

rest_api_server_python_flask

This is a git repository for a cloud based server providing REST API service and storage running on flask and hosted on pythonanywhere.

The project consists of two components:

- A Book viewer REST API server with AJAX web interface
- A Raspberry PI application with a sensor HAT collecting weather data and pushing it to the cloud server using the REST API

<http://jattie.pythonanywhere.com/bookviewer.html>

<http://jattie.pythonanywhere.com/pigraph.html>

Both Applications are hosted on PythonAnywhere.

The Raspberry PI code is available here: https://github.com/G00364778/rest_client_pi

More information on a raspberry pi is here: <https://www.raspberrypi.org/>

The sensor board information is here:

https://wiki.52pi.com/index.php/DockerPi_Sensor_Hub_Development_Board_SKU:_EP-0106

Files in the repository

File DateTime	File Bytes	File Name	File Description
06/12/2019 17:42	19	.gitignore	Ignore the sources for revision tracking
02/12/2019 10:39	305	app.py	Basic Flask server test setup
11/12/2019 22:31	3,868	bookDAO.py	MySQL database interface functionalities
11/12/2019 22:47	9,500	bookviewer.html	The Bookviewer HTML and Java/AJAX Scripts
06/12/2019 17:39	104	config.py	The file to be created on the target server
06/12/2019 17:39	82	configtemplate.py	The template file for config
12/12/2019 11:43	2,159	dump_book.sql	The SQL dump file for the book table
12/12/2019 11:44	3,182	dump_pisense.sql	The SQL dump file for the pisense table
07/12/2019 12:25	82	index.html	The index file that redirect to bookviewer
02/12/2019 08:40	1,099	LICENSE	The License file for the code
11/12/2019 22:34	602	pigraph.html	The HTML file for the pi data graphing
12/12/2019 11:58	846	README.md	The Readme for the project
12/12/2019 11:59	59,558	README.pdf	The pdf generated from the readme
01/12/2019 19:01	248	requirements.txt	The python requirements for running it all
11/12/2019 22:31	4,653	server1.py	The main flask server file in python