url: [www.zhengyuduan.com/station-api/](http://www.zhengyuduan.com/station-api/)

Station status: offline (0), online (1), in-use (2), maintenance (3)

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| **Initialization** | |
| URL | /initial.php |
| METHOD | POST |
| Body | {  "stationID" : \*,  "stationType" : \*,  "orderID" : \*,  "GPSID" : \*  } |
| DESCRIPTION | Initial station information  Clear all data table and sensor information  Initial and create a GPS sensor & data table. |

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| **Register** | |
| URL | /register.php |
| METHOD | POST |
| Body | {  "sensorID” : \*,  “sensorType” : \*  } |
| DESCRIPTION | Register a new sensor for the station  Create data table for that sensor  Sensor type and sensor ID should be unique. |

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| **GetStationStatus** | |
| URL | /getStatus.php |
| METHOD | GET |
| DESCRIPTION | Register a new sensor for the station  Create data table for that sensor  Sensor type and sensor ID should be unique. |

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| **ChangeStationStatus** | |
| URL | /changeStatus.php |
| METHOD | POST |
| Body | {  "status” : 2  } |
| DESCRIPTION | Chang station status |

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| **GetSensorStatus** | |
| URL | /getSensorStatus.php |
| METHOD | GET |
| BODY | {  “SensorID” : 123  } |
| DESCRIPTION | Return sensor status by sensorID  Will not have any return if sensor does not exists |

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| **ChangeSensorStatus** | |
| URL | /changeSensorStatus.php |
| METHOD | POST |
| BODY | {  “sensorID” : 123,  “sensorStatus”: 2  } |
| DESCRIPTION | Change status for sensor by ID. |

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| **GetLastData** | |
| URL | /getSensorData.php |
| METHOD | GET |
| BODY | {  “sensorID” : 123  } |
| DESCRIPTION | Return data in JSON format for select sensor  Only returns the newest data.  “newest” determined by time  Will not generate new data, only pull the last record. |
| RETURN | {  “sensorID”: 1,  “time”: 2314,  “data”: {  “values”:123  }  } |

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| **GetDataForTime** | |
| URL | /getDataForTime.php |
| METHOD | GET |
| BODY | {  “sensorID” : 123,  “startTime”: 1000,  “endTime”: 2000  } |
| DESCRIPTION | Return all data between start time and end time. |
| RETURN (FOR GPS) | {      "sensorID": 1,      "datas": [          {              "time": "168",              "data": {                  "longitude": 37.338298,                  "latitude": -121.880228              }          },          {              "time": "168",              "data": {                  "longitude": 37.338308,                  "latitude": -121.880177              }          }  } |
| RETURN (FOR OTHER SENSORS) | {  “sensorID”: 1,  “datas”: [  {“time”:1000,  “data”: {  “value”: 123  }  },  {“time”:1002,  “data”: {  “value”: 124  }  },  {“time”:1004,  “data”: {  “value”: 125  }  }  ]  } |

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| **GenerateDataForTime** | |
| URL | /generateDataForTime.php |
| METHOD | PUT |
| BODY | {  “startTime” : 900,  “endTime”: 1000,  “interval”: 20  } |
| DESCRIPTION | Generate data from starttime to endtime (inclusive) every [interval] time; |