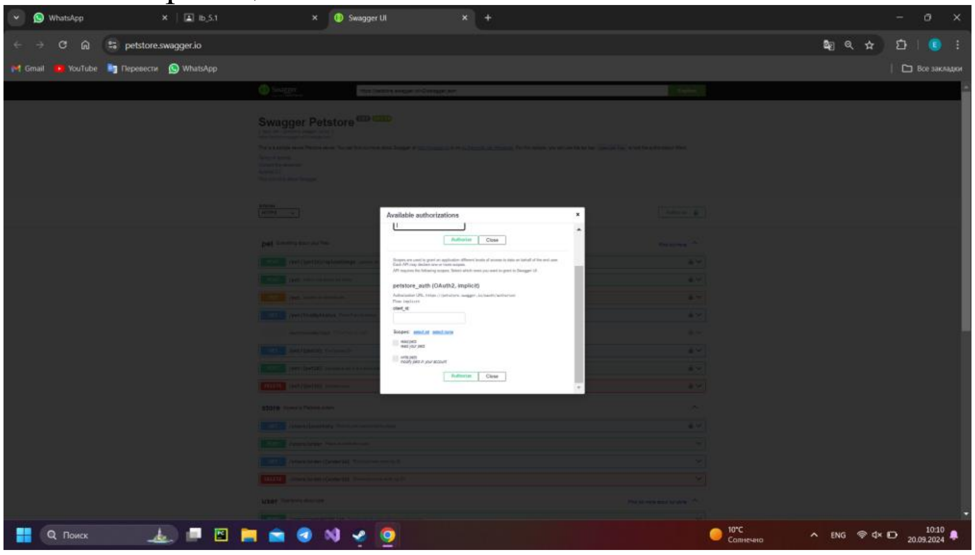
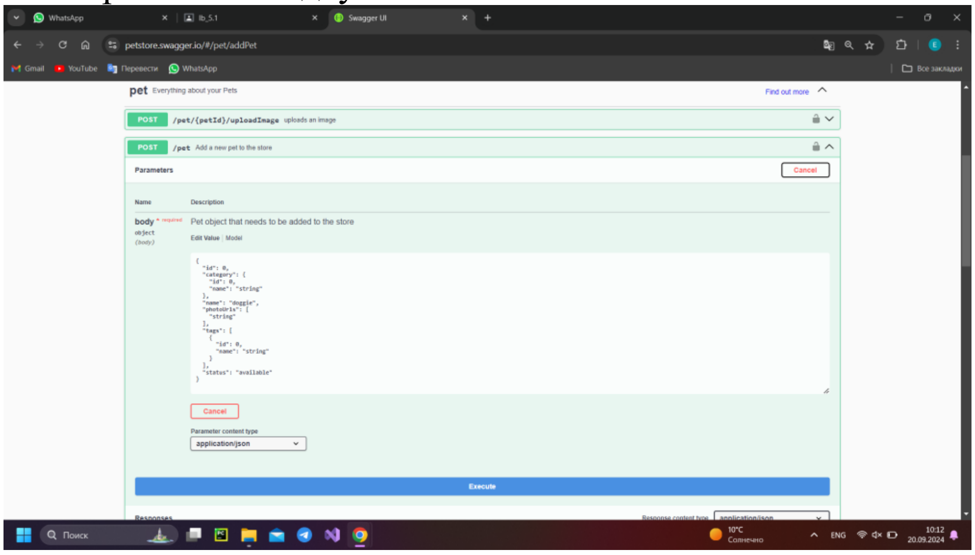
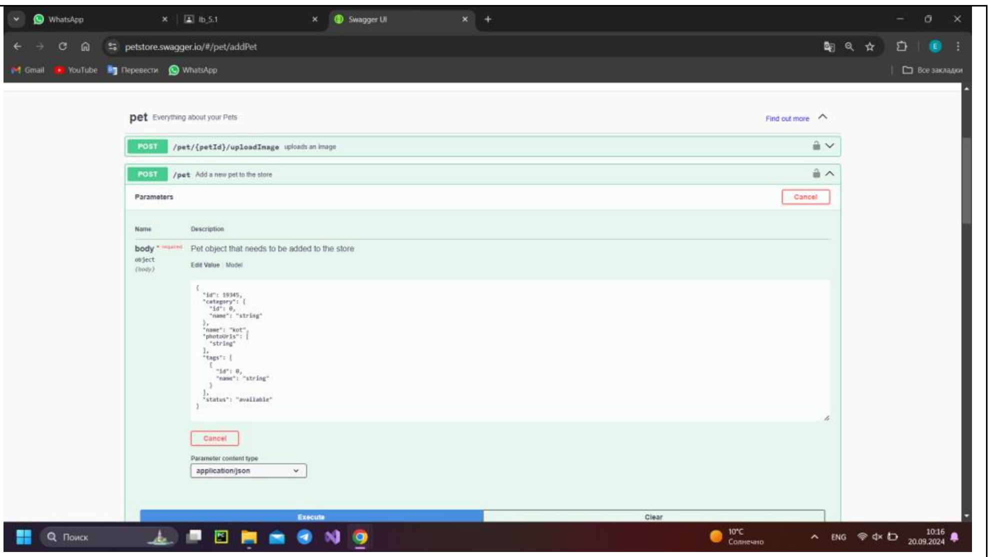
Тема Лабораторной работы	lb_5.1
Выполняющий	Бурова Екатерина ИС221
Помогающий	Глущенко Данил ИС221
Ход Работы	1. Переходим по ссылке https://petstore.swagger.io/ Окно авторизации:  Available authorizations petstore_auth (OAuth2, implicit) 2. Открываем вкладку Pet  petstore.swagger.io/#/pet/addPet pet Everything about your Pets POST /pet/{petId}/uploadImage uploads an image POST /pet Add a new pet to the store Parameters Name: body * required, object (body) Description: Pet object that needs to be added to the store Parameter content type: application/json 3. Нажимаем try it out для редактирования и добавляем нового питомца (kot с id 19345) и нажимаем execute

```
{
  "id": 0,
  "category": {
    "id": 0,
    "name": "string"
  },
  "name": "doggie",
  "photoUrls": [
    "string"
  ],
  "tags": [
    {
      "id": 0,
      "name": "string"
    }
  ],
  "status": "available"
}
```

