

## INFO/CS 2300 – Project 2

Zhenchuan Pang (zp55)

### Form Checking and Validations

Name/Artist/Album: In the real world, the music name, artist and album can be consisted by weird characters and symbols, so I did not limit the characters type. However, all of them should not be empty and the length should be less than 200, I think this is a reasonable limit. I used both front-end html attribute validation and back-end php validation.

### Type:

I included almost all types of music and other in the checkbox. At least one type must be select. On the client side, I checked that at least one is select. And on the server side, I check that the type selected by user must be one of the type I showed to user, in the set of the type set.

### Year:

Since published year of music can be very early but not later than the current year, so I validate that the year range is 0~current year, and the current year is not hard coded. On the client side, I checked that year must be a 4-digit letter, and on the server side, I both checked the input pattern and year range.

### Searching

The relation among the multiple parameters is “and”, because people usually use this relation to get a small range of the result to get the result they want when searching for music. Also, when if the parameter is not input by the user, I ignored this filter.

### WOW:

When the user get the search result, I highlighted the search filter that the user used.