



Blueboard Interview Homework

REST Service

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Requirements

- No frameworks
- Python + gevent
- Needs to live on the web for review
- MySQL (or MariaDB) or PostgreSQL

Endpoints

Get all users

GET: /users

i.e. <http://localhost:8088/users>

Get the user for the provided {userid}

GET: /users/{userid}

i.e. <http://localhost:8088/users/9089755328d854278cdc03352b25a29aad835953aefe89187c376c79>

Create a new user using either email or sms number

POST: /users

ARGS: email: user@domain.com

or

sms: +15415551212

This should return the same JSON object as GET the user for the provided {userid}

You'll need to create the uuid using an SHA224 hash of the arg provided

i.e. <http://localhost:8088/users>

Update a user using their uuid

PUT: /users/{userid}

ARGS: uuid: 9089755328d854278cdc03352b25a29aad835953aefe89187c376c79

any keys/values to update in the database schema except uuid

This should return the same JSON object as GET the user for the provided {userid}

i.e. <http://localhost:8088/users/9089755328d854278cdc03352b25a29aad835953aefe89187c376c79>

Delete a new user using either email or sms number.

DELETE: /users/{userid}

This should return a JSON with the status of the operation

i.e. <http://localhost:8088/users/9089755328d854278cdc03352b25a29aad835953aefe89187c376c79>

Schema

```
CREATE TABLE `users` (  
  `pid` int(11) NOT NULL PRIMARY KEY AUTO_INCREMENT,  
  `uuid` varchar(56) DEFAULT NULL,  
  `username` varchar(255) DEFAULT NULL,  
  `name` varchar(255) DEFAULT NULL,  
  `email` varchar(255) DEFAULT NULL,  
  `sms` varchar(25) DEFAULT NULL,  
  `created` int(11) DEFAULT NULL,  
  `lastseen` int(11) DEFAULT NULL  
);
```