

ISYS2120

Project Report Assignment 3

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Query Explanation

1. Query 1

Before login:

MEDIA SERVER[artists](#)[songs](#)[podcasts](#)[albums](#)[tv shows](#)[movies](#)

Log in

Username

Password

Log in

After login:

MEDIA SERVER[artists](#)[songs](#)[podcasts](#)[albums](#)[tv shows](#)[movies](#)[logout](#)

Search Term
TV Shows Search

You have been logged in successfully

Welcome, james.smith

Your playlists

Playlist ID	Playlist Name	Items
1	james.smith's random movie collection	50
2	james.smith's random song collection	30
3	james.smith's random podcast episode collection	357
4	james.smith's random tv episode collection	64
5	james.smith's random collection of media	42

Your Podcasts

Podcast ID	Title	URI	Last Updated
2	Conversations	http://www.abc.net.au/local/podcasts/conversationspodcast.xml	2019-10-25
3	Hamish & Andy	https://www.omnycontent.com/d/playlist/02009:c12ace-4180-a62d-aa4c-0008f5fb0786e9ff0519-43u3-ab0cd-aa4c0176ad25/2b97b40-59cd-424a-ba35-aa4c0176ad25/podcast.rss	2019-10-23
6	Bad Batch	https://rss.art19.com/bad-batch	2019-10-25
	A Perfect Storm: The		2019

7	True Story of The Chamberlains	https://rss.acast.com/a-perfect-storm	2019-10-24
11	Dr Karl Podcast	http://www.abc.net.au/science/k2/podcast/dr_k_rss.xml	2019-10-24
12	TED Talks Daily	http://feeds.feedburner.com/TEDTalks_audio	2019-10-25
13	Office Ladies	https://rss.art19.com/office-ladies	2019-10-23

Your most recent viewed items

Media ID	Playcount	Progress	Lastviewed	Storage Location
1041	1	74.52	2019-10-01	/files/one-flew-over-the-cuckoos-nest.mp4
1225	4	76.42	2019-09-01	/files/network.mp4
1257	1	71.34	2019-08-10	/files/munna-bhai-m b b s .mp4
1251	0	42.04	2019-10-11	/files/it-happened-one-night.mp4
1089	2	98.39	2019-09-20	/files/princess-mononoke.mp4
3768	2	41.15	2019-09-09	https://p.scdn.co/mp3-preview/ee020cf9697bbb808e7ce905ce1fe0f786cd3d907cid=118e90cc8bcc44758238928a7b3e60b3
3801	37	82.58	2019-09-29	https://p.scdn.co/mp3-preview/87a55641fc9a65bddd4eb02adef3b8d80efb87657cid=118e90cc8bcc44758238928a7b3e60b3
3892	23	42.99	2019-07-03	https://p.scdn.co/mp3-preview/434b270fd333e889e6cd07a2b8d08f77e0ae5ae7cid=118e90cc8bcc44758238928a7b3e60b3
3824	23	52.28	2019-07-03	https://p.scdn.co/mp3-preview/50e82c99c20ffa4223e82250605bbd8500cb39287cid=118e90cc8bcc44758238928a7b3e60b3
3812	6	62.03	2019-10-03	None

2. Query 2

MEDIA SERVER

[artists](#)
[songs](#)
[podcasts](#)
[albums](#)
[tv shows](#)
[movies](#)
[logout](#)

Out Of The Woods by Taylor Swift

Song is 235 seconds long.

Artworks

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Descriptions

Genres

dance pop
pop
post-teen pop

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3. Query 3

MEDIA SERVER		
<div> <div>artists</div> <div>songs</div> <div>podcasts</div> <div>albums</div> <div>tv shows</div> <div>movies</div> <div>logout</div> </div> <div> <input type="text"/> <input type="button" value="Search"/> </div>		
All TV Shows		
TV Show ID	TV Show Name	TV Show Episode Count
1	Friends	236
2	Breaking Bad	62
3	Game of Thrones	73
4	The Big Bang Theory	279
5	Silicon Valley	47
6	The Good Place	45
7	The Sopranos	86
8	The Office (US)	195

4. Query 4

The query corresponds to the functionality of showing a list of relevant information about a single TV show with a given TV show id.

Friends

Artworks



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Descriptions

Rachel Green, Ross Geller, Monica Geller, Joey Tribbiani, Chandler Bing and Phoebe Buffay are all friends, living off of one another in the heart of New York City. Over the course of ten years, this average group of buddies goes through massive mayhem, family trouble, past and future romances, fights, laughs, tears and surprises as they learn what it really means to be a friend.

