CIS 344 Project 1 Documentation - Jose Ramirez

Overview - Jose's Tutoring Services

Jose's Tutoring Services is designed to offer private tutoring services in various subjects including science, math, english, history, and technology. The web-page provides a user-friendly interface for potential clients to learn about the services offered and place orders for tutoring sessions.

Features

- **Multiple Subject Pages**: Each subject page offers information relevant to that subject.
- **Order Form**: A form for users to submit their tutoring requests, processed by 'processorder.php'.
- **Consistent Layout**: All pages share a consistent header, navigation menu, and footer to enhance usability. All pages are consistent rather than customized to promote a uniformed and easy to navigate web-page.
- **Multi-platform Design**: The platform is designed to be usable on both desktop and mobile devices.

Structure

Main Files

1. **index.php**: The home page that introduces Jose's Tutoring Services.

2. **science.php**: A page dedicated to detailed science tutoring services and subject areas within science offered for tutoring.

3. **math.php**: A page dedicated to detailed math tutoring services and subject areas within math offered for tutoring.

4. **english.php**: A page dedicated to detailed English tutoring services and the subject areas within English offered for tutoring.

5. **history.php**: A page dedicated to detailed history tutoring services and the subject areas for history offered for tutoring.

6. **technology.php**: A page dedicated to detailed technology tutoring services and the subject areas offered for tutoring.

7. **processorder.php**: A script that processes the order form for confirming tutoring sessions. A session date along with confirmation date is provided.

Page Purpose and Code Explanation

1. index.php

- **Purpose**: Introduces the tutoring service and provides links to each subject page.
- **Code Explanation**:
    - Sets up the basic HTML structure and links to CSS for styling.
    - Includes a navigation bar that allows users to access different subject pages.

2. science.php (and similar for other subjects - math, history, english, technology)

- **Purpose**: Provides detailed information about the tutoring services and includes an order form.

- **Code Explanation**:
  - HTML structure includes a header with navigation links and a main section that describes the services.
  - The form uses method="post" to submit data to processorder.php, with parameters for the user's name, subject, and session date.
  - Uses htmlspecialchars() to prevent XSS attacks by escaping special characters in user inputs.

3. processorder.php

- **Purpose**: Processes form submissions from any subject page and displays a confirmation message and date for the session and when the session was booked.

- **Code Explanation**:
  - Checks if the request method is POST to ensure data is being submitted from the form.
  - Retrieves and cleans user inputs using htmlspecialchars() to prevent security issues.
  - Displays a confirmation message to the user.

Challenges with Development Work

1. **Understanding HTML and PHP Integration**:
   - **Challenge**: PHP is new for me and has not been easy for me to grasp. Reviewing the concepts from previous lessons and the previous code has been

tough, so understanding how to use PHP functions and script PHP as intended has been a challenge.

- ○ **Solution**: Reviewing the previous class lessons and code files on our GitRepo has been helpful. Reviewing assignments along with textbook concepts have been helpful.

2. **Form Handling**:

- ○ **Challenge**: Managing form submissions, validations and data processing was confusing.

- ○ **Solution**: Start with simple forms and gradually adding complexity. Keeping my page simple and uniformed helps.

Conclusion

This documentation file is intended to serve as a guide for understanding the logic and structure behind Jose's Tutoring services. After taking the time to review and understand the logic behind the scripts, the concepts and development process behind building the tutoring service page should be clear.