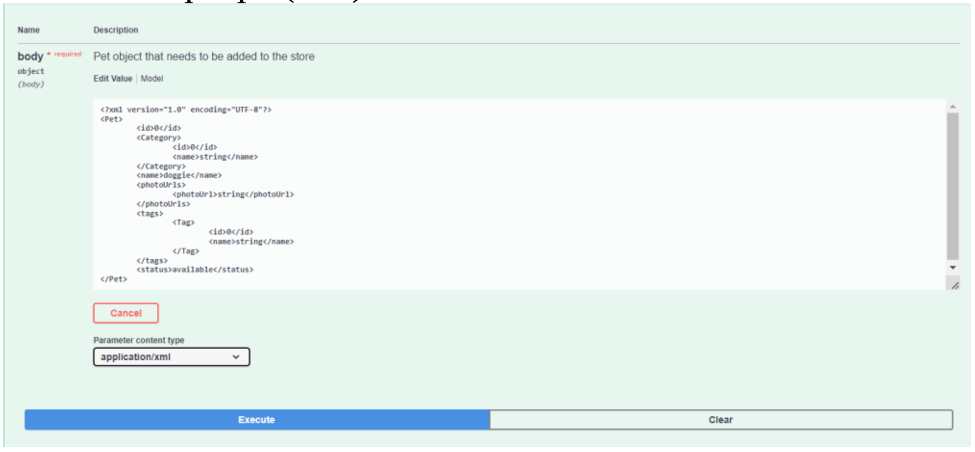


Pet object that needs to be added to the store

```
{
  "id": 19345,
  "category": {
    "id": 0,
    "name": "string"
  },
  "name": "kot",
  "photoUrls": [
    "string"
  ],
  "tags": [
    {
      "id": 0,
      "name": "string"
    }
  ],
  "status": "available"
}
```

Parameter content type: application/json

Ответ от сервера (xml):

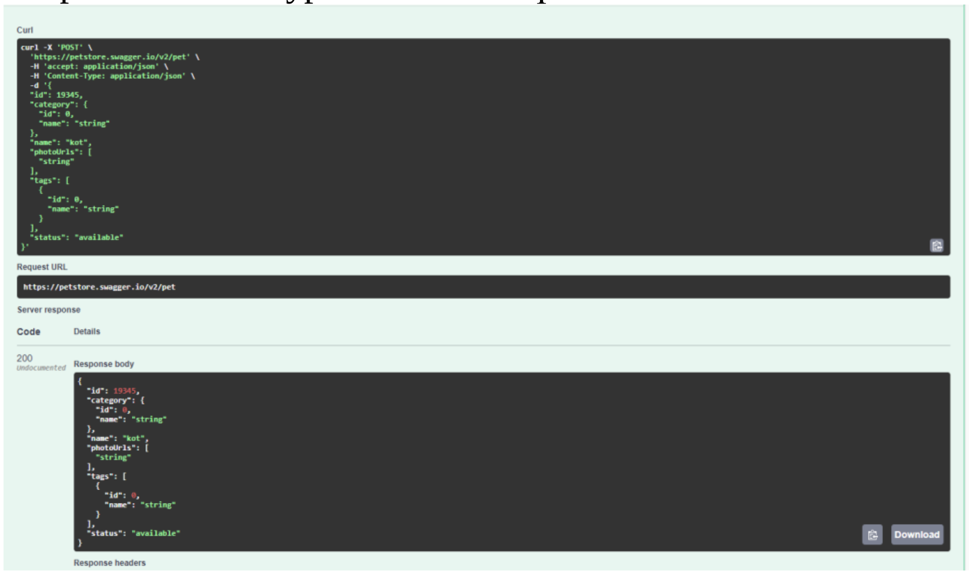


Pet object that needs to be added to the store

```
<?xml version="1.0" encoding="UTF-8"?>
<Pet>
	<id>0</id>
	<Category>
		<id>0</id>
		<name>string</name>
	</Category>
	<name>doggie</name>
	<photoUrls>
		<photoUrl>string</photoUrl>
	</photoUrls>
	<tags>
		<Tag>
			<id>0</id>
			<name>string</name>
		</Tag>
	</tags>
	<status>available</status>
</Pet>
```

Parameter content type: application/xml

Response content type – Json и отправленный curl



Curl

```
curl -X 'POST' \
  'https://petstore.swagger.io/v2/pet' \
  -H 'accept: application/json' \
  -H 'Content-Type: application/json' \
  -d '{
  "id": 19345,
  "category": {
    "id": 0,
    "name": "string"
  },
  "name": "kot",
  "photoUrls": [
    "string"
  ],
  "tags": [
    {
      "id": 0,
      "name": "string"
    }
  ],
  "status": "available"
}'
```

