

# Patient Data Processor API v1.0 OAS3

/patient-data-processor/v3/api-docs

Swagger UI For Patient Data Processor

Servers

http://localhost:8083/patient-data-processor - Generated server url

Authorize

## patient-controller

**GET** /api/v1.0/patient/contactNumber/{contactNumber} Retrieve Patient's Details

**PUT** /api/v1.0/patient/contactNumber/{contactNumber} Save Patient's Medical Record Details

**DELETE** /api/v1.0/patient/contactNumber/{contactNumber} Delete Patient's Details

**POST** /api/v1.0/patient/registerPatient Patient Registration

**GET** /api/v1.0/patient Retrieve All Patients' Details

Activate Windows  
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## jwt-authentication-controller

**POST** /authenticate Generate Jwt Token

## results-controller

**POST** /api/v1.0/results/saveResults Save Patient's Result Details

**GET** /api/v1.0/results/contactNumber/{contactNumber} Retrieve Patient's Results

**DELETE** /api/v1.0/results/contactNumber/{contactNumber} Delete Patient's Results

**DELETE** /api/v1.0/results/id/{id} Delete Patient's Result Details

## report-controller

**POST** /api/v1.0/report/saveReport Save Patient's Report Details

**GET** /api/v1.0/report/contactNumber/{contactNumber} Retrieve Patient's Report

**DELETE** /api/v1.0/report/contactNumber/{contactNumber} Delete Patient's Report Details

**DELETE** /api/v1.0/report/id/{id} Delete Patient's Report Details

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## doctor-controller

**POST** /api/v1.0/doctor/doctorRegistration Doctor Registration

**GET** /api/v1.0/doctor Retrieve All Doctors' Details

**GET** /api/v1.0/doctor/emailId/{emailId} Retrieve Doctor Details

## user-role-controller

**GET** /api/v1.0/userrole/getUserByEmailId/{userName} Retrieve ROLE

Schemas

Patient >

jwt-authentication-controller

POST /authenticate Generate Jwt Token

Generate Jwt Token by accessing the credentials from the data base.

Parameters

No parameters

Cancel

Reset

Request body required

application/json

```
{  "username": "drchandhrakalasidagam@gmail.com",  "password": "ABCabc@123"}
```

Execute

Clear

Curl

```
curl -X 'POST' \  'http://localhost:8083/patient-data-processor/authenticate' \  -H 'accept: */*' \  -H 'Content-Type: application/json' \  -d '{  "username": "drchandhrakalasidagam@gmail.com",  "password": "ABCabc@123"  }'
```

Request URL

http://localhost:8083/patient-data-processor/authenticate

Server response

Code	Details
200	<div><div>Response body</div><div><pre>{  "token": "eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJkcmlNoYW5kaHJha2FsYXNpZGFnYW1AZ21haHwY29tIiwiaXNjaXNpbnRlbnQ6ImNDE0Mzc5LCJpYXQiOiJlZ2NzAz0TYzNz19.YSw1CuMPHjQGVhIwCBcc-kCSBe9ntgCTP6AeW42-TyLPE18it4hNbxboyEsgJ4hxKhW4RuquZW0aks2MQ0x1TA"</pre></div><div>Download</div></div> <div><div>Response headers</div><div><pre>cache-control: no-cache,no-store,max-age=0,must-revalidate  connection: keep-alive  content-type: application/json  date: Wed,07 Dec 2022 06:59:39 GMT  expires: 0  keep-alive: timeout=60  pragma: no-cache  transfer-encoding: chunked  vary: Origin,Access-Control-Request-Method,Access-Control-Request-Headers  x-content-type-options: nosniff  x-frame-options: DENY  x-xss-protection: 1; mode=block</pre></div></div>

Responses

Code	Description
200	OK

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Links  
No links

Servers

http://localhost:8083/patient-data-processor - G

patient-controller

GET /api/v1.0/patient/contactNumber/{contactNumber}

PUT /api/v1.0/patient/contactNumber/{contactNumber}

Available authorizations

Bearer Authentication (http, Bearer)

Value: Hw4RuqwZW0aks2MQDxITA

Authorize

Close

Servers

http://localhost:8083/patient-data-processor - G

patient-controller

GET /api/v1.0/patient/contactNumber/{contactNumber}

PUT /api/v1.0/patient/contactNumber/{contactNumber}

Available authorizations

Bearer Authentication (http, Bearer)

Authorized

Value: \*\*\*\*\*

Logout

Close

patient-controller

GET /api/v1.0/patient/contactNumber/{contactNumber} Retrieve Patient's Details

Retrieve the Patient's details from the data base by Contact Number.

