

# Air Quality

**URL** : `/api/air-quality?latitude=[double]&longitude=[double]&timezone=Europe%2FWarsaw`

**Method** : `GET`

**Authorize** : No

**Input Data** : No

## Success

**URL** : `/api/air-quality?latitude=50&longitude=20`

**Code** : `200 OK`

**Example** :

```
{
  "airQualityIndex": 45,
  "airQualityString": "średnia"
}
```

## Error

**URL** : `/api/air-quality?latitude=350&longitude=20`

**Condition** : Incorrect latitude or longitude

**Code** : `404 Not found`

**Content** : None

# Delete Account

**URL** : `/api/delete-account/`

**Method** : `POST`

**Authorize** : Yes

**Input Data** : No

## Success

**Code** : `200 OK`

**Content** : No

# Geocode

**URL** : `/api/geocode?name=[string]`

**Method** : `GET`

**Authorize** : No

**Input Data** : No

## Success

**URL** : `/api/geocode?name=Cze`

**Code** : `200 OK`

**Example** :

```
[
  {
    "id": 3645213,
    "cityName": "Coro",
    "longitude": -69.67344,
    "latitude": 11.4045
  },
  {
    "id": 1846266,
    "cityName": "Czedzu",
    "longitude": 126.52194,
    "latitude": 33.50972
  },
  ...
]
```

## Error

**URL** : `/api/geocode?name=x`

**Condition** : Incorrect city name

**Code** : `404 Not found`

**Content** :

```
{  
  "message": "Nie znaleziono miasta o podanej nazwie: x"  
}
```

# Geocode by Id

**URL** : `/api/geocode-by-id?id=[int]`

**Method** : `GET`

**Authorize** : No

**Input Data** : No

## Success

**URL** : `/api/geocode-by-id?id=3100946`

**Code** : `200 OK`

**Example** :

```
{
  "id": 3100946,
  "cityName": "Częstochowa",
  "longitude": 19.12409,
  "latitude": 50.79646
}
```

## Error

**URL** : `/api/geocode-by-id?id=999999999`

**Condition** : Incorrect city id

**Code** : `404 Not found`

**Content** :

```
{
  "message": "Nie znaleziono miasta o podanym id: 999999999"
}
```

# Get Forecast

Gets forecast for given location. Default value for timezone is "Europe/Warsaw" Default value for model is "dwdicon"

**URL** : `/api/get-forecast?latitude=[double]&longitude=[double]&timezone=[timezone string?]&model=[dwdicon|ecmwf ?]`

**Method** : GET

**Authorize** : No

**Input Data** : No

## Success

**URL** : `/api/get-forecast?latitude=19.5&longitude=50.1&model=dwdicon`

**Code** : 200 OK

**Example** :

```
{
  "current": {
    "time": "2023-10-24T17:30:00",
    "wmoCode": 3,
    "wmoString": "Pochmurno",
    "temperature": 11.4,
    "apparentTemperature": 7.9,
    "precipitation": 0,
    "humidity": 81,
    "pressure": 1002.9,
    "windSpeed": 20.5,
    "windDirection": 267,
    "windGusts": 37.8
  },
  "forecast": [
    {
      "time": "2023-10-24T00:00:00",
      "wmoCode": 2,
      "wmoString": "Częściowe zachmurzenie",
      "temperature": 8.1,
      "apparentTemperature": 2.8,
      "precipitation": 0,
      "humidity": 81,
      "pressure": 1009.8,
```

```
        "windSpeed": 28.2,  
        "windDirection": 186,  
        "windGusts": 45.4  
    },  
    {  
        "time": "2023-10-24T01:00:00",  
        "wmoCode": 3,  
        "wmoString": "Pochmurno",  
        "temperature": 8,  
        "apparentTemperature": 2.8,  
        "precipitation": 0,  
        "humidity": 85,  
        "pressure": 1008.9,  
        "windSpeed": 28.4,  
        "windDirection": 189,  
        "windGusts": 45.4  
    },  
    ...  
]  
}
```