Request URL

```
https://petstore.swagger.io/v2/pet
```

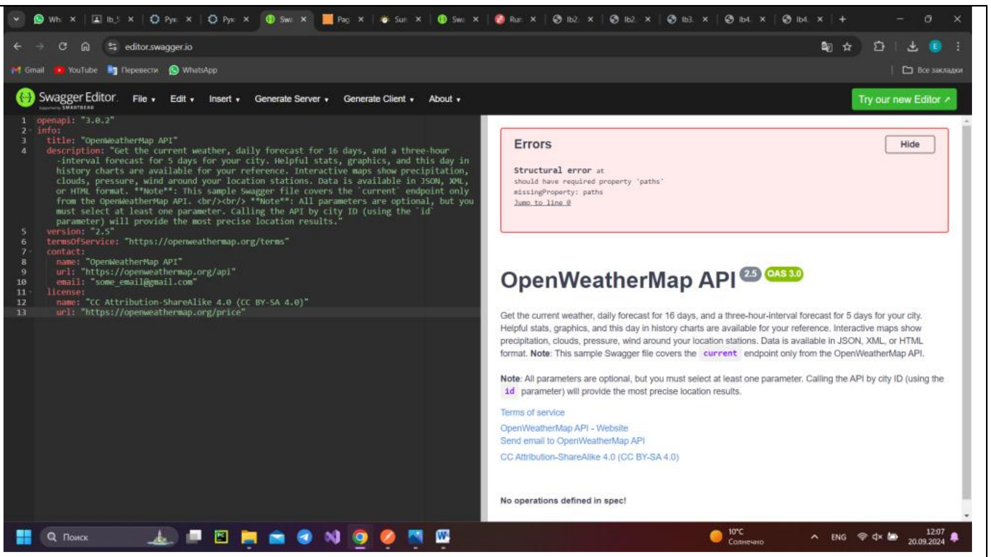
Server response

Code Details

200 *Undocumented* Response body

```
{
  "id": 19345,
  "category": {
    "id": 0,
    "name": "string"
  },
  "name": "kot",
  "photoUrls": [
    "string"
  ],
  "tags": [
    {
      "id": 0,
      "name": "string"
    }
  ],
  "status": "available"
}
```

4. Редактируем спецификацию openapi (https://editor.swagger.io/)
Замена openapi (3.0.2)



```yaml
openapi: "3.0.2"
info:
  title: "OpenWeatherMap API"
  description: "Get the current weather, daily forecast for 16 days, and a three-hour
    -interval forecast for 5 days for your city. Helpful stats, graphics, and this day in
    history charts are available for your reference. Interactive maps show precipitation,
    clouds, pressure, wind around your location stations. Data is available in JSON, XML,
    or HTML format. **Note**: This sample Swagger file covers the `current` endpoint only
    from the OpenWeatherMap API. <br/><br/> **Note**: All parameters are optional, but you
    must select at least one parameter. Calling the API by city ID (using the `id`
    parameter) will provide the most precise location results."
  version: "2.5"
  termsOfService: "https://openweathermap.org/terms"
  contact:
    name: "OpenWeatherMap API"
    url: "https://openweathermap.org/api"
    email: "some_email@gmail.com"
  license:
    name: "CC Attribution-ShareAlike 4.0 (CC BY-SA 4.0)"
    url: "https://openweathermap.org/price"
```

Errors

Structural error at
should have required property 'paths'
missingProperty: paths
Jump to line 0

OpenWeatherMap API 2.5 OAS 3.0

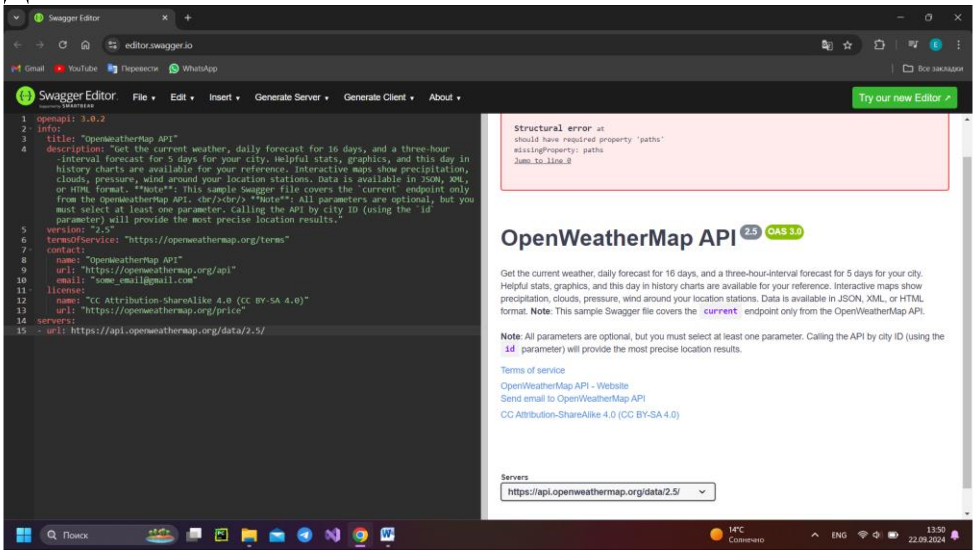
Get the current weather, daily forecast for 16 days, and a three-hour-interval forecast for 5 days for your city. Helpful stats, graphics, and this day in history charts are available for your reference. Interactive maps show precipitation, clouds, pressure, wind around your location stations. Data is available in JSON, XML, or HTML format. **Note**: This sample Swagger file covers the `current` endpoint only from the OpenWeatherMap API.

Note: All parameters are optional, but you must select at least one parameter. Calling the API by city ID (using the `id` parameter) will provide the most precise location results.

Terms of service
OpenWeatherMap API - Website
Send email to OpenWeatherMap API
CC Attribution-ShareAlike 4.0 (CC BY-SA 4.0)

No operations defined in spec!

Добавление servers



```yaml
openapi: 3.0.2
info:
  title: "OpenWeatherMap API"
  description: "Get the current weather, daily forecast for 16 days, and a three-hour
    -interval forecast for 5 days for your city. Helpful stats, graphics, and this day in
    history charts are available for your reference. Interactive maps show precipitation,
    clouds, pressure, wind around your location stations. Data is available in JSON, XML,
    or HTML format. **Note**: This sample Swagger file covers the `current` endpoint only
    from the OpenWeatherMap API. <br/><br/> **Note**: All parameters are optional, but you
    must select at least one parameter. Calling the API by city ID (using the `id`
    parameter) will provide the most precise location results."
  version: "2.5"
  termsOfService: "https://openweathermap.org/terms"
  contact:
    name: "OpenWeatherMap API"
    url: "https://openweathermap.org/api"
    email: "some_email@gmail.com"
  license:
    name: "CC Attribution-ShareAlike 4.0 (CC BY-SA 4.0)"
    url: "https://openweathermap.org/price"
servers:
- url: https://api.openweathermap.org/data/2.5/
```

Structural error at
should have required property 'paths'
missingProperty: paths
Jump to line 0

OpenWeatherMap API 2.5 OAS 3.0

Get the current weather, daily forecast for 16 days, and a three-hour-interval forecast for 5 days for your city. Helpful stats, graphics, and this day in history charts are available for your reference. Interactive maps show precipitation, clouds, pressure, wind around your location stations. Data is available in JSON, XML, or HTML format. **Note**: This sample Swagger file covers the `current` endpoint only from the OpenWeatherMap API.