Genres

comedy
romance

Episodes for this TV Show

TV Show Episode Media ID	TV Show Episode Title	Season	Episode	Air Date
1	The One Where Monica Gets A Roommate	1	1	1994-09-22
2	The One With The Sonogram At The End	1	2	1994-09-29
3	The One With The Thumb	1	3	1994-10-06
4	The One With George Stephanopoulos	1	4	1994-10-13
5	The One With The East German Laundry Detergent	1	5	1994-10-20

5. Query 5

MEDIA SERVER

artists songs podcasts albums tv shows movies logout

Search Term
Go Search

1989 (Deluxe)

Artworks

The image is the album cover for Taylor Swift's '1989 (Deluxe)'. It features a close-up of Taylor Swift's face, with her eyes closed and a slight smile. She is wearing a purple and white patterned top. The year '1989' is written in large, bold, black numbers across the middle of the image. Below the image, the text 'Taylor Swift D.L.X.' is written in a handwritten style.

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Descriptions

Genres

6. Query 6

The query is an extension based on query 5 and corresponds to the functionality of showing the genres information of an album, which is a collection of all the song's non-duplicated genres information in the album.

Genres		
dance pop, pop, post-teen pop		
Song ID	Song Title	Artists
3794	Welcome To New York	Taylor Swift
3795	Blank Space	Taylor Swift
3796	Style	Taylor Swift
3797	Out Of The Woods	Taylor Swift
3798	All You Had To Do Was Stay	Taylor Swift
3799	Shake It Off	Taylor Swift
3800	I Wish You Would	Taylor Swift
3801	Bad Blood	Taylor Swift
3802	Wildest Dreams	Taylor Swift
3803	How You Get The Girl	Taylor Swift
3804	This Love	Taylor Swift
3805	I Know Places	Taylor Swift
3806	Clean	Taylor Swift
3807	Wonderland	Taylor Swift
3808	You Are In Love	Taylor Swift
3809	New Romantics	Taylor Swift
3810	I Know Places - Voice Memo	Taylor Swift
3811	I Wish You Would - Voice Memo	Taylor Swift
3812	Blank Space - Voice Memo	Taylor Swift

7. Query 7

This query correspond to the functionality of showing related information of a single podcast

The Joe Rogan Experience

ID

4

URI

<http://joeroganexp.joerogan.libsynpro.com/rss>

Last_updated date

2019-10-24

Artworks



Copyright © Talking Monkey Productions

Descriptions

The podcast of Comedian Joe Rogan..

Episodes for this Podcast

Podcast Episode Media ID	Podcast Episode Title	Podcast Episode URI	Podcast Episode Published Date	Podcast Episode Length
1759	#1370 - Brian Grazer	http://traffic.libsyn.com/joeroganexp/p1370.mp3?dest-id=19997	2019-10-24	8255
1760	#1369 - Christopher Ryan	http://traffic.libsyn.com/joeroganexp/p1369.mp3?dest-id=19997	2019-10-24	9022

8. Query 8

This query is responsible to retrieve id,title,URI, published date ,length and metadata for each podcast episode

MEDIA SERVER

artists songs podcasts albums tv shows movies logout

Search Term
1-10 items

ID: 1274

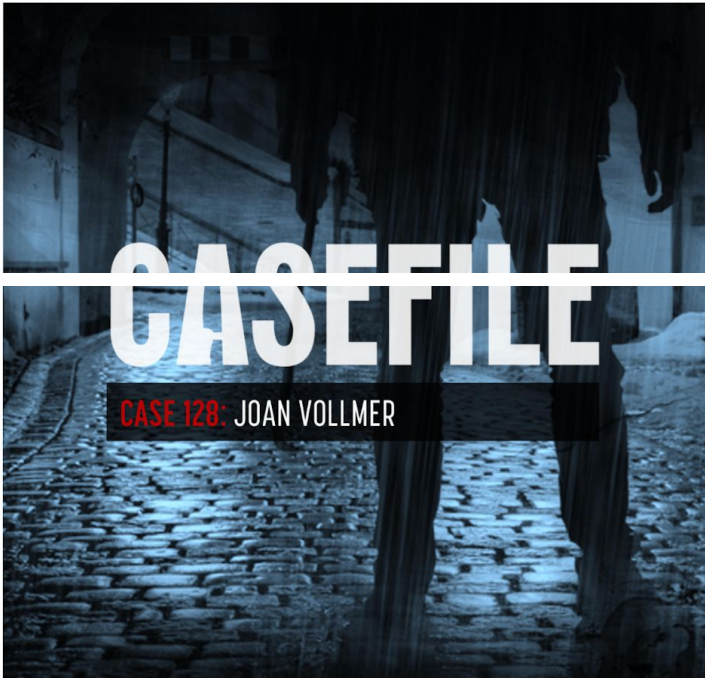
Title : Case 128: Joan Vollmer

Episode URI :

