

Mediscreen



Patient-service

Name: get patient by patient id

URL: /patient/{patientId}

Method: GET

URL Parameters: patientId (patient id)

Data Parameters: none

Response (Success):

```
{
  "patientId": 1,
  "firstName": "Lucas",
  "lastName": "Ferguson",
  "dob": "1968-06-22",
  "gender": "Male",
  "age": "55",
  "address": "2 Warren Street",
  "phoneNumber": "387-866-1399"
}
```

Response (Failure):

```
{
  "statusCode": 404,
  "message": "Patient with ID 34 not found."
}
```

Sample Call: GET <http://localhost:8071/patient/2>

Notes: This endpoint handles the GET request to get patient specified by their ID. The patient identifier is specified in the URL. The response returns a Patient object.

Name: create patient

URL: /patient/add

Method: POST

URL Parameters: none

Data Parameters: Body (Object Patient)

```
{  
  "firstName": "Riley",  
  "lastName": "Tomas",  
  "dob": "1989-10-21",  
  "gender": "Male",  
  "address": "2632 Wright Court",  
  "phoneNumber": "654-134-854"  
}
```

Response (Success):

```
{  
  "patientId": 20,  
  "firstName": "Riley",  
  "lastName": "Tomas",  
  "dob": "1989-10-21",  
  "gender": "Male",  
  "address": "2632 Wright Court",  
  "phoneNumber": "654-134-854"  
}
```

Response (Failure):

```
{
  "timestamp": "2023-08-11T04:07:48.004+00:00",
  "status": 400,
  "error": "Bad Request",
  "message": "Validation failed for object='patient'. Error count: 1",
  "errors": [
    {
      "codes": [
        "NotBlank.patient.lastName",
        "NotBlank.lastName",
        "NotBlank.java.lang.String",
        "NotBlank"
      ],
      "arguments": [
        {
          "codes": [
            "patient.lastName",
            "lastName"
          ],
          "arguments": null,
          "defaultMessage": "lastName",
          "code": "lastName"
        }
      ],
      "defaultMessage": "Patient last name is required",
      "objectName": "patient",
      "field": "lastName",
      "rejectedValue": "",
      "bindingFailure": false,
      "code": "NotBlank"
    }
  ],
  "path": "/patient/add"
}
```

Sample Call: POST http://localhost:8071 /patient/add
- data raw

```
{
  "firstName": "Ron",
  "lastName": "",
  "dob": "1989-10-21",
  "gender": "Male",
  "address": "2632 Wright Court",
  "phoneNumber": "333-333-3333"
}
```

Notes: This endpoint handles the POST request to create a new patient. The details of the creating note are specified in the body of the request.

Name: get patient list

URL: /patient/listPatients

Method: GET

URL Parameters: none

Data Parameters: none

Response (Success):

```
[
  {
    "patientId": 1,
    "firstName": "Lucas",
    "lastName": "Ferguson",
    "dob": "1968-06-22",
    "gender": "Male",
    "age": "55",
    "address": "2 Warren Street",
    "phoneNumber": "387-866-1399"
  },
  {
    "patientId": 2,
    "firstName": "Pippa",
    "lastName": "Rees",
    "dob": "1945-09-27",
    "gender": "Female",
    "age": "77",
    "address": "745 West Valley Farms Drive",
    "phoneNumber": "628-423-0993"
  }
]
```

Sample Call: GET <http://localhost:8071/patient/>

Notes: This endpoint handles the GET request to get list of patients specified. The patient identifier is specified in the URL. The response returns a list of Patient objects.

Name: update patient

URL: /patient/update/{id}

Method: POST

URL Parameters: id (patient id)

Data Parameters: Body (Object Patient)

```
{  
  "firstName": "Ron",  
  "lastName": "Wezlie",  
  "dob": "1989-10-21",  
  "gender": "Male",  
  "address": "2632 Wright Court",  
  "phoneNumber": "333-333-8888"  
}
```

Response (Success):

```
{  
  "patientId": 28,  
  "firstName": "Ron",  
  "lastName": "Wezlie",  
  "dob": "1989-10-21",  
  "gender": "Male",  
  "age": "33",  
  "address": "2632 Wright Court",  
  "phoneNumber": "333-333-8888"  
}
```

