

WeatherAPI Document

1. Methods and Request/Response Templates:

1.1. Login

"path": /login
"method": "POST"

Request Template:

```
"body":  
{  
  "username": "",  
  "password": ""  
}
```

Success Response Template:

HTTP Status Code: 200

```
{  
  "token": "{}"  
}
```

Error Response Template:

HTTP Status Code: 401

```
{  
  "Error Message": "Check username and password!"  
}
```

1.2. Create User

- Only admin users can create users.
- Authentication type is the api key and it's the token from the login method.
- Only one user can be created per request.

"path": /user
"method": "POST"

Request Template:

```
"header":  
{  
  "username": "",  
  "password": ""  
}  
"body":  
{  
  "username": "",  
  "password": ""  
}
```

Success Response Template:

HTTP Status Code: 201

```
{  
  "response": "User created!",  
  "user_info": {}  
}
```

```

    }
Error Response Template:
HTTP Status Code: 400
    {
        "Error Message": {exception}
    }
HTTP Status Code: 409
    {
        "Error Message": "Problem occurred while trying to add a new
        user! Try again!"
    }

```

1.3. Update User Info

- Only admin users can update user info.
- Authentication type is the api key and it's the token from the login method.
- Only one field can be changed per request.

```

"path": /user/<user_id>
"method": "POST", "PUT"

```

Request Template:

```

"header":
    {
        "username": "",
        "password": ""
    }
"body":
    {
        "username": ""
    }
    or
    {
        "password": ""
    }
    or
    {
        "role": ""
    }

```

Success Response Template:

```

HTTP Status Code: 201
    {
        "response": "User created!",
        "user_info": {}
    }

```

Error Response Template:

```

HTTP Status Code: 400
    {
        "Error Message": "Only one field can be changed!"
    }

```

```
}
HTTP Status Code: 409
{
    "Error Message": "Problem occurred while trying to update user
    info! Try again!"
}
```

1.4. Delete User

- Only admin users can delete user.
- Authentication type is the api key and it's the token from the login method.
- Only one user can be deleted per request.

"path": /user/<user_id>
"method": "DELETE"

Request Template:

```
"header":
{
    "username": "",
    "password": ""
}
```

Success Response Template:

```
HTTP Status Code: 200
{
    "response": "User deleted!"
}
```

Error Response Template:

```
HTTP Status Code: 409
{
    "Error Message": "Problem occurred while trying to delete the
    user! Try again!"
}
```

1.5. Get User Info

- Only admin can get user information.
- Authentication type is the api key and it's the token from the login method.

"path": /user/<user_id>
"method": "GET"

Request Template:

```
"header":
{
    "username": "",
    "password": ""
}
```

Success Response Template:

```
HTTP Status Code: 200
{
    "username": "",
```

```

        "password": "",
        "role ": ""
    }
Error Response Template:
HTTP Status Code: 404
{
    "Error Message": "User not found!"
}

```

1.6. **Get Weather Info**

- Authentication type is the api key and it's the token from the login method.
- Not all fields in the body are necessary.

```

"path": "/weather
"method": "GET"

```

Request Template:

```

"header":
{
    "username": "",
    "password": ""
}
"body":
{
    "time": "",
    "location": "",
    "condition": "",
    "temperature": "",
    "agg": "",
    "agg_column": "",
    "start_date": "",
    "end_date": ""
}

```

Success Response Template:

HTTP Status Code: 200

```

{
    {info}
}

```

Error Response Template:

HTTP Status Code: 404

```

{
    "Error Message": "Weather info not found!"
}

```