

PHP Web Page Plan (for PRJ2)

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Overview:

The web interface will consist of a single PHP page with a navigation bar or dropdown menu that allows users to select and execute one of the six predefined SQL queries. Results will be displayed in a responsive HTML table below the query selector.

Components:

1. Navigation Bar / Query Selector:
 - a. - A dropdown menu with options for Query 1 to Query 6 (descriptions provided).
 - b. - A submit button to execute the selected query.
2. Backend PHP Logic:
 - a. Use ``mysqli`` to connect to the MySQL database.
 - b. Map the selected dropdown option to the corresponding ``.sql`` query.
 - c. Execute the query and fetch results.
3. Display Area:
 - a. Use an HTML table to display query results.
 - b. Include a section for any errors or messages.
4. Optional Enhancements:
 - a. Add a CSS file for improved table styling.
 - b. Use JavaScript to enable live query switching without refreshing the entire page (AJAX).
5. Security:
 - a. Sanitize any input (although limited in this case).
 - b. Use prepared statements if allowing any dynamic parameters in future versions.

Example Dropdown Values:

- Query 1: Total Incidents Per Area

- Query 2: Crimes and Weapons Used
- Query 3: MO Codes Without Descriptions
- Query 4: Crimes Per Premises Type
- Query 5: Top 5 Most Frequent Crime Types
- Query 6: Crime Count by Reporting District

Summary:

This PHP page will act as a user-friendly frontend to explore insights from the crime database using the six key queries.