Note: All parameters are optional, but you must select at least one parameter. Calling the API by city ID (using the `id` parameter) will provide the most precise location results.

Terms of service
OpenWeatherMap API - Website
Send email to OpenWeatherMap API
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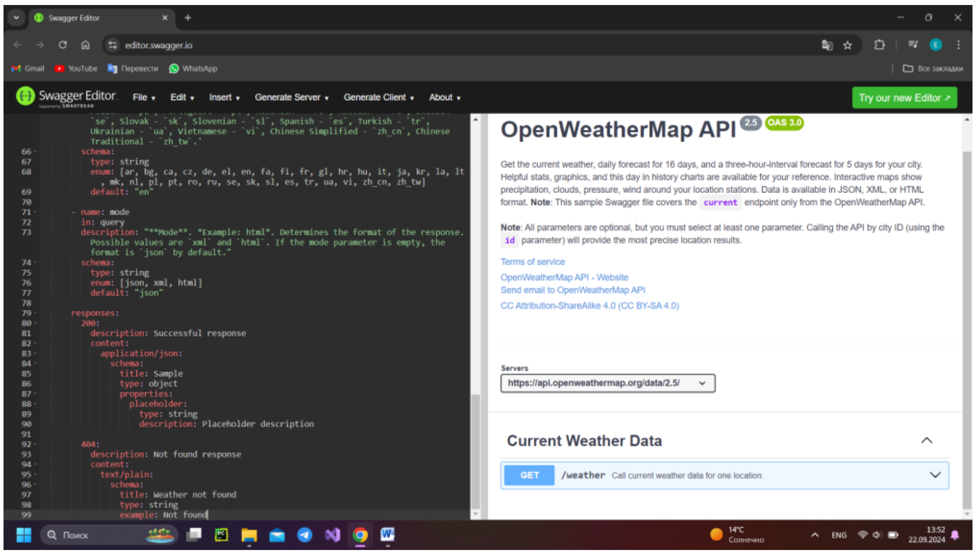
Servers
https://api.openweathermap.org/data/2.5/

Paths



```yaml
            `se`, Slovak - `sk`, Slovenian - `sl`, Spanish - `es`, Turkish - `tr`,
            Ukrainian - `ua`, Vietnamese - `vi`, Chinese Simplified - `zh_cn`, Chinese
            Traditional - `zh_tw`.'
          schema:
            type: string
            enum: [ar, bg, ca, cz, de, el, en, fa, fi, fr, gl, hr, hu, it, ja, kr, la, lt
              , mk, nl, pl, pt, ro, ru, se, sk, sl, es, tr, ua, vi, zh_cn, zh_tw]
            default: "en"

        - name: mode
          in: query
          description: "**Mode**. *Example: html*. Determines the format of the response.
            Possible values are `xml` and `html`. If the mode parameter is empty, the
            format is `json` by default."
          schema:
            type: string
            enum: [json, xml, html]
            default: "json"

        responses:
          200:
            description: Successful response
            content:
              application/json:
                schema:
                  title: Sample
                  type: object
                  properties:
                    placeholder:
                      type: string
                      description: Placeholder description

          404:
            description: Not found response
            content:
              text/plain:
                schema:
                  title: Weather not found
                  type: string
                  example: Not found
```

OpenWeatherMap API 2.5 OAS 3.0

Get the current weather, daily forecast for 16 days, and a three-hour-interval forecast for 5 days for your city. Helpful stats, graphics, and this day in history charts are available for your reference. Interactive maps show precipitation, clouds, pressure, wind around your location stations. Data is available in JSON, XML, or HTML format. **Note**: This sample Swagger file covers the `current` endpoint only from the OpenWeatherMap API.

Note: All parameters are optional, but you must select at least one parameter. Calling the API by city ID (using the `id` parameter) will provide the most precise location results.

Terms of service
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Send email to OpenWeatherMap API
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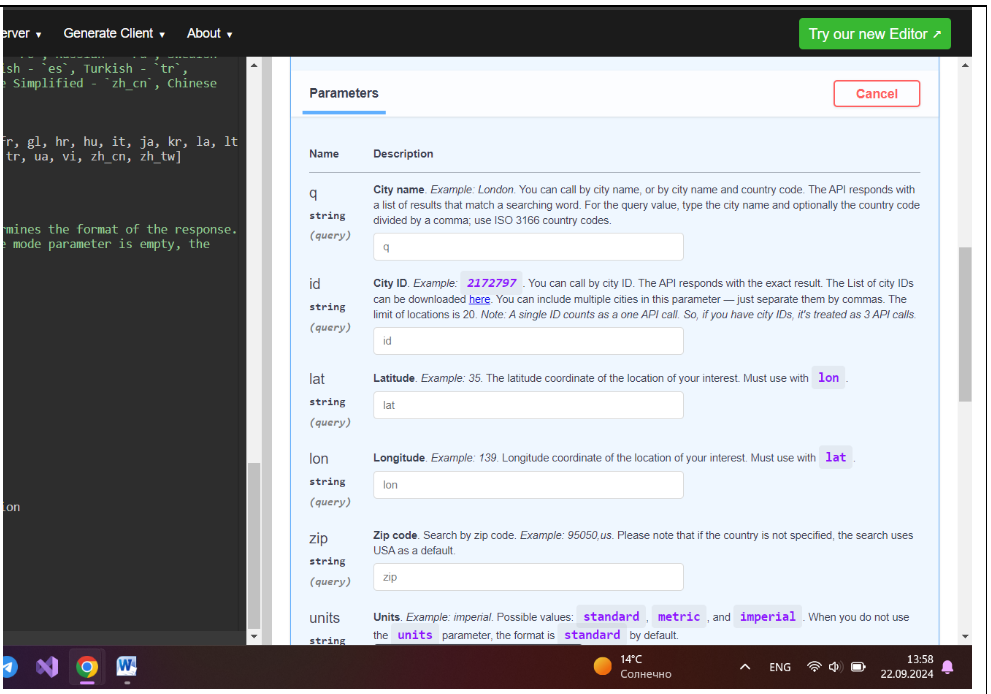
Servers
https://api.openweathermap.org/data/2.5/

Current Weather Data

GET /weather Call current weather data for one location.

