Запрос на создание или обновления таблиц: Перечет, проба, перечетная ведомость участка, GPS.

URL: <http://127.0.0.1:8000/sampleandother>

POST:

Request: {

    "sample":

    {

        "date": "2022-10-28",

        "id\_profile": 1,

        "id\_quarter": 4,

        "id\_district\_forestly": "6",

        "id\_forestly": "5",

        "sample\_area": "0.05",

        "sample\_region": "3",

        "id\_subjectrf": "31",

        "soil\_lot": 21.78

        },

    "list\_data": [

        {

            "id":4,

            "id\_type\_of\_reproduction": 1,

            "id\_breed": "2",

            "to0\_2": 8,

            "from0\_21To0\_5": 2,

            "from0\_6To1\_0": 2,

            "from1\_1to1\_5": 6,

            "from1\_5": 9,

            "max\_height": 3

        },

        {

            "id": 6,

            "id\_type\_of\_reproduction": 1,

            "id\_breed": "3",

            "to0\_2": 5,

            "from0\_21To0\_5": 11,

            "from0\_6To1\_0": 88,

            "from1\_1to1\_5": 105,

            "from1\_5": 6,

            "max\_height": 3

        }

    ],

    "gps\_data": {

        "id": 6,

        "latitude": 51.29,

        "longitude": 68.10,

        "flag\_center": 1

    }

}

Request:

{

    "sample": {

        "id": 102,

        "date": "2022-10-28",

        "sample\_area": 0.05,

        "soil\_lot": "21.78",

        "id\_profile": 1,

        "id\_list\_region": **null**,

        "id\_quarter": 4

    },

    "list\_region": {

        "id": 14,

        "date": "2022-10-28",

        "sample\_region": "3",

        "soil\_lot": "21.78",

        "id\_quarter": 4

    },

    "list": [

        {

            "id": 105,

            "to0\_2": 8,

            "from0\_21To0\_5": 2,

            "from0\_6To1\_0": 2,

            "from1\_1to1\_5": 6,

            "from1\_5": 9,

            "max\_height": 3,

            "id\_sample": 102,

            "id\_breed": 2,

            "id\_type\_of\_reproduction": 1

        },

        {

            "id": 106,

            "to0\_2": 5,

            "from0\_21To0\_5": 11,

            "from0\_6To1\_0": 88,

            "from1\_1to1\_5": 105,

            "from1\_5": 6,

            "max\_height": 3,

            "id\_sample": 102,

            "id\_breed": 3,

            "id\_type\_of\_reproduction": 1

        }

    ],

    "gps": {

        "id": 70,

        "latitude": 51.29,

        "longitude": 68.1,

        "flag\_center": 1,

        "id\_sample": 102

    }

}

UPDATE: Request:

{

    "sample":

    {

        "date": "2022-10-28",

        "id": 90,

        "id\_profile": 1,

        "id\_quarter": 4,

        "id\_district\_forestly": "6",

        "id\_forestly": "5",

        "sample\_area": "0.05",

        "sample\_region": "3",

        "id\_subjectrf": "31",

        "soil\_lot": 21.78,

        "id\_list\_region": 5

        },

    "list\_data": [

        {

            "id":4,

            "id\_sample": "90",

            "id\_type\_of\_reproduction": 1,

            "id\_breed": "2",

            "to0\_2": 8,

            "from0\_21To0\_5": 2,

            "from0\_6To1\_0": 2,

            "from1\_1to1\_5": 6,

            "from1\_5": 9,

            "max\_height": 3

        },

        {

            "id": 6,

            "id\_sample": "90",

            "id\_type\_of\_reproduction": 1,

            "id\_breed": "3",

            "to0\_2": 5,

            "from0\_21To0\_5": 11,

            "from0\_6To1\_0": 88,

            "from1\_1to1\_5": 105,

            "from1\_5": 6,

            "max\_height": 3

        }

    ],

    "gps\_data": {

        "id": 6,

        "latitude": 51.29,

        "longitude": 68.10,

        "flag\_center": 1,

        "id\_sample": "90"

    }

}

Response:

