

BCDV1006 - Full Stack I

File Sharing Interface

Due Tues, Sept 29th^t – 25% of Final Grade

System Requirements

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Version #: **1.1**

1 Objective

This document contains a specification of the course assignment. It is a task where students practice skills to build a static web interface using the HTML and CSS.

This task will also include, working together in a group developing the project, plan, manage and coordinate development activities, to be done effectively to a deadline.

2 Teams

Teams will consist of one to two students (with two being the target number).

3 User Interface

The UI design will be HTML5/CSS3

4 Specification

The project will be based on a Music Download Application such as iTunes or Napster.

5 Requirements

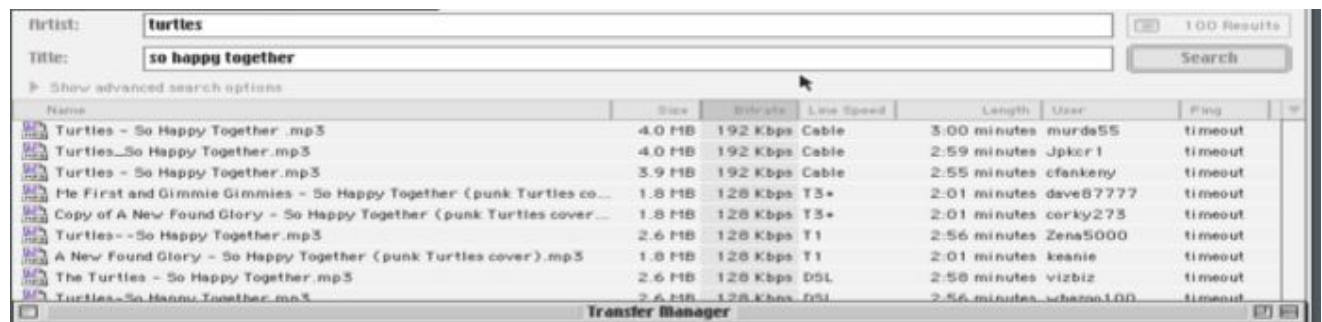
The minimum viable product MVP for our interface is we need to have the following:

- A form with inputs to search for an Artist or Title of Song
- A table/container of Songs with information Name, Time, Artist, Album, Genre, Rating

HTML Requirements

1. Create an HTML document with a valid HTML structure
2. Create a simple FORM with a number of inputs for Artist and Song Title
3. Create a BUTTON control to Search the Form
4. Create a container with a list of songs in rows with columns
 - a. This can be accomplished with the <table> and <tr> HTML tags
 - b. This can also be accomplished with <div> and tags, but require additional css.
 - c. Hint a generator can be used to help with this task
<https://divtable.com/generator/>

Reference to the original Napster file sharing application























The screenshot shows the Napster web interface. At the top, there are input fields for 'Artist:' (containing 'turtles') and 'Title:' (containing 'so happy together'). To the right of these fields is a 'Search' button and a '100 Results' indicator. Below the search fields is a link to 'Show advanced search options'. The main part of the interface is a table listing search results. The table has columns for Name, Size, Bitrate, Line Speed, Length, User, and Ping. The results list several MP3 files for 'Turtles - So Happy Together' with various details like size (4.0 MB, 3.9 MB, 1.8 MB, 2.6 MB), bitrate (192 Kbps, 128 Kbps), line speed (Cable, T3+, T1, DSL), length (3:00 minutes, 2:59 minutes, 2:55 minutes, 2:01 minutes, 2:56 minutes), and user names (murda55, Jpkor1, cfankeny, dave87777, corky273, Zena5000, keanie, vizbiz, whazoo100). All ping values are 'timeout'. At the bottom of the table is a 'Transfer Manager' button.

Name	Size	Bitrate	Line Speed	Length	User	Ping
Turtles - So Happy Together .mp3	4.0 MB	192 Kbps	Cable	3:00 minutes	murda55	timeout
Turtles...So Happy Together .mp3	4.0 MB	192 Kbps	Cable	2:59 minutes	Jpkor1	timeout
Turtles - So Happy Together .mp3	3.9 MB	192 Kbps	Cable	2:55 minutes	cfankeny	timeout
Me First and Gimmie Gimmes - So Happy Together (punk Turtles co...	1.8 MB	128 Kbps	T3+	2:01 minutes	dave87777	timeout
Copy of A New Found Glory - So Happy Together (punk Turtles cover...	1.8 MB	128 Kbps	T3+	2:01 minutes	corky273	timeout
Turtles - So Happy Together .mp3	2.6 MB	128 Kbps	T1	2:56 minutes	Zena5000	timeout
A New Found Glory - So Happy Together (punk Turtles cover) .mp3	1.8 MB	128 Kbps	T1	2:01 minutes	keanie	timeout
The Turtles - So Happy Together .mp3	2.6 MB	128 Kbps	DSL	2:56 minutes	vizbiz	timeout
Turtles - So Happy Together .mp3	2.6 MB	128 Kbps	DSL	2:56 minutes	whazoo100	timeout

