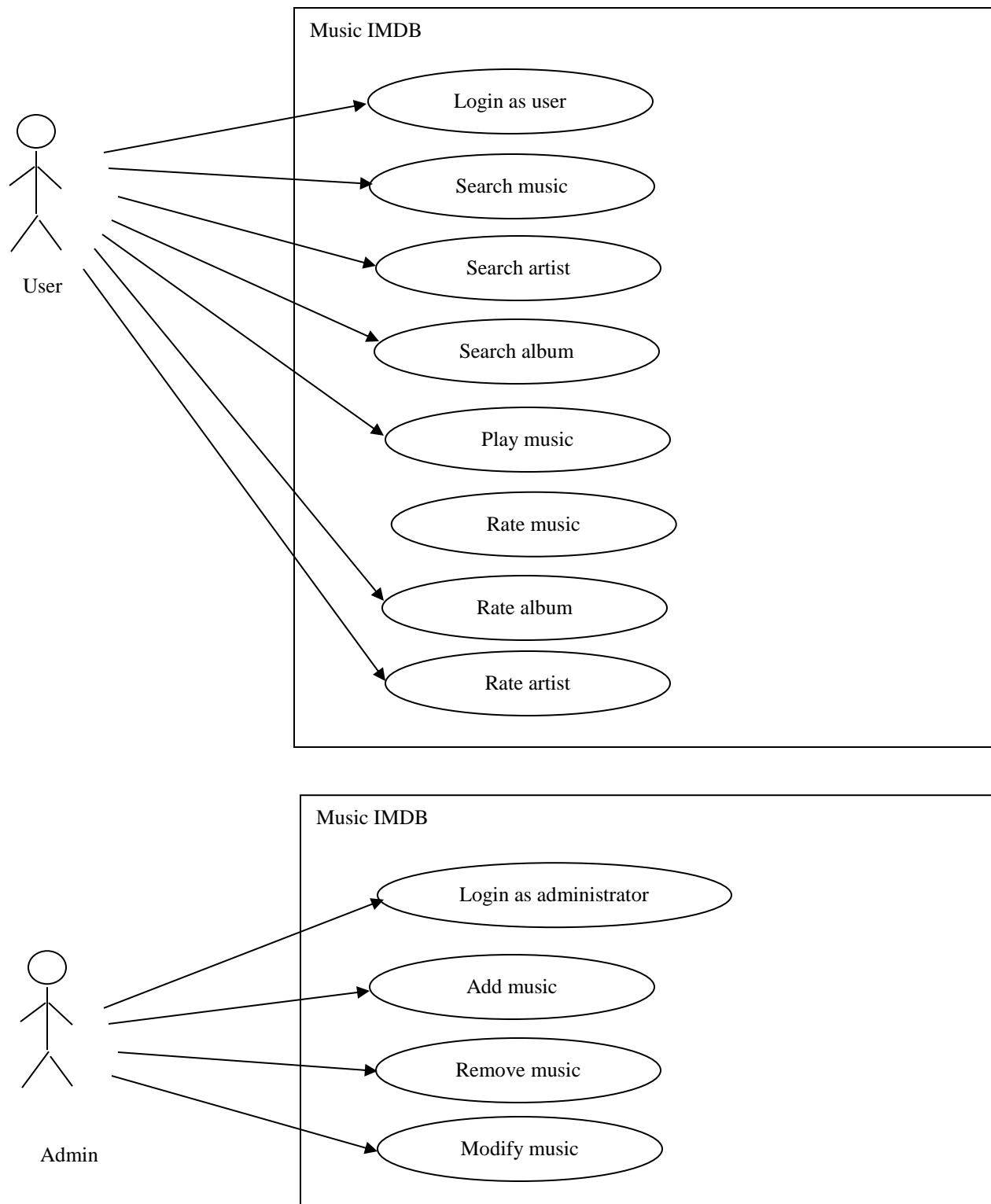**Primary actor:** System administrator
Main success scenario:
1. On the main page the administrator clicks 'Login'
2. A page appears with possibilities to enter credentials
3. Administrator enters username
4. Administrator enters password
5. Administrator clicks 'Login' or hits enter
6. System grants access and special privileges

Extensions: Failure: in case administrator mistypes username or enters wrong password
6. System displays "Wrong username or password"
7. Return to step 2.

2.   UML Use-Case Diagrams

2.1 UML Sequence Diagrams

The following diagram presents how searching and displaying music information would flow through the system.

MainPage

SearchRequest

1 : SearchButton_Click()

2 : new SearchRequest()

3

4 : SearchRequest.Execute()

5

SearchPage

6 : new SearchPage()

7

8 : ShowResults()

GetMusic

9 : new GetMusic()

10

11 : GetMusic.Execute()

MusicDAO

12 : new MusicDAO()

Database

13 : new Database()

14

15 : Database.Connect()

16

17 : Database.ExecuteQuery()

18

19 : Database.CloseConnection()

20

21

22

MusicInformationPage

23 : new MusicInformationPage()