* GoodJob

# **1. Login**

* API = localhos/goodjob/api/login.api.php
* Row Contents Json

{

    "username":"thone",

    "password":"123456"

}

# **2. Admin**

* API = localhost/goodjob/api/admin.api.php

## **2.1. Create Admin**

* Header

Token = YOUR\_TOKEN

Method =addAdmin

* Row Contents Json

{

    "name":"suck",

    "lastname":"jueck",

    "username":"thone2",

    "password":"123456789",

    "address":"vangvieng",

    "phonenumber":"02056565656",

    "email":"suck@gmail.com"

}

## **2.2. Update Admin**

* Header

Token = YOUR\_TOKEN

Method =updateAdmin

* Row Contents Json

{

    "id":"1",

    "name":"suck",

    "lastname":"jueck",

    "username":"thone",

    "password":"123456789",

    "address":"vangvieng",

    "phonenumber":"02056565656",

    "email":"suck@gmail.com"

}

## **2.3. Delete Admin**

* Header

Token = YOUR\_TOKEN

Method =deleteAdmin

* Row Contents Json

{

  "id":6

}

## **2.4. Change Password**

* Header

Token = YOUR\_TOKEN

Method =changePassword

* Row Contents Json

{

    "id":1,

    "newPassword":"7686963"

}

## **2.5. Admin List All**

* Header

Token = YOUR\_TOKEN

Method =adminListAll

## **2.6. Admin List Page**

* Header

Token = YOUR\_TOKEN

Method =adminListPage

* Row Contents Json

{

    "page":1,

    "limit":10,

    "keyword":"phone2233"

}

Keyword = name, lastname

## **2.7. Get Admin By Id**

* Header

Token = YOUR\_TOKEN

Method =getAdmin

* Row Contents Json

{

    "id":1

}

# **3. Station**

* API = localhost/forecasting/api/station.api.php

## **3.1. Create Station**

* Header

Token = YOUR\_TOKEN

Method =addStation

* Row Contents Json

{

    "station\_number":"0112MD000",

     "station\_model":"AS-200",

     "station\_phonenumber":"02033332222",

    "name\_lao":"ສາຂາດອນກອຍ",

    "name\_eng":"donekoy",

    "type":"climate",

    "lng":"213564654",

    "lat":"231321645",

    "alt":"234123412"

}

## **3.2. Update Station**

* Header

Token = YOUR\_TOKEN

Method =updateStation

* Row Contents Json

{

   "id":3,

    "station\_number":"0112MD000",

     "station\_model":"AS-200",

     "station\_phonenumber":"02033332222",

    "name\_lao":"ສາຂາດອນກອຍ",

    "name\_eng":"donekoy",

    "type":"climate",

    "lng":"213564654",

    "lat":"231321645",

    "alt":"234123412"

}

## **3.3. Delete Station**

* Header

Token = YOUR\_TOKEN

Method =deleteStation

* Row Contents Json

{

   "id":3

}

## **3.4. Get Station**

* Header

Token = YOUR\_TOKEN

Method =getStation

* Row Contents Json

{

    "id":1

}

## **3.5. Station List All**

* Header

Token = YOUR\_TOKEN

Method =userListAll

## **3.6. Station List Page**

* Header

Token = YOUR\_TOKEN

Method =stationListPage

* Row Contents Json

{

    "page":1,

    "limit":10,

    "keyword":"keyword"

}

Keyword = station\_number, name\_lao, name\_eng

## **3.7. Station List All By User**

* Header

Token = YOUR\_TOKEN

Method =stationListAllByUser

* Row Contents Json

{

    "userid":1

}

## **3.8. Station List Page By User**

* Header

Token = YOUR\_TOKEN

Method =stationListPageByUser

* Row Contents Json

{

    "userid":1

    "page":1,

    "limit":10,

    "keyword":"keyword"

}

Keyword = station\_number, name\_lao, name\_eng

## **3.9. Set New part**

* Header

Token = YOUR\_TOKEN

Method =setNewPart

* Row Contents Json

{

    "id":8,

    "part":"North"

}

## **3.8. Station List Page By Part**

* Header

Token = YOUR\_TOKEN

Method =stationListPageByPart

* Row Contents Json

{

    "part":"North",

    "page":1,

    "limit":10,

    "keyword":"0112MD000"