Проверка редактирования (try it out)

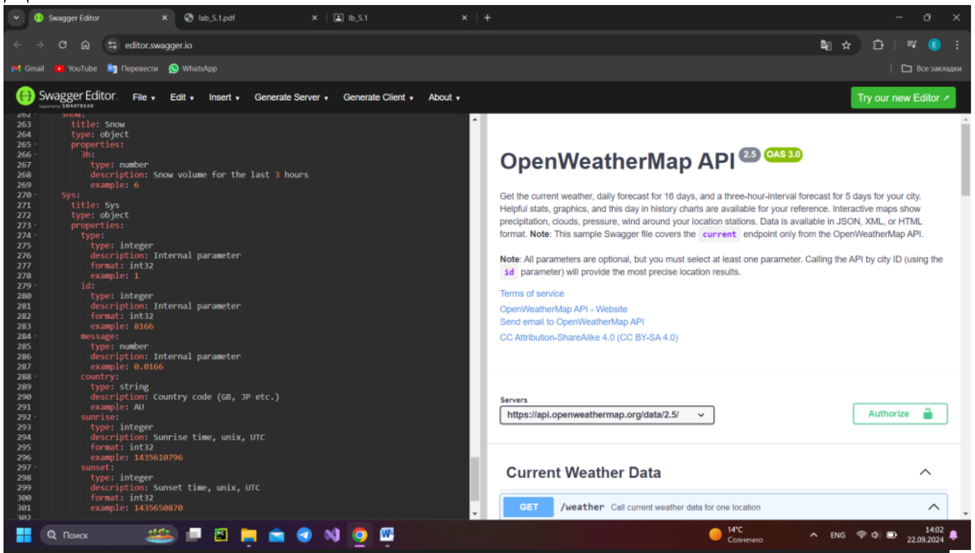


```
sh - `es`, Turkish - `tr`,
 Simplified - `zh_cn`, Chinese

r, gl, hr, hu, it, ja, kr, la, lt
tr, ua, vi, zh_cn, zh_tw]

mines the format of the response.
 mode parameter is empty, the

on
```

Parameters

Name	Description
q string (query)	**City name**. *Example: London*. You can call by city name, or by city name and country code. The API responds with a list of results that match a searching word. For the query value, type the city name and optionally the country code divided by a comma; use ISO 3166 country codes.
id string (query)	**City ID**. *Example:* `2172797`. You can call by city ID. The API responds with the exact result. The List of city IDs can be downloaded here. You can include multiple cities in this parameter — just separate them by commas. The limit of locations is 20. *Note: A single ID counts as a one API call. So, if you have city IDs, it's treated as 3 API calls.*
lat string (query)	**Latitude**. *Example: 35*. The latitude coordinate of the location of your interest. Must use with `lon`.
lon string (query)	**Longitude**. *Example: 139*. Longitude coordinate of the location of your interest. Must use with `lat`.
zip string (query)	**Zip code**. Search by zip code. *Example: 95050,us*. Please note that if the country is not specified, the search uses USA as a default.
units string	**Units**. *Example: imperial*. Possible values: `standard`, `metric`, and `imperial`. When you do not use the `units` parameter, the format is `standard` by default.

Добавление остальных объектов



```
        Snow:
          title: Snow
          type: object
          properties:
            3h:
              type: number
              description: Snow volume for the last 3 hours
              example: 6
        Sys:
          title: Sys
          type: object
          properties:
            type:
              type: integer
              description: Internal parameter
              format: int32
              example: 1
            id:
              type: integer
              description: Internal parameter
              format: int32
              example: 8166
            message:
              type: number
              description: Internal parameter
              example: 0.0166
            country:
              type: string
              description: Country code (GB, JP etc.)
              example: AU
            sunrise:
              type: integer
              description: Sunrise time, unix, UTC
              format: int32
              example: 1435610796
            sunset:
              type: integer
              description: Sunset time, unix, UTC
              format: int32
              example: 1435650870
```

OpenWeatherMap API 2.5 OAS 3.0

Get the current weather, daily forecast for 16 days, and a three-hour-interval forecast for 5 days for your city. Helpful stats, graphics, and this day in history charts are available for your reference. Interactive maps show precipitation, clouds, pressure, wind around your location stations. Data is available in JSON, XML, or HTML format. **Note**: This sample Swagger file covers the `current` endpoint only from the OpenWeatherMap API.

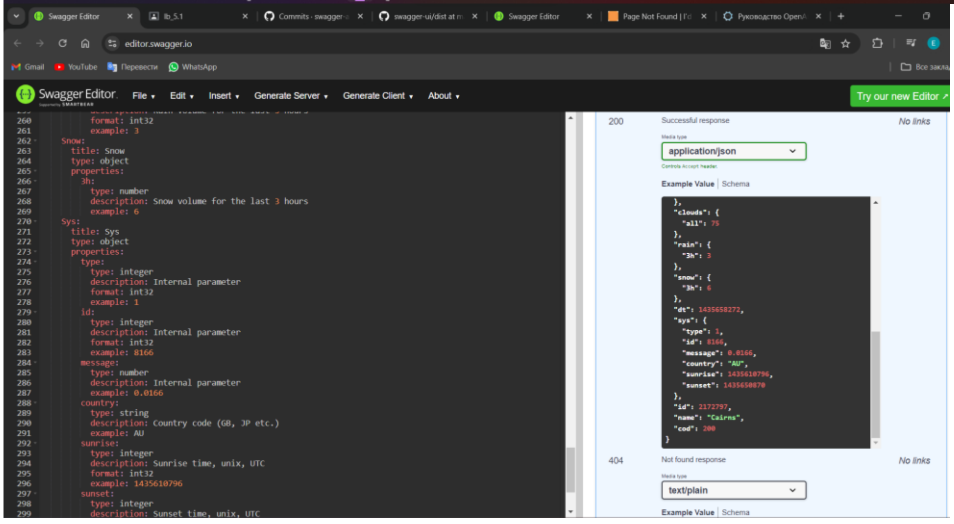
Note: All parameters are optional, but you must select at least one parameter. Calling the API by city ID (using the `id` parameter) will provide the most precise location results.

