Python API for Docker

## Introduction to Docker

Docker is a container management program.

A container is a standardized unit to develop, ship, and deploy an application or an application suite (group of programs). (Docker, 2023)

A container contains all the apps and dependencies required to run an app. An image is a template that downloads and/or assembles the missing pieces. (Amazon, 2024)

## Introduction to Docker API

Python API for Docker: <https://docker-py.readthedocs.io/en/stable/> (Docker SDK, n.d.)

The Python SDK is a Python module that can be used in Python scripts to manipulate Docker, such as running a container, creating a service and terminating containers and images.

## Bibliography

Docker, 2023. *What is a Container?* [online] Docker. Available at: <https://www.docker.com/resources/what-container/>.

Docker SDK, 2024. *Docker SDK for Python — Docker SDK for Python 4.4.4 documentation*. [online] docker-py.readthedocs.io. Available at: <https://docker-py.readthedocs.io/en/stable/> [Accessed 10 April 2024].

Amazon, 2024. *Docker Image vs Container - Difference Between Application Deployment Technologies - AWS*. [online] Amazon Web Services, Inc. Available at: <https://aws.amazon.com/compare/the-difference-between-docker-images-and-containers/> [Accessed 10 April 2024].