{

    "sample": {

        "id": 90,

        "date": "2022-10-18",

        "sample\_area": 0.05,

        "soil\_lot": "21.78",

        "id\_profile": 1,

        "id\_list\_region": 5,

        "id\_quarter": 4

    },

    "list\_region": {

        "id": 5,

        "date": "2022-10-28",

        "sample\_region": "12,6га",

        "soil\_lot": "21.78",

        "id\_quarter": 4

    },

    "list": {

        "id": 6,

        "to0\_2": 5,

        "from0\_21To0\_5": 11,

        "from0\_6To1\_0": 88,

        "from1\_1to1\_5": 105,

        "from1\_5": 6,

        "max\_height": 3,

        "id\_sample": 90,

        "id\_breed": 3,

        "id\_type\_of\_reproduction": 1

    },

    "gps": {

        "id": 6,

        "latitude": 51.29,

        "longitude": 68.1,

        "flag\_center": 1,

        "id\_sample": 90

    }

}

GET запрос возвращающий id+наименование таблиц: Участковое лесничество, лесничество, субъект РФ, квартал.

URL: http://127.0.0.1:8000/allforest

Request: GET

Response:

{

    "district\_forestly": [

        {

            "id": 6,

            "name\_district\_forestly": "Четдинское"

        },

        {

            "id": 7,

            "name\_district\_forestly": "Пупи"

        }

    ],

    "forestly": [

        {

            "id": 1,

            "name\_forestly": "Фокинское"

        },

        {

            "id": 4,

            "name\_forestly": "Трубчевское"

        },

        {

            "id": 5,

            "name\_forestly": "Локчимское"

        },

        {

            "id": 6,

            "name\_forestly": "абуба"

        }

    ],

    "subjectrf": [

        {

            "id": 16,

            "name\_subject\_RF": "Новосибирская область"

        },

        {

            "id": 17,

            "name\_subject\_RF": "Ростовская область"

        },

        {

            "id": 21,

            "name\_subject\_RF": "Белгородская область"

        },

        {

            "id": 22,

            "name\_subject\_RF": "Ленинградская область"

        },

        {

            "id": 23,

            "name\_subject\_RF": "Курская область"

        },

        {

            "id": 24,

            "name\_subject\_RF": "Орловская область"

        },

        {

            "id": 27,

            "name\_subject\_RF": "Московская область"

        },

        {

            "id": 31,

            "name\_subject\_RF": "Брянская область"

        }

    ],

    "quarter": [

        {

            "id": 4,

            "quarter\_name": "78"

        },

        {

            "id": 5,

            "quarter\_name": "111"

        },

        {

            "id": 6,

            "quarter\_name": "123"

        }

    ]

}

Запрос возвращающий перечет и должности.

URL: http://127.0.0.1:8000/getlistdata/<int:pk>

Request: GET

Response:

{

    "list\_data": [

        {

            "id": 7,

            "breed": "2",

            "id\_sample": "1",

            "id\_type\_of\_reproduction": "2",

            "to0\_2": 0,

            "from0\_21To0\_5": 3,

            "from0\_6To1\_0": 0,

            "from1\_1to1\_5": 1,

            "from1\_5": 3,

            "max\_height": 5

        },

        {

            "id": 8,

            "breed": "2",

            "id\_sample": "1",

            "id\_type\_of\_reproduction": "2",

            "to0\_2": 0,

            "from0\_21To0\_5": 0,

            "from0\_6To1\_0": 1,

            "from1\_1to1\_5": 7,

            "from1\_5": 2,

            "max\_height": 5

        }

    ],

    "post\_data": [

        {

            "id": 1,

            "FIO": "Иванов Павел Петрович"

        }

    ],

    "gps\_data": []

}

Запрос, возвращающий таблицу Перечет, а так же: участковое лесничество, лесничество, субъект РФ, квартал.

URL: <http://127.0.0.1:8000/getsampledata/1>

Request: GET

Response:

{

    "Sample\_data": [

        {

            "id": 1,

            "id\_list\_region": 3,

            "id\_quarter": "5",

            "id\_district\_forestly": "6",

            "id\_forestly": "5",

            "id\_subjectrf": "31",

            "date": "2022-12-04",

            "sample\_area": 0.02,

            "id\_profile": "1",

            "profile": "Иванов Павел Петрович",

            "soil\_lot": "0"

        }

    ]

}

Запрос, возвращающий все записи в Перечет, а так же связанные: участковое лесничество, лесничество, субъект РФ, квартал.

