

Documentation for a Flask Application

RESTful API for managing a To-Do list.

Introduction

This document provides the details about the To-Do List Flask API project, which is designed to manage a list of tasks and to-dos. The application will allow users to create, read, update and delete to-do items.

Technology Stack

- Programming Language: Python
- Framework: Flask
 - The Flask Framework is used to create the API endpoints and manage the server-side logic.
- Database: Python list
 - The current “database” uses a Python list to store the to-do items. However, it lacks data persistence.

Development Environment

- IDE: Visual Studio Code
- Version Control: GitHub
- Virtual Environment: Python’s built-in “venv” module.

API Endpoints

The API provides the following endpoints:

1. GET `’/todos’`: Fetches all to-do items.
2. POST `’/todos’`: Creates a new to-do item.
3. GET `’/todos/<id>’`: Retrieves a specific to-do item by its ID.
4. PUT/PATCH `’/todos/<id>’`: Updates a specific to-do item. PUT replaces the entire item, PATCH updates specific fields.
5. DELETE `’/todos/<id>’`: Deletes a specific to-do item by its ID.

Each to-do item contains the following fields:

- Id
- Title
- Description
- Completed
- CreatedAt
- UpdatedAt

Additional Supporting Tools

- Postman: Used to test API endpoint manually.

- ChatGPT: Used to set the direction to develop the Flask Application and to guide on the usage of the API.
- PythonAnywhere: Used to host the application.