## Error

**Condition** : Longitude or latitude outside its bounds

**Code** : 404 Not found

**Content** :

```
{  
    "message": "Nie znaleziono prognozy dla podanej lokalizacji"  
}
```

# Get Forecast by City

Gets forecast for given city name. Default value for timezone is "Europe/Warsaw" Default value for model is "dwdicon"

**URL** : `/api/get-forecast-by-city?name=[string]&timezone=[timezone string?]&model=[dwdicon|ecmwf ?]`

**Method** : GET

**Authorize** : No

**Input Data** : No

## Success

**URL** : `/api/get-forecast-by-city?name=Czestochowa&model=dwdicon`

**Code** : 200 OK

**Example** :

```
{
  "current": {
    "time": "2023-10-24T17:30:00",
    "wmoCode": 3,
    "wmoString": "Pochmurno",
    "temperature": 11.4,
    "apparentTemperature": 7.9,
    "precipitation": 0,
    "humidity": 81,
    "pressure": 1002.9,
    "windSpeed": 20.5,
    "windDirection": 267,
    "windGusts": 37.8
  },
  "forecast": [
    {
      "time": "2023-10-24T00:00:00",
      "wmoCode": 2,
      "wmoString": "Częściowe zachmurzenie",
      "temperature": 8.1,
      "apparentTemperature": 2.8,
      "precipitation": 0,
      "humidity": 81,
      "pressure": 1009.8,
```



```
        "windSpeed": 28.2,  
        "windDirection": 186,  
        "windGusts": 45.4  
    },  
    {  
        "time": "2023-10-24T01:00:00",  
        "wmoCode": 3,  
        "wmoString": "Pochmurno",  
        "temperature": 8,  
        "apparentTemperature": 2.8,  
        "precipitation": 0,  
        "humidity": 85,  
        "pressure": 1008.9,  
        "windSpeed": 28.4,  
        "windDirection": 189,  
        "windGusts": 45.4  
    },  
    ...  
]  
}
```

## Error

**Condition** : Longitude or latitude outside its bounds or city not found

**Code** : 404 Not found

**Content** :

```
{  
    "message": "Nie znaleziono prognozy dla podanej lokalizacji"  
}
```

# Login

**URL** : /api/login/

**Method** : POST

**Authorize** : No

**Input Data** :

```
{
  "Email": "[string]",
  "Password": "[string]"
}
```

**Example** :

```
{
  "Email": "test@example.com",
  "Password": "zaq1@WSX"
}
```

# Success

**Code** : 200 OK

**Content** :

```
{
  "Token": "[token]"
}
```

**Example** :

```
{
  "Token":
  "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJodHRwOi8vc2NoZW1hcy54bWxzb2FwLm9yZy93cy8yMDA1LzA1L2lkZW50aXR5L2NsYWltcy9uYW11Ijoic3RyaW5nIiwianRpIjoibmY0ODQzYWYtNDIwMy00NWQ3LTk0MjgtNDE0YWUzNmY0MjZiIiwiaXNja3NDc0NTY0LCJpc3MiOiJodHRwOi8vbG9jYWxob3N0OjYxOTU1IiwiaXNjaHR0cDovL2xvY2FsaG9zdDo0MjAwIn0.-wV4hvEX5gltdZC3M0niLCp3BRU4Y8SWLhPF0sHmSTA"
}
```