Terms of service
OpenWeatherMap API - Website
Send email to OpenWeatherMap API
CC Attribution-ShareAlike 4.0 (CC BY-SA 4.0)

Servers
https://api.openweathermap.org/data/2.5/

Current Weather Data

GET /weather Call current weather data for one location



```
              format: int32
              example: 3
        Snow:
          title: Snow
          type: object
          properties:
            3h:
              type: number
              description: Snow volume for the last 3 hours
              example: 6
        Sys:
          title: Sys
          type: object
          properties:
            type:
              type: integer
              description: Internal parameter
              format: int32
              example: 1
            id:
              type: integer
              description: Internal parameter
              format: int32
              example: 8166
            message:
              type: number
              description: Internal parameter
              example: 0.0166
            country:
              type: string
              description: Country code (GB, JP etc.)
              example: AU
            sunrise:
              type: integer
              description: Sunrise time, unix, UTC
              format: int32
              example: 1435610796
            sunset:
              type: integer
              description: Sunset time, unix, UTC
```

200 Successful response No links

Media type: application/json

Example Value | Schema

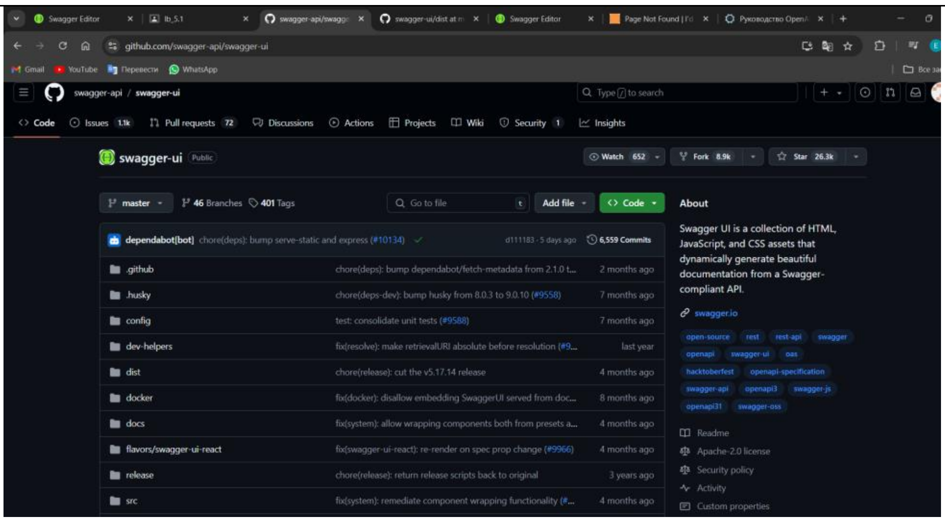
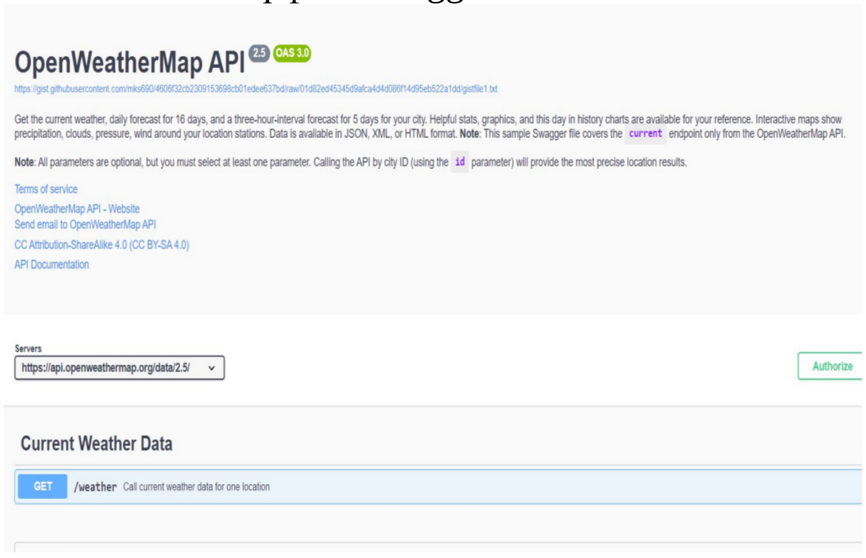
```
  },
  "clouds": {
    "all": 75
  },
  "rain": {
    "3h": 3
  },
  "snow": {
    "3h": 6
  },
  "dt": 1435658272,
  "sys": {
    "type": 1,
    "id": 8166,
    "message": 0.0166,
    "country": "AU",
    "sunrise": 1435610796,
    "sunset": 1435650870
  },
  "id": 2172797,
  "name": "Cairns",
  "cod": 200
}
```

404 Not found response No links

Media type: text/plain

Example Value | Schema

5. Интеграция спецификации openapi в swagger. Переходим по ссылке https://github.com/swagger-api/swagger-ui и выполняем все действия

