|  |  |  |
| --- | --- | --- |
|  | Input | Output |
| Service 1  http://35.185.94.88/uhi/RegisterSensor | {"ssid":"Aad34"} | {"status":true} |
| Service 2  http://35.185.94.88/uhi/GetSensorID | {"id":14} | {"ssid":"Aad34"}  Or {"ssid":"0"} if not available |
| Service 2  http://35.185.94.88/uhi/SensorData | {"latitude":10,  "longitude":11.5,  "altitude":12.3,  "h\_accuracy":12.44,  "v\_accuracy":343,  "temperature":232,  "humidity":32,  "heat\_index":65,  "battery\_level":23,  "rssi":239,  "dew\_point":747,  "user\_id":14,  "time":"2014-04-09 06:34:25"} | {"status":true} |

**Database Schema**

create database uhi;

use uhi;

DROP TABLE IF EXISTS `id\_registration`;

CREATE TABLE `id\_registration` (

`id` int(11) NOT NULL AUTO\_INCREMENT,

`ssid` varchar(45) NOT NULL,

PRIMARY KEY (`id`),

UNIQUE KEY `ssid\_UNIQUE` (`ssid`)

) ENGINE=InnoDB AUTO\_INCREMENT=13 DEFAULT CHARSET=latin1;

DROP TABLE IF EXISTS `loc\_temp`;

CREATE TABLE `loc\_temp` (

`id` int(11) NOT NULL AUTO\_INCREMENT,

`user\_id` int(11) NOT NULL,

`latitude` double NOT NULL,

`longitude` double NOT NULL,

`altitude` double DEFAULT NULL,

`h\_accuracy` double DEFAULT NULL,

`v\_accuracy` double DEFAULT NULL,

`temperature` double NOT NULL,

`humidity` double NOT NULL,

`heat\_index` double NOT NULL,

`dew\_point` double NOT NULL,

`battery\_level` double DEFAULT NULL,

`rssi` double DEFAULT NULL,

`time` datetime NOT NULL,

`serverTime` datetime NOT NULL DEFAULT CURRENT\_TIMESTAMP,

PRIMARY KEY (`id`),

KEY `userFK\_idx` (`user\_id`),

CONSTRAINT `userFK` FOREIGN KEY (`user\_id`) REFERENCES `id\_registration` (`id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB AUTO\_INCREMENT=4 DEFAULT CHARSET=latin1;