# Error

**Condition** : Username or password are incorrect

**Code** : 401 UNAUTHORIZED

**Content** : Brak

# Register

**URL** : `/api/register/`

**Method** : `POST`

**Authorize** : No

**Input Data** :

```
{  
  "Email": "[string]",  
  "Password": "[string]"  
}
```

**Example** :

```
{  
  "Email": "test@example.com",  
  "Password": "zaq1@WSX"  
}
```

## Success

**Code** : `200 OK`

**Content** :

```
{  
  "Status": "Success",  
  "Message": "[string]"  
}
```

**Example** :

```
{  
  "Status": "Success",  
  "Message": "Użytkownik test@example.com utworzony!"  
}
```

## Error

**Condition** : If user cannot be created (e.g. already exists)

**Code** : 500 INTERNAL SERVER ERROR

**Content** :

```
{  
  "Status": "Error",  
  "Message": "Użytkownik z podanym adresem e-mail już istnieje!"  
}
```

# Change Password

**URL** : `/api/change-password`

**Method** : `POST`

**Authorize** : Yes

**Input Data** :

```
{  
  "OldPassword": "[string]",  
  "NewPassword": "[string]"  
}
```

**Example** :

```
{  
  "OldPassword": "zaq1@WSX",  
  "NewPassword": "ZAQ!2wsx"  
}
```

## Success

**URL** : `/api/change-password`

**Condition** : Correct old password and valid new password

**Input Data** :

```
{  
  "OldPassword": "zaq1@WSX",  
  "NewPassword": "ZAQ!2wsx"  
}
```

**Code** : `200 OK`

## Error

**URL** : `/api/change-password`

**Condition** : Incorrect old password

**Input Data** :

```
{  
  "OldPassword": "ZAQ!2wsx",  
  "NewPassword": "zaq1@WSX"  
}
```

**Code :** 400 Bad request

**Content :**

```
[  
  {  
    "code": "PasswordMismatch",  
    "description": "Incorrect password."  
  }  
]
```

# Change Password

**URL** : /api/get-favourite-locations

**Method** : GET

**Authorize** : Yes

**Input Data** : No

## Success

**URL** : /api/get-favourite-locations

**Condition** : Valid data

**Example result** :

```
[
  {
    "id": 9,
    "name": "Warszawa",
    "latitude": 52.22977,
    "longitude": 21.01178
  },
  {
    "id": 10,
    "name": "Częstochowa",
    "latitude": 50.49646,
    "longitude": 19.62409
  }
]
```

**Code** : 200 OK

## Error

**URL** : /api/get-favourite-locations

**Condition** : Probably some error with token

**Code** : 400 Bad request



# Change Password

**URL** : /api/add-update-favourite-location

**Method** : POST

**Authorize** : Yes

**Input Data** :

```
{
  "Id": "[number]",
  "Name": "[string]",
  "Latitude": "[double]",
  "Longitude": "[double]"
}
```

**Example** :

```
{
  "Id": 0,
  "Name": "Warszawa",
  "Latitude": 52.22977,
  "Longitude": 21.01178
}
```

## Success

**URL** : /api/add-update-favourite-location

**Condition** : Valid data

**Input Data** :

```
{
  "Id": 0,
  "Name": "Warszawa",
  "Latitude": 52.22977,
  "Longitude": 21.01178
}
```

**Code** : 200 OK

# Error

**URL** : `/api/add-update-favourite-location`

**Condition** : Incorrect id when updating

**Input Data** :

```
{  
  "Id": 43506,  
  "Name": "Warszawa",  
  "Latitude": 52.22977,  
  "Longitude": 21.01178  
}
```

**Code** : `400 Bad request`

# Change Password

**URL** : `/api/delete-favourite-location`

**Method** : `POST`

**Authorize** : Yes

**Input Data** :

```
{
  "Id": "[number]",
  "Name": "[string?]",
  "Latitude": "[double?]",
  "Longitude": "[double?]"
}
```

**Example** :

```
{
  "Id": 2
}
```

## Success

**URL** : `/api/delete-favourite-location`

**Condition** : Valid data

**Input Data** :

```
{
  "Id": 2
}
```

**Code** : `200 OK`

## Error

**URL** : `/api/delete-favourite-location`

**Condition** : Incorrect id

**Input Data** :

```
{  
  "Id": 43506  
}
```

**Code :** 400 Bad request