Request: GET

Response:

{

    "data": [

        {

            "id": 1,

            "id\_list\_region": "3",

            "id\_quarter": "5",

            "id\_district\_forestly": "6",

            "id\_forestly": "5",

            "id\_subjectrf": "31",

            "date": "2022-12-04",

            "sample\_area": 0.02,

            "id\_profile": "1",

            "profile": "Иванов Павел Петрович",

            "soil\_lot": "0"

        },

        {

            "id": 2,

            "id\_list\_region": "4",

            "id\_quarter": "4",

            "id\_district\_forestly": "6",

            "id\_forestly": "5",

            "id\_subjectrf": "31",

            "date": "2022-10-18",

            "sample\_area": 0.02,

            "id\_profile": "1",

            "profile": "Иванов Павел Петрович",

            "soil\_lot": "0"

        }

Запрос, возвращающий все лесничества связанные с субъектом РФ.

URL: [http://127.0.0.1:8000/getforestlybysubjectid/<int:pk](http://127.0.0.1:8000/getforestlybysubjectid/%3cint:pk)>

Request: GET

Response:

{

    "data": [

        {

            "id": 1,

            "name\_forestly": "Фокинское"

        }

    ]

}

Запрос, возвращающий все участковые лесничества связанные с лесничеством.

URL:  [http://127.0.0.1:8000/getdistrictbyforestly/<int:pk](%20http://127.0.0.1:8000/getdistrictbyforestly/%3cint:pk)>

Request: GET

Response:

{

    "data": [

        {

            "id": 6,

            "name\_district\_forestly": "Четдинское"

        }

    ]

}

Запрос, возвращающий все кварталы связанные с участковым лесничеством.

URL:  [http://127.0.0.1:8000/getquarterbydistrictid/int:pk](%20http://127.0.0.1:8000/getdistrictbyforestly/%3cint:pk)>

Request: GET

Response:

{

    "data": [

        {

            "id": 4,

            "quarter\_name": "78"

        }

    ]

}

Запрос, возвращающий все субъекты РФ/добавляющий субъекты РФ.

URL: <http://127.0.0.1:8000/subjectRF>

Request: GET

Response:

{

    "get": [

        {

            "id": 16,

            "name\_subject\_RF": "Новосибирская область"

        },

        {

            "id": 17,

            "name\_subject\_RF": "Ростовская область"

        },

        {

            "id": 21,

            "name\_subject\_RF": "Белгородская область"

        },

        {

            "id": 22,

            "name\_subject\_RF": "Ленинградская область"

        },

URL: <http://127.0.0.1:8000/subjectRF>

Request: POST

Response:

{

    "post": {

        "id": 38,

        "name\_subject\_RF": "Чеченская республика"

    }

}

URL: <http://127.0.0.1:8000/subjectRF>/<int:pk>

Request: PUT

Response:

{

    "put": {

        "id": 38,

        "name\_subject\_RF": "Чеченская republic"

    }

}

Запрос, возвращающий все профили/добавляющий профиль.

URL: http://127.0.0.1:8000/profile  
Request: GET

Response:

{

    "get": [

        {

            "id": 1,

            "FIO": "Иванов Павел Петрович",

            "phoneNumber": "88005553535",

            "email": "aaaa@mail.ru",

            "id\_post": 1,

            "id\_working\_breeds": 1,

            "id\_role": 1,

            "id\_branches": 1

        }

    ]

}

Request: POST

Body: {

            "FIO": "Чин Чопа",

            "phoneNumber": "88005436535",

            "email": "bbba@mail.ru",

            "id\_post": 1,

            "id\_working\_breeds": 1,

            "id\_role": 1,

            "id\_branches": 1

}

Response:

{

    "post": {

        "id": 2,

        "FIO": "Чин Чопа",

        "phoneNumber": "88005436535",

        "email": "bbba@mail.ru",

        "id\_post": 1,

        "id\_working\_breeds": 1,

        "id\_role": 1,

        "id\_branches": 1

    }

}

Request: PUT

Body:

