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CSC 415: Software Engineering

Assignment 4

Open Source Software: Analysis & Design

Use Case Detailed Descriptions

Name	View album availability
Summary	Application users can view the countries where an album is available on a map.
Actors	General User/Music Listeners, Spotify Users, Record Label Employees
Preconditions	1. The user has entered the application by entering the URL 2. The user has searched for an album or dragged in an album from Spotify
Normal Scenario	1. The user goes to the website 2. The user searches for an album or drags in an album from the Spotify application 3. The map displays all the countries in which the album is available
Exception Scenario	Invalid album

Name	View albums available in a country
Summary	Application users can select a country on the map to view albums that are available in that country.
Actors	General User/Music Listeners, Spotify Users, Record Label Employees
Preconditions	1. The user has entered the application by entering the URL 2. The user has selected a country
Normal Scenario	1. The user goes to the website 2. The user selects a country 3. The sidebar displays a list of albums available in that country
Exception Scenario	Country selected in which Spotify is not used or available

Name	Generate playlist of popular available songs in a country
Summary	After selecting a country and viewing the albums available in that country, users have the options to generate a playlist of the most popular songs available in that country
Actors	General User/Music Listeners, Spotify Users, Record Label Employees
Preconditions	1. The user has entered the application by entering the URL 2. The user has selected a country 3. The user chooses the option to generate a playlist
Normal Scenario	1. The user goes to the website 2. The user selects a country 3. The user chooses the option to generate a playlist 4. A playlist of the most popular songs is generated 5. User can play the playlist
Exception Scenario	Country selected in which Spotify is not used or available
Open Issues	1. Playlist may have trouble generating 2. Playlist may take a long time to generate since the Spotify music library is massive