}

Keyword = station\_number, name\_lao, name\_eng

## **3.7. Station Synoptic List All By User**

* Header

Token = YOUR\_TOKEN

Method =stationSynopticListAllByUser

* Row Contents Json

{

    "userid":1

}

## **3.8. Station Hydrology List All By User**

* Header

Token = YOUR\_TOKEN

Method =stationHydrologyListAllByUser

* Row Contents Json

{

    "userid":1

}

# **4. Hydrology**

* API = localhost/forecasting/api/hydrology.api.php

## **4.1. Create Hydrology**

* Header

Token = YOUR\_TOKEN

Method =addHydrology

* Row Contents Json

{

    "time": "2020-10-11 05:22:00",

    "rain\_tips": "33",

    "rain\_fall": "33",

    "water\_fall": "22",

    "water\_temperature": "11",

    "ext\_batt": "55",

    "moisture": "66",

    "modern\_signal": "77",

    "station\_id" : "3"

}

## **4.2. Hydrology List All**

* Header

Token = YOUR\_TOKEN

Method =hydrologyListAll

* Row Contents Json

## **4.3. Hydrology List Page**

* Header

Token = YOUR\_TOKEN

Method =hydrologyListPage

* Row Contents Json

{

    "page":1,

    "limit":10,

    "keyword":"keyword"

}

Keyword = station\_number, name\_lao, name\_eng

## **4.4. Hydrology List Page By Time**

* Header

Token = YOUR\_TOKEN

Method =hydrologyListByTime

* Row Contents Json

{

     "startTime":"2020-10-11 03:22:00",

     "endTime":"2020-10-11 07:23:00",

    "page":1,

    "limit":10,

    "keyword":"keyword"

}

Keyword = station\_number, name\_lao, name\_eng

## **4.5. Hydrology List Page By Station**

* Header

Token = YOUR\_TOKEN

Method =hydrologyListByStation

* Row Contents Json

{

    "station\_id":3,

    "page":1,

    "limit":10

}

## **4.6. Hydrology List Page By Time And Station**

* Header

Token = YOUR\_TOKEN

Method =hydrologyListByTimeAndStation

* Row Contents Json

{

    "station\_id": 1,

    "startTime": "2020-10-11 03:22:00",

    "endTime": "2020-10-11 05:23:00",

    "page": 1,

    "limit": 10

}

## **4.5. Hydrology List Chilldren Of Station**

* Header

Token = YOUR\_TOKEN

Method =hydrologyChilldrenOfStation

* Row Contents Json

## **4.10. Hydrology List Chilldren Of Station By Part**

* Header

Token = YOUR\_TOKEN

Method =hydrologyChilldrenOfStationByPart

* Row Contents Json

{

    "part":"North"

}

## **4.11. Hydrology List All For Graph**

* Header

Token = YOUR\_TOKEN

Method =hydrologyListForGraph

* Row Contents Json

{

    "myColumn": ["rain\_tips","rain\_fall"],

    "station\_id": 20,

    "startTime": "2021-05-10 00:00:00",

    "endTime": "2021-06-12 23:59:59"

}

# **5. Synoptic**

* API = localhost/forecasting/api/synoptic.api.php

## **5.1. Create Synoptic**

* Header

Token = YOUR\_TOKEN

Method =addSynoptic

* Row Contents Json

{

    "time": "2020-10-10 02:22:00",

    "avg\_wind\_speed": "33",

    "avg\_wind\_direction": "44",

    "wind\_gust": "555",

    "wind\_status": "66",

    "air\_temperature": "77",

    "relative\_humidity": "88",

    "air\_pressure": "88",

    "dewpoint": "999",

    "metpak\_status": "000",

    "net\_radiation": "111",

    "rain\_tips": "222",

    "rain\_fall": "333",

    "ext\_batt": "4444",

    "moisture": "555",

    "modern\_signal": "666",

    "station\_id": "6"

}

## **5.2. Synoptic List All**

* Header

Token = YOUR\_TOKEN

Method =synopticListAll

* Row Contents Json

## **5.3. Synoptic List Page**

* Header

Token = YOUR\_TOKEN

Method =synopticListPage

* Row Contents Json

{

    "page":1,

    "limit":10,

    "keyword":"keyword"

}

Keyword = station\_number, name\_lao, name\_eng

## **4.4. Synoptic List Page By Time**

* Header

Token = YOUR\_TOKEN

Method =synopticListByTime

* Row Contents Json

{

     "startTime":"2020-10-11 03:22:00",

     "endTime":"2020-10-11 07:23:00",

    "page":1,

    "limit":10,

    "keyword":"keyword"

