* Forecasting

# **1. Login**

* API = localhost/forecasting/api/login.api.php
* Row Contents Json

{

    "username":"thone",

    "password":"123456"

}

# **2. Users**

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

## **2.1. Create Users**

* Header

token = YOUR\_TOKEN

m = addUser

* Row Contents Json

{

    "username":"suck",

    "password":"123456789",

    "role":"admin",

    "isActive":**true**

}

## **2.2. Update Users**

* Header

token = YOUR\_TOKEN

m = updateUser

* Row Contents Json

{

  "userid":6,

    "username":"suck",

    "password":"123456789",

    "role":"admin",

    "isActive":**true**

}

## **2.3. Delete Users**

* Header

token = YOUR\_TOKEN

m = deleteUser

* Row Contents Json

{

  "userid":6

}

## **2.4. Change Password**

* Header

token = YOUR\_TOKEN

m = changePassword

* Row Contents Json

{

    "userid":7,

    "newPassword":"7686963"

}

## **2.5. Set New Role**

* Header

token = YOUR\_TOKEN

m = setNewRole

* Row Contents Json

{

    "userid":7,

    "newRole":"users"

}

## **2.6. Set Disable And Enable User**

* Header

token = YOUR\_TOKEN

m = setDisableAndEnableUser

* Row Contents Json

{

    "userid":7,

    "isActive":true

}

## **2.7. User List All**

* Header

token = YOUR\_TOKEN

m = userListAll

## **2.8. User List Page**

* Header

token = YOUR\_TOKEN

m = userListPage

* Row Contents Json

{

    "page":1,

    "limit":10,

    "keyword":"phone2233"

}

Keyword = username, role

## **2.9. Get User**

* Header

token = YOUR\_TOKEN

m = getUser

* Row Contents Json

{

    "userid":1

}

## **2.10. Create Role Detail**

* Header

token = YOUR\_TOKEN

m = createRole

* Row Contents Json

{

    "userid": 4,

    "station\_id": 1

}

## **2.11. Delete Role Detail**

* Header

token = YOUR\_TOKEN

m = deleteRole

* Row Contents Json

{

    "userid": 4,

    "station\_id": 1

}

# **3. Station**

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

## **3.1. Create Station**

* Header

token = YOUR\_TOKEN

m = 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

m = 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

m = deleteStation

* Row Contents Json

{

   "id":3

}

## **3.4. Get Station**

* Header

token = YOUR\_TOKEN

m = getStation

* Row Contents Json

{

    "id":1

}

## **3.5. Station List All**

* Header

token = YOUR\_TOKEN

m = userListAll

## **3.6. Station List Page**

* Header

token = YOUR\_TOKEN

m = 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

m = stationListAllByUser

* Row Contents Json

{

    "userid":1

}

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

* Header

token = YOUR\_TOKEN

m = 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

m = setNewPart

* Row Contents Json

{

    "id":8,

    "part":"North"

}

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

* Header

token = YOUR\_TOKEN

m = stationListPageByPart

* Row Contents Json

{

    "part":"North",

    "page":1,

    "limit":10,

    "keyword":"0112MD000"

}

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

# **4. Hydrology**

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

## **4.1. Create Hydrology**

* Header

token = YOUR\_TOKEN

m = 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

m = hydrologyListAll

* Row Contents Json

## **4.3. Hydrology List Page**

* Header

token = YOUR\_TOKEN

m = 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

m = 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

m = hydrologyListByStation

* Row Contents Json

{

    "station\_id":3,

    "page":1,

    "limit":10

}

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

* Header

token = YOUR\_TOKEN

m = 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

}

# **5. Synoptic**

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

## **5.1. Create Synoptic**

* Header

token = YOUR\_TOKEN

m = 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

m = synopticListAll

* Row Contents Json

## **5.3. Synoptic List Page**

* Header

token = YOUR\_TOKEN

m = 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

m = 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

m = synopticListByStation

* Row Contents Json

{

    "station\_id":3,

    "page":1,

    "limit":10

}

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

* Header

token = YOUR\_TOKEN

m = 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

}

# **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: ''

}