{

            "id": 2,

            "FIO": "Чин Чопа Чопик",

            "phoneNumber": "88005436535",

            "email": "bbba@mail.ru",

            "id\_post": 1,

            "id\_working\_breeds": 1,

            "id\_role": 1,

            "id\_branches": 1

}

Response:

{

    "put": {

        "id": 2,

        "FIO": "Чин Чопа Чопик",

        "phoneNumber": "88005436535",

        "email": "bbba@mail.ru",

        "id\_post": 1,

        "id\_working\_breeds": 1,

        "id\_role": 1,

        "id\_branches": 1

    }

}

Запрос, на возврат/добавление/обновление перечета.

URL: <http://127.0.0.1:8000/list>

Request: GET

Response:

{

    "get": [

        {

            "id": 4,

            "to0\_2": 8,

            "from0\_21To0\_5": 2,

            "from0\_6To1\_0": 2,

            "from1\_1to1\_5": 6,

            "from1\_5": 9,

            "max\_height": 3,

            "id\_sample": 90,

            "id\_breed": 2,

            "id\_type\_of\_reproduction": 1

        },

Request: POST

Body:

 {

            "to0\_2": 9,

            "from0\_21To0\_5": 3,

            "from0\_6To1\_0": 3,

            "from1\_1to1\_5": 5,

            "from1\_5": 3,

            "max\_height": 3,

            "id\_sample": 90,

            "id\_breed": 2,

            "id\_type\_of\_reproduction": 2

}

Response:

{

    "post": {

        "id": 107,

        "to0\_2": 9,

        "from0\_21To0\_5": 3,

        "from0\_6To1\_0": 3,

        "from1\_1to1\_5": 5,

        "from1\_5": 3,

        "max\_height": 3,

        "id\_sample": 90,

        "id\_breed": 2,

        "id\_type\_of\_reproduction": 2

    }

}

Request: PUT

Body:

        {

            "id": 4,

            "to0\_2": 11,

            "from0\_21To0\_5": 22,

            "from0\_6To1\_0": 23,

            "from1\_1to1\_5": 65,

            "from1\_5": 91,

            "max\_height": 3,

            "id\_sample": 90,

            "id\_breed": 2,

            "id\_type\_of\_reproduction": 2

        }

Response:

{

    "put": {

        "id": 4,

        "to0\_2": 11,

        "from0\_21To0\_5": 22,

        "from0\_6To1\_0": 23,

        "from1\_1to1\_5": 65,

        "from1\_5": 91,

        "max\_height": 3,

        "id\_sample": 90,

        "id\_breed": 2,

        "id\_type\_of\_reproduction": 2

    }

}

GET/POST/UPDATE запрос возвращающий GPS.

URL: <http://127.0.0.1:8000/gps>

Request: GET

Response:

      {

            "id": 62,

            "latitude": 51.68,

            "longitude": 68.54,

            "flag\_center": 1,

            "id\_sample": 93

        },

Request: POST

Body:

      {

            "latitude": 21.28,

            "longitude": 18.54,

            "flag\_center": 1,

            "id\_sample": 90

        }

Response:

{

    "post": {

        "id": 71,

        "latitude": 21.28,

        "longitude": 18.54,

        "flag\_center": 1,

        "id\_sample": 90

    }

}

Request: PUT

Body:

{

        "id": 71,

        "latitude": 91.28,

        "longitude": 38.54,

        "flag\_center": 1,

        "id\_sample": 93

}

Response:

{

    "put": {

        "id": 71,

        "latitude": 91.28,

        "longitude": 38.54,

        "flag\_center": 1,

        "id\_sample": 93

    }

}

GET/POST/UPDATE запрос на «Перечетную ведомость участка»

URL: <http://127.0.0.1:8000/listregion>

Request: GET

Response:

[

    {

        "id": 3,

        "date": "2022-12-04",

        "sample\_region": "9,6га",

        "soil\_lot": "21,24",

        "id\_quarter": 4

    },

Request: POST

Body:     {

        "date": "2022-12-04",

        "sample\_region": "9,1га",

        "soil\_lot": "21,08",

        "id\_quarter": 4

    }

Response:

