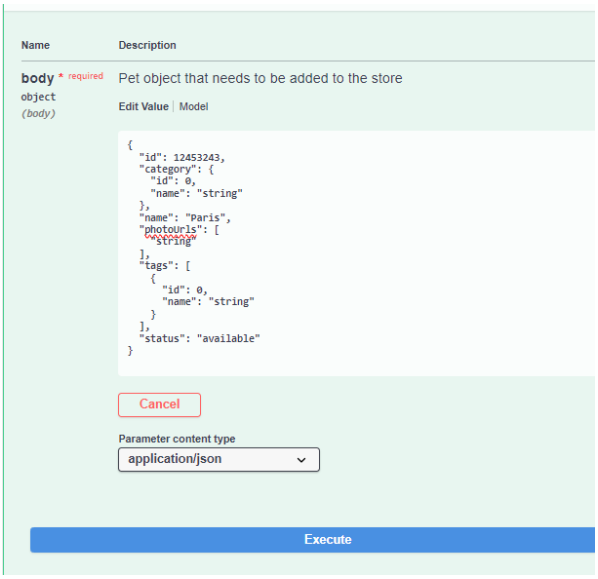
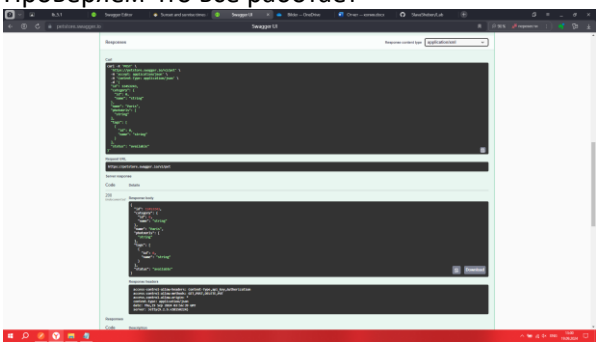
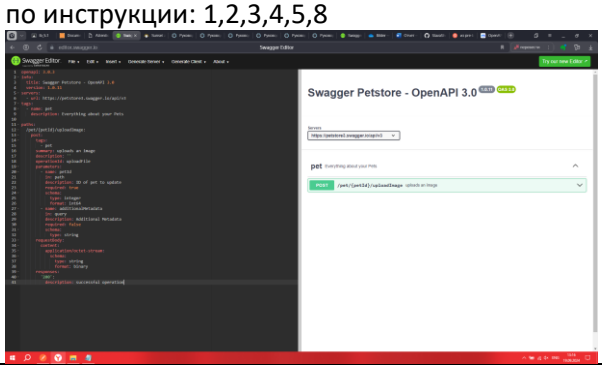
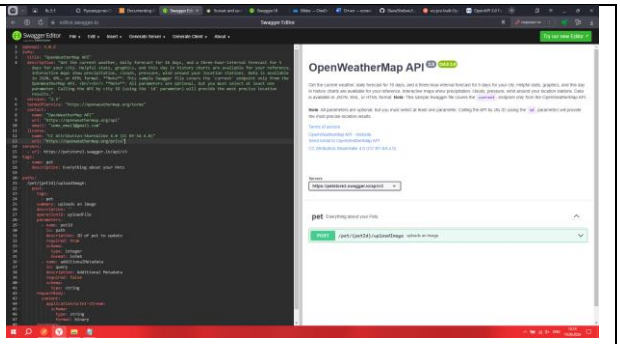
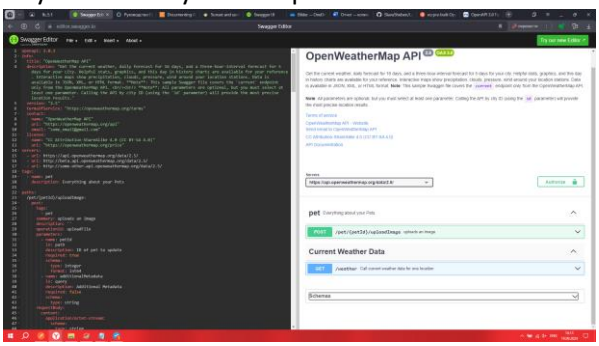
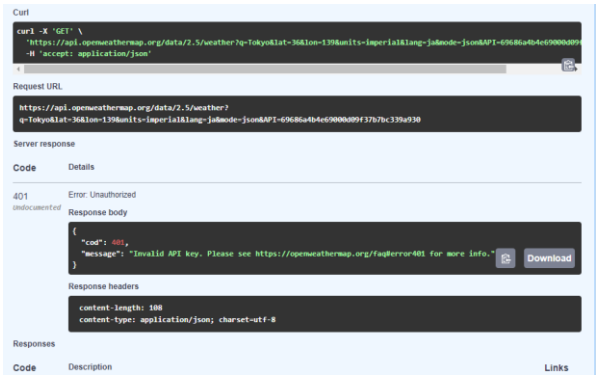
Тема лабораторной работы	lb_5.1
Выполняющий	Иванчук Вячеслав
Помогающий	-
Ход работы	Заходим на swagger io делаем питомца по базе  Проверяем что все работает  Заходим в editor и начниаем выполнять шаги по инструкции: 1,2,3,4,5,8 