	 Swagger Editor · lb_5.1 · swagger-api/swagger · swagger-ui/dist at m · Swagger Editor · Page Not Found · Руководство OpenA github.com/swagger-api/swagger-ui swagger-api / swagger-ui Code · Issues 1.1k · Pull requests 72 · Discussions · Actions · Projects · Wiki · Security 1 · Insights swagger-ui Public · Watch 652 · Fork 8.9k · Star 26.3k master · 46 Branches · 401 Tags · Go to file · Add file · Code dependabot[bot] chore(deps): bump serve-static and express (#10134) · d111183 · 5 days ago · 6,559 Commits .github · chore(deps): bump dependabot/fetch-metadata from 2.1.0 t... · 2 months ago .husky · chore(deps-dev): bump husky from 8.0.3 to 9.0.10 (#9558) · 7 months ago config · test: consolidate unit tests (#9588) · 7 months ago dev-helpers · fix(resolve): make retrievalURI absolute before resolution (#9... · last year dist · chore(release): cut the v5.17.14 release · 4 months ago docker · fix(docker): disallow embedding SwaggerUI served from doc... · 8 months ago docs · fix(system): allow wrapping components both from presets a... · 4 months ago flavors/swagger-ui-react · fix(swagger-ui-react): re-render on spec prop change (#9966) · 4 months ago release · chore(release): return release scripts back to original · 3 years ago src · fix(system): remediate component wrapping functionality (#... · 4 months ago About Swagger UI is a collection of HTML, JavaScript, and CSS assets that dynamically generate beautiful documentation from a Swagger-compliant API. swagger.io open-source · rest · rest-api · swagger · openapi · swagger-ui · oas · hacktoberfest · openapi-specification · swagger-api · openapi3 · swagger-js · openapi31 · swagger-oss Readme · Apache-2.0 license · Security policy · Activity · Custom properties Наполняем интерфейс swagger:  OpenWeatherMap API 2.5 OAS 3.0 https://gist.githubusercontent.com/mks690/4606f32cb2309153698cb01edee637bd/raw/01d82ed45345d9afca4d4d086f14d95eb522a1dd/gistfile1.txt Get the current weather, daily forecast for 16 days, and a three-hour-interval forecast for 5 days for your city. Helpful stats, graphics, and this day in history charts are available for your reference. Interactive maps show precipitation, clouds, pressure, wind around your location stations. Data is available in JSON, XML, or HTML format. **Note**: This sample Swagger file covers the `current` endpoint only from the OpenWeatherMap API. **Note**: All parameters are optional, but you must select at least one parameter. Calling the API by city ID (using the `id` parameter) will provide the most precise location results. Terms of service OpenWeatherMap API - Website Send email to OpenWeatherMap API CC Attribution-ShareAlike 4.0 (CC BY-SA 4.0) API Documentation Servers https://api.openweathermap.org/data/2.5/ Authorize Current Weather Data GET /weather Call current weather data for one location
Результат	В ходе данной работы мы научились работать с https://github.com/swagger-api/swagger-ui,редактировать спецификацию openapi