{

    "post": {

        "id": 15,

        "date": "2022-12-04",

        "sample\_region": "9,1га",

        "soil\_lot": "21,08",

        "id\_quarter": 4

    }

}

Request: PUT

Body:

{

        "id": 14,

        "date": "2022-12-03",

        "sample\_region": "9,111111га",

        "soil\_lot": "81,08",

        "id\_quarter": 4

    }

Response:

{

    "put": {

        "id": 14,

        "date": "2022-12-03",

        "sample\_region": "3",

        "soil\_lot": "81,08",

        "id\_quarter": 4

    }

}

GET/POST/UPDATE для пробы.

URL: <http://127.0.0.1:8000/sample>

Request: GET

Response:

    "get": [

        {

            "id": 1,

            "date": "2022-12-04",

            "sample\_area": 0.02,

            "soil\_lot": "0",

            "id\_profile": 1,

            "id\_list\_region": 3,

            "id\_quarter": 5

        }

Request: POST

Body: {

            "date": "2022-12-04",

            "sample\_area": 0.02,

            "soil\_lot": "0",

            "id\_profile": 1,

            "id\_list\_region": 3,

            "id\_quarter": 5

        }

Response:

{

    "post": {

        "id": 103,

        "date": "2022-12-04",

        "sample\_area": 0.02,

        "soil\_lot": "0",

        "id\_profile": 1,

        "id\_list\_region": 3,

        "id\_quarter": 5

    }

}

Request: PUT

Body:

{

        "id": 103,

        "date": "2022-12-05",

        "sample\_area": 0.02,

        "soil\_lot": "0",

        "id\_profile": 2,

        "id\_list\_region": 3,

        "id\_quarter": 5

    }

Response:

{

    "put": {

        "id": 103,

        "date": "2022-12-04",

        "sample\_area": 0.02,

        "soil\_lot": "0",

        "id\_profile": 2,

        "id\_list\_region": 3,

        "id\_quarter": 5

    }

}

GET/POST/UPDATE для должностей.

URL: http://127.0.0.1:8000/post

Request:GET

Response:

"get": [

        {

            "id": 1,

            "post\_name": "[aspf[h'cb"

        }

Request: POST

Body: {

            "post\_name": ")))))))"

}

Response:

{

    "post": {

        "id": 8,

        "post\_name": ")))))))"

    }

}

Request: PUT

Body:

{

        "id": 8,

        "post\_name": "(((((((((((((((((("

}

Response:

{

    "put": {

        "id": 8,

        "post\_name": "(((((((((((((((((("

    }

}

GET/POST/UPDATE для рабочих пород.

URL: <http://127.0.0.1:8000/workingbreed>

Request: GET

Response:

{

    "get": [

        {

            "id": 1,

            "name\_breeds": "Сосна"

        }

    ]

}

Request: POST:

Body:

        {

            "name\_breeds": "Дуб"

        }

Response:

{

    "post": {

        "id": 2,

        "name\_breeds": "Дуб"

    }

}

Request: PUT

Body:

        {

            "id":2,

            "name\_breeds": "Ель"

        }

Response:

{

    "put": {

        "id": 2,

        "name\_breeds": "Ель"

    }

}

GET/POST/UPDATE для ролей.

URL: <http://127.0.0.1:8000/role>

Request: GET

Response:

{

    "get": [

        {

            "id": 1,

            "name\_role": "asdF"

        }

Request: POST

Body:

        {

            "name\_role": "ЯЧСZXC"

        }

Response:

{

    "post": {

        "id": 5,

        "name\_role": "ЯЧСZXC"

    }

}

Request: PUT

Body:

{

        "id": 5,

    "name\_role": "ASDAGDFSHZXCCZXCBSD"

}

Response:

{

    "put": {

        "id": 5,

        "name\_role": "ASDAGDFSHZXCCZXCBSD"

    }

}

GET/POST/UPDATE для типов репродукции.