Parameters

Cancel

Name	Description
contactNumber * required	
integer(\$int64)	7894561320
(path)	

Execute

Clear

Responses

Curl

curl -X 'GET' \n'http://localhost:8083/patient-data-processor/api/v1.0/patient/contactNumber/7894561320' \n-H 'accept: \*/\*' \n-H 'Authorization: Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJkcmlNoZW5kaHJha2FsYXNpZGFuYWI1Z21haWwY29tIiwiaXNjaXoxNjcwNDE0Mzc5LCJpYXQiOiJlY2NzAz0TYzNz19.YSw1CulPhj0GVHLeCk04j-KC58e9rtgCTP6AeW42-T

Request URL

http://localhost:8083/patient-data-processor/api/v1.0/patient/contactNumber/7894561320

Controls Accept header.

Example Value | Schema

{\n \"contactNumber\": 0,\n \"address\": \"string\",\n \"firstName\": \"string\",\n \"lastName\": \"string\",\n \"gender\": \"string\",\n \"dateOfBirth\": \"2022-12-07T07:00:37.674Z\",\n \"maritalStatus\": \"string\",\n \"emergencyContactNumber\": 0,\n \"email\": \"string\",\n \"bloodGroup\": \"string\",\n \"disease\": \"string\",\n \"diagnosis\": \"string\",\n \"previousDiagnosis\": \"string\",\n \"dateVisited\": \"2022-12-07T07:00:37.674Z\",\n \"treatmentStartDate\": \"2022-12-07T07:00:37.674Z\",\n \"treatmentEndDate\": \"2022-12-07T07:00:37.674Z\",\n \"prescription\": \"string\",\n \"height\": \"string\",\n \"weight\": \"string\"\n}

Activate Windows

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PUT /api/v1.0/patient/contactNumber/{contactNumber} Save Patient's Medical Record Details

```
curl -X 'GET' \
  'http://localhost:8083/patient-data-processor/api/v1.0/doctor' \
  -H 'accept: */*' \
  -H 'Authorization: Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJkcmluYXN5aHJha2F5YXNpZGFuYWIzZ21haHwvY29tIiwiaWF0IjoxNjcwNDU0MzU5LCJpYXQiOiJlZ2NzAzOTYzNz19.YSw1CuMPhjQGvHwCBcc-kCSBe9ntgCTP6AeW42-T
```

```
http://localhost:8083/patient-data-processor/api/v1.0/doctor
```

Code	Details
------	---------

```
{
  "timestamp": 1670396481580,
  "status": 403,
  "error": "Forbidden",
  "trace": "org.springframework.security.access.AccessDeniedException: Access is denied\r\n\tat org.springframework.security.access.vote.AffirmativeBased.decide(AffirmativeBased.java:73)\r\n\tat org.springframework.security.access.intercept.AbstractSecurityInterceptor.attemptAuthorization(AbstractSecurityInterceptor.java:239)\r\n\tat org.springframework.security.access.intercept.AbstractSecurityInterceptor.beforeInvocation(AbstractSecurityInterceptor.java:208)\r\n\tat org.springframework.security.access.intercept.aopalliance.MethodSecurityInterceptor.invoke(MethodSecurityInterceptor.java:58)\r\n\tat org.springframework.aop.framework.ReflectiveMethodInvocation.proceed(ReflectiveMethodInvocation.java:186)\r\n\tat org.springframework.aop.framework.CglibAopProxy$CglibMethodInvocation.proceed(CglibAopProxy.java:763)\r\n\tat org.springframework.aop.framework.CglibAopProxy$DynamicAdvisedInterceptor.intercept(CglibAopProxy.java:708)\r\n\tat com.cts.authenticationimpl.service.controller.DoctorController$$EnhancerBySpringGLIB$$5d544236.retrieveAllDoctorDetails(<generated>)\r\n\tat java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)\r\n\tat java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)\r\n\tat java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)\r\n\tat java.base/java.lang.reflect.Method.invoke(Method.java:566)\r\n\tat org.springframework.web.method.support.InvocableHandlerMethod.doInvoke(InvocableHandlerMethod.java:205)\r\n\tat org.springframework.web.method.support.InvocableHandlerMethod.invokeForRequest(InvocableHandlerMethod.java:150)\r\n\tat org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMappingHandlerAdapter.java:895)\r\n\tat org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMappingHandlerAdapter.java:808)\r\n\tat org.springframework.web.servlet.mvc.method.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter.java:87)\r\n\tat org.springframework.web.servlet.DispatcherServlet.doDispatch(DispatcherServlet.java:1067)\r\n\tat org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServlet.java:963)\r\n\tat org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:1006)\r\n\tat org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:898)\r\n\tat javax.servlet.http.HttpServlet.service(HttpServlet.java:655)\r\n\tat org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.java:883)\r\n\tat javax.servlet.http.HttpServlet.service(HttpServlet.java:764)\r\n\tat org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:227)\r\n\tat org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:162)\r\n\tat org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:53)\r\n\tat org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:189)\r\n\tat org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:162)\r\n\tat org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:111)\r\n\tat org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:189)\r\n\tat org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:162)\r\n\tat org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter(FilterChainProxy.java:327)\r\n\tat org.springframework.security.web.session.HttpSessionEventPublisher.doFilter(HttpSessionEventPublisher.java:115)\r\n\tat org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter(FilterChainProxy.java:336)\r\n\tat org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter(FilterChainProxy.java:336)"
```

```
curl -X 'GET' \
'http://localhost:8083/patient-data-processor/api/v1.0/patient/contactNumber/7894561320' \
-H 'accept: */*'`
```

```
http://localhost:8083/patient-data-processor/api/v1.0/patient/contactNumber/7894561320
```

