

NOTE: To run custom.py you must specific python3 on the command line i.e *python3 custom.py*. Also, the package *pytz* must be installed to run; to install said package run *pip3 install pytz* on the command line. To run *example.py* on the command line you must also pass the ip address (-a) and the port (-p) as a parameter. For example, *python3 example.py -a 192.168.137.94 -p 5000*.

Overview: This program sends and receives the time and date of specific cities based on their time zone.

#### Custom API

Endpoint	Method	Parameters/Arguments	Response Code/Message	Response Body	Description
/custom/times	GET	N/A	Standard response code and message upon success or failure.	A JSON object that contains all the elements in the times dictionary.	Used to show all the cities, time zones, and ids of all the elements in the times dictionary on the flask server.
/custom/time_id	GET	Parameter: time_id	Standard response code and message upon success or failure.	A string that represents the city and time zone of the elements with that specific time_id.	Used to show the current time and date of a specific city with the corresponding time id.
/custom/times/currentTime	GET	N/A	Standard response code and message upon success or failure.	A string that represents the current time and date in UTC time zone.	Used to check the current time and date of the coordinated universal time zone
/custom/times	POST	Argument: cityData	Standard response code and message upon success or failure.	A JSON object with the user's specified city and time zone with the corresponding server created id.	Used to add a city and time zone with the largest id to the server.
/custom/times/time_id	POST	Parameter: time_id Argument: cityData	Standard response code and message upon success or failure.	A JSON object that represents the city, time zone, and id that was added to the server's dictionary.	Used to add a city, time zone, with a specific id to the server's time dictionary.

## Parameters/Arguments

Name	Type	Description
cityData	Dictionary	A dictionary element that represents a City in string as well as a TimeZone in a string. Ex. cityData = [ ('City', 'Los Angeles, CA'), ('TimeZone', 'US/Pacific'), ]
time_id	Int	The id that corresponds to a specific times dictionary element that is stored on the custom.py flask server Ex. time_id = 0, represents the city New York City, NY and time zone US/Eastern time_id = 1, represents the city Austin, TX and time zone US/Central

## Canvas API

Endpoint	Method	Parameters	Response Code/Message	Response Body	Description
/canvas	GET	N/A	Standard response code and message upon success or failure.	A JSON object listing the filenames of all the files stored on the Canvas group page.	Retrieves a list of the files stored in the root directory of the Canvas Group page.
/canvas/download	GET	filename	Standard response code and message upon success or failure.	The file named "filename".	Download a specific file from the root directory of the Canvas Group page.
/canvas/upload	POST	filename, file	Standard response code and message upon success or failure.	N/A	Upload a file to the root directory of the Canvas Group page.

## Canvas Parameters/Arguments

Name	Type	Description
filename	str	The name of the file
file	file	A file that will be sent in a multi-part request. Not handled like a normal HTTP Parameter/Argument.