<https://pdst.fm/elaudioboom.com/posts/7400437.mp3?modified=1571426836&source=rss&stitched=1>

Published on 2019-10-18

Artworks



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Descriptions
On Sunday, January 10 1993, 54-year-old pig farmer Ralph Vollmer and his 49-year-old wife Joan returned home from a week-long interstate trip. The episode narrated by the Anonymous Host (<https://twitter.com/casefilepod>) Episode researched and written by Erin Munro McCreedy Director, Mily Raso (<http://milyrason.com/>) In this episode's sponsors: [HempFusion](https://www.hempfusion.com/) (<https://www.hempfusion.com/>) - Get 20% OFF your first order and FREE shipping with promo code 'CASEFILE' [Zigzagrecruiter](https://www.zigzagrecruiter.com/casefile) (<https://www.zigzagrecruiter.com/casefile>) - Post your jobs for FREE inthewednesday.com - Get 20% OFF your first order with promo code 'CASEFILE' [Article](https://www.article.com/casefile) (<https://www.article.com/casefile>) - Get \$50 off your first order of \$100 or more [For all credits and sources please visit casefilepodcast.com/case-128-joan-vollmer](https://casefilepodcast.com/case-128-joan-vollmer) (<https://casefilepodcast.com/case-128-joan-vollmer>)

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9. Query 9

Before insertion of new song:

3923	Polythene Pam - Remastered 2009	The Beatles
3924	She Came In Through The Bathroom Window - Remastered 2009	The Beatles
3925	Golden Slumbers - Remastered 2009	The Beatles
3926	Carry That Weight - Remastered 2009	The Beatles
3927	The End - Remastered 2009	The Beatles
3928	Her Majesty - Remastered 2009	The Beatles
3929	Eraser	Ed Sheeran
3930	Castle on the Hill	Ed Sheeran
3931	Dive	Ed Sheeran
3932	Shape of You	Ed Sheeran
3933	Perfect	Ed Sheeran
3934	Galway Girl	Ed Sheeran
3935	Happier	Ed Sheeran
3936	New Man	Ed Sheeran
3937	Hearts Don't Break Around Here	Ed Sheeran
3938	What Do I Know?	Ed Sheeran
3939	How Would You Feel (Paean)	Ed Sheeran
3940	Supermarket Flowers	Ed Sheeran
3941	Barcelona	Ed Sheeran
3942	Bibia Be Ye Ye	Ed Sheeran
3943	Nancy Mulligan	Ed Sheeran
3944	Save Myself	Ed Sheeran

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Adding a new song:

MEDIA SERVER

[artists](#)
[songs](#)
[podcasts](#)
[albums](#)
[tv shows](#)
[movies](#)
[logout](#)

Add Song

Song title:
Song length:

Storage location:
Description:

Song Genre:
Artist:

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Invalid song id or invalid artist_id cause insertion failure

Invalid Song ID

10. Query 10

To search for a movie by its title, the user has to select “Movie” in the select box under “Search Term” column.

MEDIA SERVER[artists](#)[songs](#)[podcasts](#)[albums](#)[tv shows](#)[movies](#)[logout](#)

Movies

Search

Welcome, james.smith

Then the user can enter the key words in the “Search Term” box in order to show a list of movie with title similar with term we enter in the “Search Term” box

MEDIA SERVER[artists](#)[songs](#)[podcasts](#)[albums](#)[tv shows](#)[movies](#)[logout](#)

Movies

Search

The results will be displayed after the user clicks on the “Search” button.

MEDIA SERVER[artists](#)[songs](#)[podcasts](#)[albums](#)[tv shows](#)[movies](#)[logout](#)

TV Shows

Search

Found 2 results!

Search Movies

Movie

Search

Movie ID	Movie Name	Movie Release Year
1025	The Godfather	1972
1026	The Godfather: Part II	1974

If there is no matching target, a message will be sent to the user.

MEDIA SERVER[artists](#)[songs](#)[podcasts](#)[albums](#)[tv shows](#)[movies](#)[logout](#)

TV Shows

Search

No matching tv shows found, please try again

Search Movies

Movie	Search
-------	--------

New Functionalities:

1. Media Player

For a random podcast episode, the user will be able to play the audio online, if they click on the button in the audio player area.

