

Zach Z-V, zzv2

CS 2300

February 18, 2015

Project 2 Checking.pdf

1. A description of how you check user input and how you determine which data is valid
 - a. Title, Artist, Album, Year, and Rating are all required fields to add a new track
 - b. Title, Artist, Album are sanitized using trim() and htmlspecialchars()
 - i. Must be non-empty strings
 - c. Year, NumTags, and Rating are checked with preg_match() to make sure they are integers in the correct range
2. Justification of why you allow some types of data and not others; What type of data did you check for in each field/category/filter and why?
 - a. all inputs are sanitized using trim() and htmlspecialchars() so that no malicious code can be executed through the forms
 - b. Title, Artist, Album, and Tags[] are strings and cannot contain special html chars because certain chars can allow code to be injected into the website
 - c. Year, NumTags, and Rating inputs must be integers; any non-numbers are not allowed due to the data type
 - d. Duplicate tracks are not allowed
3. An example of a search over multiple categories that can be performed using the search form on your website
 - a. Query: { Rating Condition: "Equal to", Rating: 10, Tags: upbeat}
 - b. Included:

Title	Artist	Album	Year	Rating	Num Ratings	Tags
Seeya (feat. Colleen D'Agostino)	Deadmau5	while(1<2)	2014	10	1	upbeat;dance

c. Excluded:

Title	Artist	Album	Year	Rating	Num Ratings	Tags
Dissolve Me	Alt-J	An Awesome Wave	2012	9	1	chill;study
G.O.M.D	J. Cole	2014 Forest Hills Drive	2014	10	1	hip-hop;rap
Hands On The Wheel (feat. A\$ap Rocky)	Schoolboy Q	Habits & Contradictions	2012	1	1	rap;hip-hop
Raise Your Weapon (Feat. Greta Svabo Bech)	Deadmau5	4x4=12	2010	9	1	indie;upbeat
The Mother We Share	Chvrches	The Bones Of What You Believe	2014	10	1	indie;happy;electronic

4. Any other design decisions, additional functionality, or notes you want us to know about
 - a. Sort by any column
 - b. All tables and lists are generated dynamically from an array of track fields