

Simple Task Tracker API - Coding Test

Project Overview

The Simple Task Tracker API is a lightweight backend application that provides endpoints for managing tasks. It allows users to perform basic CRUD operations on tasks.

Features

1. **Task Management:**
 - Users can retrieve a list of tasks.
 - Users can retrieve details of a specific task.
 - Users can add new tasks.
 - Users can update task details.
 - Users can delete tasks.

Technology Stack

- **Backend:** PHP 8+ (Use your preferred lightweight framework or no framework)

Milestones

1. **Project Setup and Task Retrieval:** Set up the backend project and create endpoints to retrieve a list of tasks and details of a specific task.
2. **Task Addition:** Implement an endpoint to add new tasks.
3. **Task Update:** Create an endpoint to update task details.
4. **Task Deletion:** Implement an endpoint to delete tasks.

Instructions

1. Set up a new PHP project for the backend.
2. Implement the endpoints mentioned in the milestones using RESTful API principles.
3. Use an in-memory data store (e.g., arrays) to manage the task data.
4. Focus on clean and well-structured code, adhering to PSRs.
5. Provide basic documentation on how to run the project and use the API endpoints.

Example API Endpoints

1. **GET /tasks:** Retrieve a list of tasks.
2. **GET /tasks/{id}:** Retrieve details of a specific task.
3. **POST /tasks:** Add a new task.
4. **PUT /tasks/{id}:** Update task details.
5. **DELETE /tasks/{id}:** Delete a task.

By focusing on the backend and utilizing your preferred lightweight framework or no framework, candidates can demonstrate their ability to design and implement a simple REST API with CRUD operations. This project should allow candidates to showcase their PHP 8+ skills within a 5-10 hour time frame.