Листинг

```
openapi: 3.0.2
info:
  title: "OpenWeatherMap API"
  description: "Get the current weather, daily forecast for 16 days, and a three-hour-interval forecast for 5 days for your city. Helpful stats, graphics, and this day in history charts are available for your reference. Interactive maps show precipitation, clouds, pressure, wind around your location stations. Data is available in JSON, XML, or HTML format. **Note**: This sample Swagger file covers the `current` endpoint only from the OpenWeatherMap API. <br/><br/> **Note**: All parameters are optional, but you must select at least one parameter. Calling the API by city ID (using the `id` parameter) will provide the most precise location results."
```

```yaml
  version: "2.5"
  termsOfService: "https://openweathermap.org/terms"
  contact:
    name: "OpenWeatherMap API"
    url: "https://openweathermap.org/api"
    email: "some_email@gmail.com"
  license:
    name: "CC Attribution-ShareAlike 4.0 (CC BY-SA 4.0)"
    url: "https://openweathermap.org/price"
servers:
- url: https://api.openweathermap.org/data/2.5/
paths:
  /weather:
    get:
      tags:
      - Current Weather Data
      summary: "Call current weather data for one location"
      description: "Access current weather data for any location on Earth including
over 200,000 cities! Current weather is frequently updated based on global models
and data from more than 40,000 weather stations."
      operationId: CurrentWeatherData
      parameters:
        - $ref: '#/components/parameters/q'
        - $ref: '#/components/parameters/id'
        - $ref: '#/components/parameters/lat'
        - $ref: '#/components/parameters/lon'
        - $ref: '#/components/parameters/zip'
        - $ref: '#/components/parameters/units'
        - $ref: '#/components/parameters/lang'
        - $ref: '#/components/parameters/mode'

      responses:
        200:
          description: Successful response
          content:
            application/json:
              schema:
                $ref: '#/components/schemas/200'
        404:
          description: Not found response
          content:
            text/plain:
              schema:
                title: Weather not found
                type: string
              example: Not found

components:

  parameters:
    q:
      name: q
      in: query
      description: "**City name**. *Example: London*. You can call by city name, or by city name and country code. The API responds with a list of results that match a searching word. For the query value, type the city name and optionally the country code divided by a comma; use ISO 3166 country codes."
      schema:
        type: string
    id:
      name: id
      in: query
      description: "**City ID**. *Example: `2172797`*. You can call by city ID. The API responds with the exact result. The List of city IDs can be downloaded [here](http://bulk.openweathermap.org/sample/). You can include multiple cities in this parameter &mdash; just separate them by commas. The limit of locations is 20. *Note: A single ID counts as a one API call. So, if you have city IDs, it's treated as 3 API calls.*"
      schema:
        type: string

    lat:
      name: lat
      in: query
      description: "**Latitude**. *Example: 35*. The latitude coordinate of the location of your interest. Must use with `lon`."
      schema:
        type: string

    lon:
      name: lon
      in: query
      description: "**Longitude**. *Example: 139*. Longitude coordinate of the location of your interest. Must use with `lat`."
      schema:
        type: string

    zip:
      name: zip
      in: query
      description: "**Zip code**. Search by zip code. *Example: 95050,us*. Please
note that if the country is not specified, the search uses USA as a default."
      schema:
        type: string

    units:
      name: units
      in: query
      description: '**Units**. *Example: imperial*. Possible values: `standard`,
`metric`, and `imperial`. When you do not use the `units` parameter, the format is
`standard` by default.'
      schema:
        type: string
        enum: [standard, metric, imperial]
        default: "imperial"

    lang:
      name: lang
      in: query
      description: '**Language**. *Example: en*. You can use lang parameter to get
the output in your language. We support the following languages that you can use
with the corresponded lang values: Arabic - `ar`, Bulgarian - `bg`, Catalan - `ca`,
Czech - `cz`, German - `de`, Greek - `el`, English - `en`, Persian (Farsi) - `fa`,
Finnish - `fi`, French - `fr`, Galician - `gl`, Croatian - `hr`, Hungarian - `hu`, Italian
- `it`, Japanese - `ja`, Korean - `kr`, Latvian - `la`, Lithuanian - `lt`, Macedonian -
`mk`, Dutch - `nl`, Polish - `pl`, Portuguese - `pt`, Romanian - `ro`, Russian - `ru`,
Swedish - `se`, Slovak - `sk`, Slovenian - `sl`, Spanish - `es`, Turkish - `tr`,
Ukrainian - `ua`, Vietnamese - `vi`, Chinese Simplified - `zh_cn`, Chinese
Traditional - `zh_tw`.'
      schema:
        type: string
        enum: [ar, bg, ca, cz, de, el, en, fa, fi, fr, gl, hr, hu, it, ja, kr, la, lt, mk, nl, pl,
pt, ro, ru, se, sk, sl, es, tr, ua, vi, zh_cn, zh_tw]
        default: "en"

    mode:
      name: mode
      in: query
      description: "**Mode**. *Example: html*. Determines the format of the
response. Possible values are `xml` and `html`. If the mode parameter is empty, the
format is `json` by default."
      schema:
        type: string
        enum: [json, xml, html]
        default: "json"
```

```
schemas:
  200:
    title: Successful response
    type: object
    properties:
      coord:
        $ref: '#/components/schemas/Coord'
      weather:
        type: array
        items:
          $ref: '#/components/schemas/Weather'
        description: (more info Weather condition codes)
      base:
        type: string
        description: Internal parameter
        example: cmc stations
      main:
        $ref: '#/components/schemas/Main'
      visibility:
        type: integer
        description: Visibility, meter
        example: 16093
      wind:
        $ref: '#/components/schemas/Wind'
      clouds:
        $ref: '#/components/schemas/Clouds'
      rain:
        $ref: '#/components/schemas/Rain'
      snow:
        $ref: '#/components/schemas/Snow'
      dt:
        type: integer
        description: Time of data calculation, unix, UTC
        format: int32
        example: 1435658272
      sys:
        $ref: '#/components/schemas/Sys'
      id:
        type: integer
        description: City ID
        format: int32
        example: 2172797
      name:
        type: string
        example: Cairns
      cod:
        type: integer
        description: Internal parameter
        format: int32
        example: 200
  Coord:
    title: Coord
    type: object
    properties:
      lon:
        type: number
        description: City geo location, longitude
        example: 145.77000000000001
      lat:
        type: number
        description: City geo location, latitude
        example: -16.920000000000002
  Weather:
    title: Weather
    type: object
    properties:
      id:
        type: integer
        description: Weather condition id
        format: int32
        example: 803
      main:
        type: string
        description: Group of weather parameters (Rain, Snow, Extreme etc.)
        example: Clouds
      description:
        type: string
        description: Weather condition within the group
        example: broken clouds
      icon:
        type: string
        description: Weather icon id
        example: 04n
  Main:
    title: Main
    type: object
    properties:
      temp:
        type: number
```

```
          description: 'Temperature. Unit Default: Kelvin, Metric: Celsius, Imperial:
Fahrenheit.'
          example: 293.25
        pressure:
          type: integer
          description: Atmospheric pressure (on the sea level, if there is no sea_level
or grnd_level data), hPa
          format: int32
          example: 1019
        humidity:
          type: integer
          description: Humidity, %
          format: int32
          example: 83
        temp_min:
          type: number
          description: 'Minimum temperature at the moment. This is deviation from
current temp that is possible for large cities and megalopolises geographically
expanded (use these parameter optionally). Unit Default: Kelvin, Metric: Celsius,
Imperial: Fahrenheit.'
          example: 289.81999999999999
        temp_max:
          type: number
          description: 'Maximum temperature at the moment. This is deviation from
current temp that is possible for large cities and megalopolises geographically
expanded (use these parameter optionally). Unit Default: Kelvin, Metric: Celsius,
Imperial: Fahrenheit.'
          example: 295.37
        sea_level:
          type: number
          description: Atmospheric pressure on the sea level, hPa
          example: 984
        grnd_level:
          type: number
          description: Atmospheric pressure on the ground level, hPa
          example: 990
    Wind:
      title: Wind
      type: object
      properties:
        speed:
          type: number
          description: 'Wind speed. Unit Default: meter/sec, Metric: meter/sec,
Imperial: miles/hour.'
          example: 5.0999999999999996
    deg:
      type: integer
      description: Wind direction, degrees (meteorological)
      format: int32
      example: 150
Clouds:
  title: Clouds
  type: object
  properties:
    all:
      type: integer
      description: Cloudiness, %
      format: int32
      example: 75
Rain:
  title: Rain
  type: object
  properties:
    3h:
      type: integer
      description: Rain volume for the last 3 hours
      format: int32
      example: 3
Snow:
  title: Snow
  type: object
  properties:
    3h:
      type: number
      description: Snow volume for the last 3 hours
      example: 6
Sys:
  title: Sys
  type: object
  properties:
    type:
      type: integer
      description: Internal parameter
      format: int32
      example: 1
    id:
      type: integer
      description: Internal parameter
      format: int32
      example: 8166
```

```
        message:
          type: number
          description: Internal parameter
          example: 0.0166
        country:
          type: string
          description: Country code (GB, JP etc.)
          example: AU
        sunrise:
          type: integer
          description: Sunrise time, unix, UTC
          format: int32
          example: 1435610796
        sunset:
          type: integer
          description: Sunset time, unix, UTC
          format: int32
          example: 1435650870

  securitySchemes:
    app_id:
      type: apiKey
      description: API key to authorize requests. If you don't have an
OpenWeatherMap API key, use `fd4698c940c6d1da602a70ac34f0b147`.
      name: appid
      in: query
externalDocs:
  description: API Documentation
  url: https://openweathermap.org/api
```