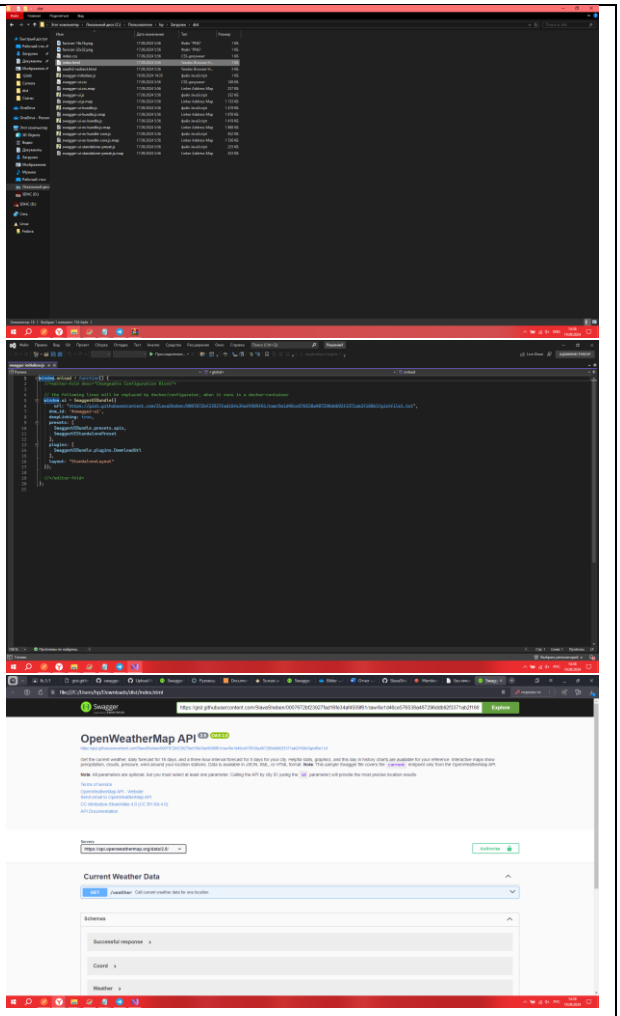
Дальше начинаем страдать
Спустя 40 минут оно заработало с 4 попытки



4 попытка, в плане с самого начала, с перезапуска сайта чтобы вернулся старый код
Оказалось что просто не выводит ошибки, ошибки с ключом остались. Я вводил и свои и чужие ключи ничего не работает



Дальше делаем файл через который сразу будем переходить к тому что сделали, аеще я в 5 раз переделал код сайта

	 Готов
Результат	Ошибка 401 “Invalid API key”

Критерий оценивания

Отлично	Четко, лаконично, по факту, гитхаб на ура
Хорошо	Небольшие корректировки
Удовлетворительно	С вопросами, и комментариями
Неудовлетворительно	Ничего непонятно

Listing 1

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.

 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: "notsayed@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/"
externalDocs:
  description: API Documentation
  url: https://openweathermap.org/api


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'
      - $ref: '#/components/parameters/appid'

    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 — 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"

appid:

name: API

in: query

description: "Write there your `API key` from OpenWeatherMap"

schema:

type: string

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 `69686a4b4e69000d09f37b7bc339a930`.
      name: appid
      in: query
```