

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

URL : `/api/get-forecast?latitude=[double]&longitude=[double]&timezone=[timezone string?]`

Method : `GET`

Authorize : No

Input Data : No

Success

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

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

URL : `/api/get-forecast-by-city?city=[string]&timezone=[timezone string?]`

Method : GET

Authorize : No

Input Data : No

Success

URL : `/api/get-forecast-by-city?city=Czestochowa`

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.eyJodHRwOi8vc2NoZW1hcy54bWxzbnIzFwLm9y"
}
```

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