

DEVELOPER TEST - MEISTERS SOLUTIONS

Develop a Task Management System

Objective: The objective is to create a to-do list management system using PHP, MySQL and Zend Framework.

Requirements:

1. Environment Configuration:

Set up a PHP development environment with the Zend Framework and a MySQL server.

2. Backend (PHP with Zend Framework):

- Create a Zend Framework MVC application for the task management system.
- Implement a Task class that represents a task. The class should contain properties such as title, description, creation date and status (pending, in progress or completed).
- Implement a Zend controller that allows users to create, view, update and delete tasks.
- Use Zend Form to create forms for adding and editing tasks.
- Integrate Zend Db to perform CRUD operations on the MySQL database for tasks.
- Implement data validations on the server, such as ensuring that the title of a task is not blank.
- Implement the following business logics:
 - tasks can only be created during weekdays;
 - tasks can only be updated or deleted if in status pending;
 - tasks can only be deleted if its creation date is older than 5 days ago.
- Write unit tests for the CRUD operations using a suitable test library (e.g. PHPUnit).

3. Frontend (HTML/CSS/JavaScript):

- Create a responsive user interface to interact with the task management system.
- Use HTML, CSS and JavaScript to create the interface.
- Users should be able to view the list of tasks, add new tasks, edit existing tasks and mark tasks as in progress or completed by clicking on it.
- Implement a login page using the Zend Framework to authenticate users before accessing the system's functionalities.

4. Extra Functionalities (Nice to have):

- Implement task searching and filtering.
- Add pagination to the task list.
- Improve the user interface with animations and transitions.
- Implement an e-mail notification feature for reminders of pending tasks.

****Please remember to show the evidence screenshot and send the github link which contains the source code and database schema****

Good luck ;D