}

Keyword = station\_number, name\_lao, name\_eng

## **4.5. Synoptic List Page By Station**

* Header

Token = YOUR\_TOKEN

Method =synopticListByStation

* Row Contents Json

{

    "station\_id":3,

    "page":1,

    "limit":10

}

## **4.6. Synoptic List Page By Time And Station**

* Header

Token = YOUR\_TOKEN

Method =synopticListByTimeAndStation

* Row Contents Json

{

    "station\_id": 1,

    "startTime": "2020-10-11 03:22:00",

    "endTime": "2020-10-11 05:23:00",

    "page": 1,

    "limit": 10

}

## **5.7. Synoptic List Page By Part**

* Header

Token = YOUR\_TOKEN

Method =synopticListPageByPart

* Row Contents Json

{

    "part":"South",

    "page":1,

    "limit":10,

    "keyword":""

}

Keyword = station\_number, name\_lao, name\_eng

## **5.8. Synoptic List All For Graph**

* Header

Token = YOUR\_TOKEN

Method =synopticListForGraph

* Row Contents Json

{

    "myColumn": ["avg\_wind\_speed","avg\_wind\_direction"],

    "station\_id": 17,

    "startTime": "2000-10-10 02:22:00",

    "endTime": "2022-10-10 02:22:00"

}

## **5.9. Synoptic List Chilldren Of Station**

* Header

Token = YOUR\_TOKEN

Method =synopticChilldrenOfStation

* Row Contents Json

## **5.10. Synoptic List Chilldren Of Station By Part**

* Header

Token = YOUR\_TOKEN

Method =synopticChilldrenOfStationByPart

* Row Contents Json

{

    "part":"North"

}

# **6. My Object Read File**

## **6.1. Rain Gauge**

{

Time: '12-May-21 12:00:00',

raintips: '10453.000',

rainfall: '0.000',

ext\_batt: '13.631',

moisture: '0.000',

ModemSignal: ''

}

## **6.1. Hydrology**

{

Time: '12-May-21 11:00:00',

raintips: '815764.000',

rainfall: '0.000',

waterlevel: 'E6',

watertemperature: 'E6',

ext\_batt: '13.760',

moisture: '0.000',

ModemSignal: ''

}

## **6.3. CLIMATE AND SYNOPTIC**

{

Time: '12-May-21 11:00:00',

avgwindspeed: '2.150',

avgwinddirection: '208.000',

windgust: '4.230',

windstatus: '0.000',

airtemperature: '23.000',

relativehumidty: '94.100',

airpressure: '888.500',

dewpoint: '22.100',

MetPakstatus: '0.000',

netradiation: '126.400',

raintips: '12642.000',

rainfall: '0.000',

ext\_batt: '13.610',

moisture: '0.000',

ModemSignal: ''

}

# **6. Report**

* API = localhost/forecasting/api/report.api.php

## **6.1. Report Synoptic By Any Station And Time**

* Header

Token = YOUR\_TOKEN

Method =reportSynopticByAnyStationAndTime

* Row Contents Json

{

    "station\_id":"1,2,3",

    "startTime": "2019-10-10 02:22:00",

    "endTime": "2021-10-10 02:22:00"

}

## **6.2. Report Hydrology By Any Station And Time**

* Header

Token = YOUR\_TOKEN

Method =reportHydrologyByAnyStationAndTime

* Row Contents Json

{

    "station\_id":"1,2,3,20",

    "startTime": "2019-10-10 02:22:00",

    "endTime": "2021-10-10 02:22:00"

}

## **6.3. Count Station Synoptic**

* Header

Token = YOUR\_TOKEN

Method =countStationSynoptic

* Row Contents Json

## **6.4. Count Station Hydrology**

* Header

Token = YOUR\_TOKEN

Method =countStationHydrology

* Row Contents Json

{

    "station\_id":"1,2,3",

    "startTime": "2019-10-10 02:22:00",

    "endTime": "2021-10-10 02:22:00"

}

## **6.5. Synoptic List Children Station**

* Header

Token = YOUR\_TOKEN

Method =reportSynopticChildrenStation

* Row Contents Json

{

    "station\_id":"1,2,3",

    "startTime": "2019-10-10 02:22:00",

    "endTime": "2021-10-10 02:22:00"

}

## **6.6. Hydrology List Children Station**

* Header

Token = YOUR\_TOKEN

Method =reportHydrologyChildrenStation

* Row Contents Json

{

    "station\_id":"1,2,3",

    "startTime": "2019-10-10 02:22:00",

    "endTime": "2021-10-10 02:22:00"

}

{

    "station\_id":"1,2,3",

    "startTime": "2019-10-10 02:22:00",

    "endTime": "2021-10-10 02:22:00"

}