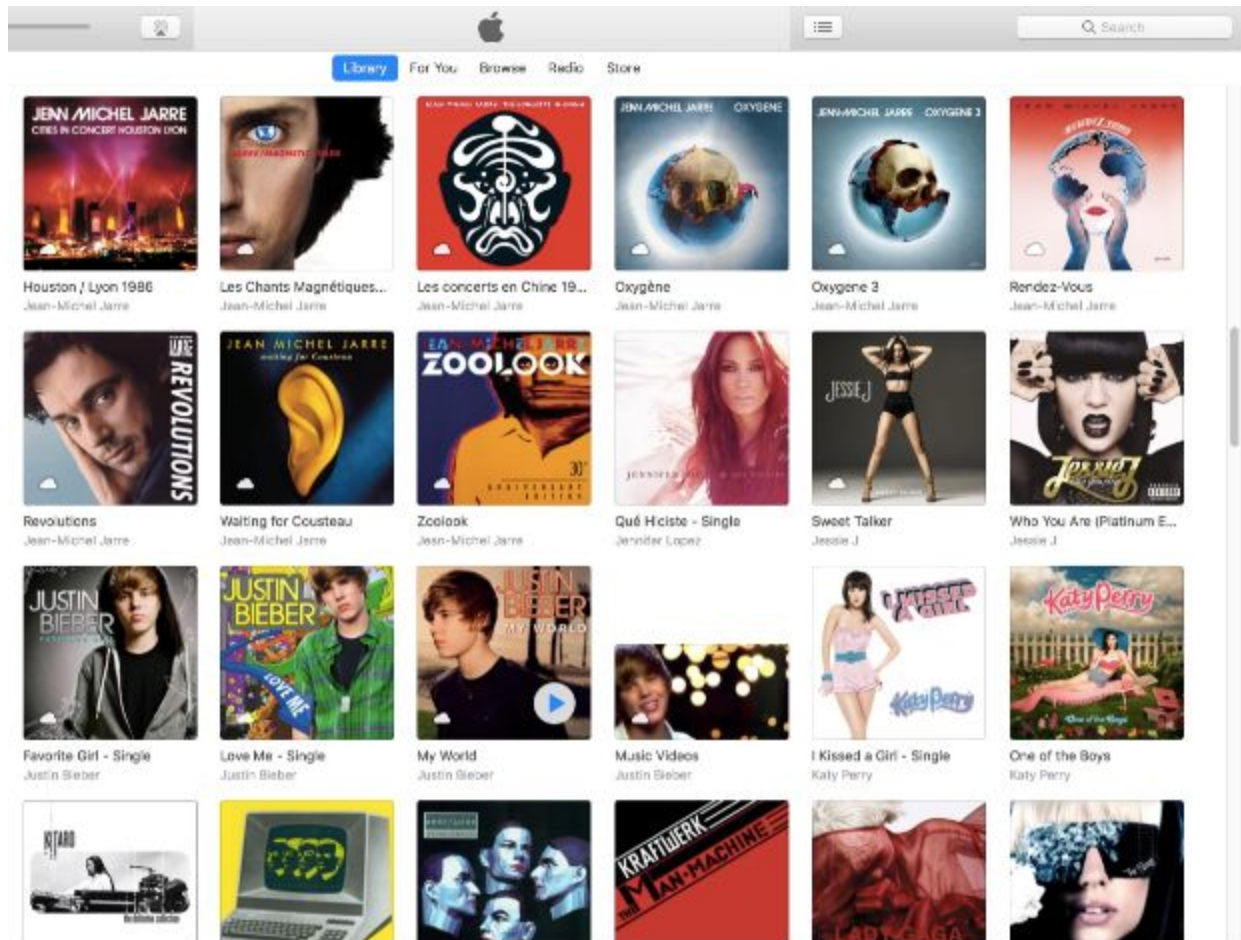
CSS Requirements

1. Create a style sheet and link it in the head tag of the HTML document
2. Add a style to give the FORM background a color other than white (ie. grey)
3. Add a style to give the table/container that a color other than white (ie. grey)
4. Add a style to highlight the font of the Song Name in a color other than blue (ie. blue)

Reference to the iTunes sharing application (Note: your interface is not expected to look like this)

Name		Time	Artist	Album	Genre	Rating
Take On Me ...		3:38	a-ha	80s The Collectio...	Alternative	
Sonata No. 5 in F Major for Violi...		8:53	Aaron Rosand and...	The 99 Most Esse...	Classical	
Sonata No. 9 in A Major for Violi...		13:51	Aaron Rosand and...	The 99 Most Esse...	Classical	
Dancing Queen		3:52	ABBA	Gold	Rock	
Knowing Me, Knowing You		4:04	ABBA	Gold	Rock	
Take A Chance On Me		4:06	ABBA	Gold	Rock	
Mamma Mia		3:33	ABBA	Gold	Rock	
Lay All Your Love On Me		4:35	ABBA	Gold	Rock	
Super Trouper		4:14	ABBA	Gold	Rock	★★★★☆
I Have A Dream		4:43	ABBA	Gold	Rock	
The Winner Takes It All		4:55	ABBA	Gold	Rock	
Money, Money, Money		3:06	ABBA	Gold	Rock	
S.O.S.		3:21	ABBA	Gold	Rock	
Chiquitita		5:25	ABBA	Gold	Rock	
Fernando		4:14	ABBA	Gold	Rock	
Voulez Vous		5:11	ABBA	Gold	Rock	
Gimme! Gimme! Gimme! (A Man...		4:53	ABBA	Gold	Rock	
Does Your Mother Know		3:14	ABBA	Gold	Rock	
One Of Us		3:57	ABBA	Gold	Rock	

Alternative, for bonus marks you can add Album covers to the music lists.



Submission

1. The project will uploaded and submitted to Black Board
2. Include a **README** file with the project that includes the following:
 - The names and student number of all the members of the tea
 - Instructions for installing or running the project.

Specification	Percentage
Implementing HTML	40%
Implementing CSS	40%
UX Styling	15%
Clean Code and Clarity	5%

11 Bonus

Bonus marks will be awarded for the following completed items. Note: this is only applicable where the project mark is less than 100%

Specification	Percentage
UX Design (including image tiles/album covers)	5%