URL: <http://127.0.0.1:8000/reproduction>

Request:GET

Response:

{

    "get": [

        {

            "id": 1,

            "name\_reproduction": "Искусственное восстановление"

        },

        {

            "id": 2,

            "name\_reproduction": "Естественное восстановление(семенное)"

        },

        {

            "id": 3,

            "name\_reproduction": "Естественное восстановление (вегетативное)"

        }

    ]

}

GET/POST/UPDATE для лесничеств.

URL: <http://127.0.0.1:8000/forestly>

Request: GET

Response:

{

    "get": [

        {

            "id": 1,

            "name\_forestly": "Фокинское",

            "id\_subject\_rf": 16

        },

Request: POST

Body:

{

            "name\_forestly": "Пупиченское",

            "id\_subject\_rf": 16

        }

Response:

{

    "post": {

        "id": 7,

        "name\_forestly": "Пупиченское",

        "id\_subject\_rf": 16

    }

}

Request: PUT

Body:

{

        "id": 7,

        "name\_forestly": "Балдежное",

        "id\_subject\_rf": 16

    }

Response:

{

    "put": {

        "id": 7,

        "name\_forestly": "Балдежное",

        "id\_subject\_rf": 16

    }

}

GET/POST/UPDATE для участковых лесничеств.

URL: http://127.0.0.1:8000/districtforestly

Request: GET

Response:

{

    "get": [

        {

            "id": 6,

            "name\_district\_forestly": "Четдинское",

            "id\_forestly": 5

        },

        {

            "id": 7,

            "name\_district\_forestly": "Пупи",

            "id\_forestly": 6

        }

    ]

}

Request: POST

Body:

{

            "name\_district\_forestly": "Великославянское",

            "id\_forestly": 5

}

Response:

{

    "post": {

        "id": 8,

        "name\_district\_forestly": "Великославянское",

        "id\_forestly": 5

    }

}

Request: PUT

Body:

{

        "id": 8,

        "name\_district\_forestly": "Айдигидай",

        "id\_forestly": 5

    }

Response:

{

    "put": {

        "id": 8,

        "name\_district\_forestly": "Айдигидай",

        "id\_forestly": 5

    }

}

GET/POST/UPDATE для пород.

URL: <http://127.0.0.1:8000/breed>

Request: GET

Response:

{

    "get": [

        {

            "id": 1,

            "name\_breed": "Сосна"

        },

Request: POST

Body:

{

            "name\_breed": "Липа"

        }

Response:

{

    "post": {

        "id": 5,

        "name\_breed": "Липа"

    }

}

Request: PUT

Body:

{

        "id": 5,

        "name\_breed": "Липулька"

    }

Response:

{

    "put": {

        "id": 5,

        "name\_breed": "Липулька"

    }

}

GET/POST/UPDATE для филиалов.

URL: <http://127.0.0.1:8000/branches>

Request: GET

Response: {

    "get": [

        {

            "id": 1,

            "name\_branch": "dfghjnxl"

        },

Request: POST

Body: {

            "name\_branch": "tyuiop[gbhnjmk,kl"

        }

Response:

{

    "post": {

        "id": 4,

        "name\_branch": "tyuiop[gbhnjmk,kl"

    }

}

Request: PUT

Body:

{

        "id": 4,

        "name\_branch": "mncb,mzxcb.,mxnvx.,bvn.,mb,n][pqer"

    }

Response:

{

    "put": {

        "id": 4,

        "name\_branch": "mncb,mzxcb.,mxnvx.,bvn.,mb,n][pqer"

    }

}

GET/POST/UPDATE для квартала.

URL: <http://127.0.0.1:8000/quarter>

Request: GET

Response:

"get": [

        {

            "id": 4,

            "quarter\_name": "78",

            "id\_district\_forestly": 6

        },

Request: POST

Body: {

            "quarter\_name": "78",

            "id\_district\_forestly": 9

        }

Response:

{

    "post": {

        "id": 7,

        "quarter\_name": "78",

        "id\_district\_forestly": 9

    }

}

Request: PUT

Body:

{

        "id": 7,

        "quarter\_name": "78",

        "id\_district\_forestly": 7

    }

Response:

{

    "put": {

        "id": 7,

        "quarter\_name": "78",

        "id\_district\_forestly": 7

    }

}