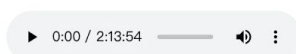


© Amazon Public Domain 2019.

Descriptions

Joe is joined by heavyweight fighter Justin Wren & middleweight fighter Rafael Lovato Jr.

MediaPlayer



The audio player area is right beneath the “MediaPlayer” header in bold font.

2. Four Iterations on Searching

The 4 iterations are extensions based on the developed functionalities of Searching for Movies and TV shows, which now covers the searching functions for all the media supported in the system, including Album, Artist, Podcast, and Song.

The menu of the searching functions had been extended.

The screenshot shows the top navigation bar of the MEDIA SERVER application. The bar is purple with the text "MEDIA SERVER" on the left and links for "artists", "songs", "podcasts", "albums", "tv shows", "movies", and "logout" on the right. Below the navigation bar, a white box displays "Welcome, james.smith". On the right side, there is a search interface with a "Search Term" input field and a "Search" button. A dropdown menu is open, showing options: "TV Shows" (selected with a checkmark), "Movies", "Songs", "Artists", "Albums", and "Podcasts".

For example, if the user is trying to find a song named “Hey Jude”, he or she will first have to select the “Songs” as a search range in the select box.

This screenshot shows the same MEDIA SERVER interface as before, but the dropdown menu is now set to "Songs". The "Search Term" input field is empty, and the "Search" button is visible.

Then enter the key words of the song title in the “Search Term” box.

The screenshot shows the MEDIA SERVER interface with "Hey Jude" entered in the "Search Term" input field. The "Search" button is highlighted. Below the search bar, a green banner displays "Found 2 results!".

Once the key words have been entered, the user can click on the “Search” button to start the function, which will then switch to another interface. All the songs whose titles are similar to the entered key words will be displayed on the interface.

This screenshot shows the MEDIA SERVER interface with the search results for "Hey Jude". The "Search Term" input field contains "Hey Jude", and the "Search" button is highlighted. Below the search bar, a green banner displays "Found 1 results!".

Search Songs

Song	Song ID	Song Title	Length
	3787	Hey Jude - Remastered 2015	425

However, if there exists no song that can match the key word, it will send a message to indicate the failure.

The screenshot shows the MEDIA SERVER interface with a red banner at the bottom displaying the message "No matching tv shows found, please try again". The search bar on the right shows "TV Shows" selected in the dropdown menu.

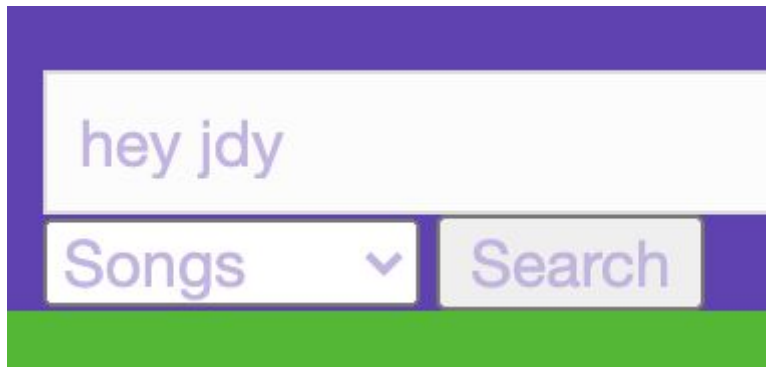
Search TV Shows

TV Show	Search
---------	--------

3. Fuzzy search

it will find the audio which has high similarity with the insert key word. If a user type in a name/title with some spelling error, it can still search for the rough answer. The function is covering TV shows, Album, Artist, Podcast, and Song.

For example: I want search for keyword “hey jdy”



hey jdy

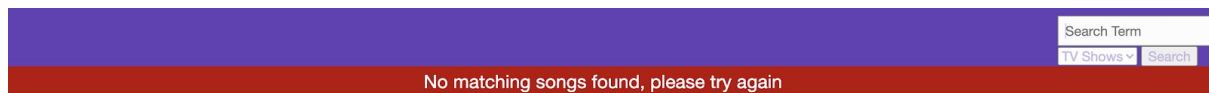
Songs ▾ Search

The result will be

JS

Search		
Song ID	Song Title	Length
3787	Hey Jude - Remastered 2015	425
3803	How You Get The Girl	247

The answers with high similarity come out.



Search Term
TV Shows ▾ Search

No matching songs found, please try again

It will still show no song found if you keyword do not has something with high similarity.

The function also implement on other kind of thing, it is shown in the following table.

