

# DMIT2025 – PHP/MySQL

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## CD Collection Activity

Overview: Based on the lessons in Filtering Database Results, please finish the CD Collection project provided as per specifications.

Note: The term “CD” refers to a “Compact Disc”. This is an antiquated form of music storage that was once used before we had downloads and streaming.

Note: Yes, this design sucks. It is just an exercise. Do not redesign it, but feel free to change the layout if it helps you.

### Installation:

- Change `mysql_connect.php` to your credentials.
- Import the `cd_catalog_class.sql` table.
- Upload the folder.
- Browse to the `display.php` file.

### Requirements:

- Basic filtering by various parameters (year, genre, label) in *display.php*.
  - Create 2 query string variables that you will use. We have demo'd *displayby* and *displayvalue*, but you can call them anything you want.
    - One represents a column in your database table.
    - The other represents a value in that column.
  - Create two local variables that hold the values passed by the query string variables. Test these, and then include them in your MySQL SELECT query.
  - Test the functionality by manually typing in a query string and manipulating values.
  - Create some static links with representative query strings.
    - At least one year.
    - At least one label
    - Several genres.
    - One decade: This can be done by making sure your query is *displayby LIKE 'displayvalue'* and passing only the first 3 characters of a year followed by a % in the query string. This will match any year that starts with those 3 characters.
- Create a *detail.php* page that shows a single CD with all information. Create links from any results in *display.php* to this page with the correct query string.
- Try creating some widgets in *display.php*: These are dynamically generated items that represent content in your database.

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## Challenges:

- Try creating a dynamic (generated by your programming) list of ALL the labels, but not showing duplicates. Then, link each result to a listing of the CD's by that label (still done in *display.php*).
  - One label (A & M) may cause some problems because of characters in the URL. Solve this.
- Add a few more albums to the music collection: In a web search, find the artist info and a graphic of the cover art, add the info in phpMyAdmin, and resize/upload the cover art.