**Additional Notes and Explanations**

**Design Choices**

1. **Use of MySQL**: MySQL is used because of its reliability and seamless integration with PHP. It's a popular choice with strong support, making it ideal for our application.
2. **Responsive Design**: The application is designed to work well on both desktop and mobile devices through the use of CSS media queries and flexible layout techniques for responsiveness.
3. **Separation of Concerns**: I've ensured that the front-end and back-end functionalities are separated, following the principle of separation of concerns. This should make it easier to maintain and scale the project.
4. **Simple and Elegant design**: I aimed for a simple and elegant design since there weren't any extra elements requested.

**Challenges Faced**

1. **Database Integration**: Handling requests from user Was a challenging task as there Could be multiple requests at a time so I tried to keep the back end asynchronous
2. **Responsive Design Implementation**: Designing a responsive layout that works seamlessly on various devices required careful planning and CSS adjustments.
3. **Updating tasks**: updating tasks was a hard process as it does not had an process as it did not had any separate fronted design and still updating date is hard as we have to follow the format of MySql server response which is opposite to the format we used in our task form.

**Future Improvements**

1. **User Authentication**: Implement user authentication and authorization to enhance security and provide personalized task management features.
2. **Enhanced Task Features**: Add more features such as task prioritization, categorization, and reminders.
3. **API Integration**: Develop a RESTful API for external integrations, allowing other applications to interact with the task management system.
4. **UI/UX Enhancements**: Improve the user interface and user experience by incorporating modern design principles and interactive elements.
5. **Performance Optimization**: Optimize the application’s performance by implementing caching mechanisms and optimizing database queries.