

# 11-28 Assignment - Web 2.0 Assignment In Class

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**Due** Nov 28 by 11:59pm      **Points** 20      **Submitting** a text entry box

**Available** Nov 28 at 12am - Nov 28 at 11:59pm 1 day

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This assignment was locked Nov 28 at 11:59pm.

Create a rest server that implements the following API calls. [Mine](#)  
(<http://ceclnx01.cec.miamioh.edu/~campbest/cse383/1128/rest1128.php>) is available for you to try:

Here is a [test suite](#) (<http://ceclnx01.cec.miamioh.edu/~campbest/cse383/1128/test.txt>) that should exercise the rest calls.

table in the cse383 database:

- KeyValue
  - pk - primary key, int
  - keyName -> tinyText
  - value -> tinyText
  - timestamp -> timestamp
  
- getKeys
  - url: rest1128.php/v1/keys
  - method: get
  - returns the name of all keyNames from the table KeyValue
  - json\_in: none
  - json\_out:
    - status: string "OK" or "FAIL"
    - keys[]
      - array of keyValues
  
- get value for a key
  - url: rest1128.php/v1/keys/:NAME
  - method: get
  - returns the value for the key with the given name from the table KeyValue
  - json\_in: none
  - json\_out:
    - status: string "OK" or "FAIL"
    - value: string
  
- add keyvalue
  - url: rest1128.php/v1/keys
  - method: post

- sets the value for the given key to the given value. Deletes any existing key with the given name.
- json\_in:
  - keyName: string
  - value: string
- json\_out:
  - status: string "OK" or "FAIL"

#### Details:

- Call this rest1128.php
- Create a series of curl tests and call it rest1128-tests.sh
  - add at least 4 tests (mostly for error handling)
- Do this work in your git working copy and make sure the code is submitted to the gitlab repository.
- Submit links to your rest-server, your test code, and to your gitlab in canvas.