Response (Failure):

```
{
  "timestamp": "2023-08-11T04:53:18.032+00:00",
  "status": 400,
  "error": "Bad Request",
  "message": "Validation failed for object='patient'. Error count: 1",
  "errors": [
    {
      "codes": [
        "NotBlank.patient.firstName",
        "NotBlank.firstName",
        "NotBlank.java.lang.String",
        "NotBlank"
      ],
      "arguments": [
        {
          "codes": [
            "patient.firstName",
            "firstName"
          ],
          "arguments": null,
          "defaultMessage": "firstName",
          "code": "firstName"
        }
      ],
      "defaultMessage": "Patient first name is required",
      "objectName": "patient",
      "field": "firstName",
      "rejectedValue": "",
      "bindingFailure": false,
      "code": "NotBlank"
    }
  ],
  "path": "/patient/update/28"
}
```

Sample Call: POST http://localhost:8071/patient/update/28

- data raw

```
{
  "firstName": "Ron",
  "lastName": "Wezlie",
  "dob": "1989-10-21",
  "gender": "Male",
  "address": "2632 Wright Court",
  "phoneNumber": "333-333-8888"
}
```

Notes: This endpoint handles the POST request to update patient by patient ID. The identifier of the patient to update is specified in the URL, and the new version of the patient is specified in the body of the request.

Name: delete patient

URL: /patient/delete/{id}

Method: GET

URL Parameters: id (note id)

Data Parameters: none

Response (Failure):

```
{
  "statusCode": 404,
  "message": "Patient with ID 35 not found."
}
```

Sample Call: GET http://localhost:8071/patient/delete/20

Notes: This endpoint handles the GET request to delete patient by patient ID. The identifier of the patient to delete is specified in the URL.

Name: get list of patients by last name

URL: /patient/list/{lastName}

Method: GET

URL Parameters: lastName

Data Parameters: none

Response (Success):

```
[
  {
    "patientId": 23,
    "firstName": "Ron",
    "lastName": "Tomas",
    "dob": "1989-10-21",
    "gender": "Male",
    "age": "33",
    "address": "2632 Wright Court",
    "phoneNumber": "654-134-854"
  },
  {
    "patientId": 24,
    "firstName": "Anna",
    "lastName": "Tomas",
    "dob": "1989-08-14",
    "gender": "Female",
    "age": "33",
    "address": "2632 Wright Court",
    "phoneNumber": "654-134-554"
  }
]
```

Response (Failure):

```
{
  "statusCode": 404,
  "message": "Patient with last name Simpson not found"
}
```

Sample Call: GET http://localhost:8071/patient/list/Tomas

Notes: This endpoint handles the GET request to get all patients by last name. The last name identifier is specified in the URL. The response returns a list of Patient objects.

Name: get a paginated patient list

URL: /patient/list

Method: GET

URL Parameters: none

Data Parameters: none

Response (Success):

```
{
  "content": [
    {
      "patientId": 1,
      "firstName": "Lucas",
      "lastName": "Ferguson",
      "dob": "1968-06-22",
      "gender": "Male",
      "age": "55",
      "address": "2 Warren Street",
      "phoneNumber": "387-866-1399"
    },
    {
      "patientId": 2,
      "firstName": "Pippa",
      "lastName": "Rees",
      "dob": "1945-09-27",
      "gender": "Female",
      "age": "77",
      "address": "745 West Valley Farms Drive",
      "phoneNumber": "628-423-0993"
    },
    {
      "patientId": 3,
      "firstName": "Edward",
      "lastName": "Arnold",
      "dob": "1952-11-11",
      "gender": "Male",
      "age": "70",
      "address": "599 East Garden Ave",
      "phoneNumber": "123-727-2779"
    },
    {
      "patientId": 5,
      "firstName": "Wendy",
      "lastName": "Ince",
      "dob": "1958-06-29",
```

```

        "gender": "Female",
        "age": "65",
        "address": "4 Southampton Road",
        "phoneNumber": "802-911-9975"
    },
    {
        "patientId": 6,
        "firstName": "Tracey",
        "lastName": "Ross",
        "dob": "1949-12-07",
        "gender": "Female",
        "age": "73",
        "address": "40 Sulphur Springs Dr",
        "phoneNumber": "131-396-5049"
    }
],
"pageable": {
    "sort": {
        "empty": true,
        "sorted": false,
        "unsorted": true
    },
    "offset": 0,
    "pageSize": 20,
    "pageNumber": 0,
    "paged": true,
    "unpaged": false
},
"last": false,
"totalElements": 5,
"totalPages": 2,
"size": 20,
"number": 0,
"sort": {
    "empty": true,
    "sorted": false,
    "unsorted": true
},
"first": true,
"numberOfElements": 5,
"empty": false
}

```

Sample Call: GET <http://localhost:8071/patient/>

Notes: This endpoint handles the GET request to get list of patients specified. The patient identifier is specified in the URL. The response returns a list of Patient objects.