Code	Details
------	---------

```
{
  "timestamp": 1670396524333,
  "status": 401,
  "error": "Unauthorized",
  "trace": "org.springframework.security.access.AccessDeniedException: Access is denied\r\n\tat org.springframework.security.access.vote.AffirmativeBased.decide(AffirmativeBa
sed.java:73)\r\n\tat org.springframework.security.access.intercept.AbstractSecurityInterceptor.attemptAuthorization(AbstractSecurityInterceptor.java:239)\r\n\tat org.springf
ramework.security.access.intercept.AbstractSecurityInterceptor.beforeInvocation(AbstractSecurityInterceptor.java:208)\r\n\tat org.springframework.security.access.intercept.aop
alliance.MethodSecurityInterceptor.invoke(MethodSecurityInterceptor.java:58)\r\n\tat org.springframework.aop.framework.ReflectiveMethodInvocation.proceed(ReflectiveMethodInvo
cation.java:186)\r\n\tat org.springframework.aop.framework.CglibAopProxy$CglibMethodInvocation.proceed(CglibAopProxy.java:763)\r\n\tat org.springframework.aop.framework.Cglib
AopProxy$DynamicAdvisedInterceptor.intercept(CglibAopProxy.java:708)\r\n\tat com.cts.authenticationmicroservice.controller.PatientController$$SpringGILBSS5070F6c4.
getByContactNumber<generated>()\r\n\tat java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)\r\n\tat java.base/jdk.internal.reflect.NativeMethodAcce
ssorImpl.invoke(NativeMethodAccessorImpl.java:62)\r\n\tat java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)\r\n\tat jav
a.base/java.lang.reflect.Method.invoke(Method.java:566)\r\n\tat org.springframework.web.method.support.InvocableHandlerMethod.doInvoke(InvocableHandlerMethod.java:205)\r\n\tat org.s
pringframework.web.method.support.InvocableHandlerMethod.invokeForRequest(InvocableHandlerMethod.java:150)\r\n\tat org.springframework.web.servlet.mvc.method.annotation.N
ServletInvocableHandlerMethod.invokeAndHandle(ServletInvocableHandlerMethod.java:117)\r\n\tat org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAda
pter.invokeHandlerMethod(RequestMappingHandlerAdapter.java:895)\r\n\tat org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(Requ
estMappingHandlerAdapter.java:808)\r\n\tat org.springframework.web.servlet.mvc.method.annotation.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter.java:87)\r\n\tat org.sp
ringframework.web.servlet.DispatcherServlet.doDispatch(DispatcherServlet.java:1067)\r\n\tat org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServlet.jav
a:963)\r\n\tat org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:1006)\r\n\tat org.springframework.web.servlet.FrameworkServlet.doGet(Fram
eworkServlet.java:898)\r\n\tat javax.servlet.http.HttpServlet.service(HttpServlet.java:655)\r\n\tat org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.
java:883)\r\n\tat javax.servlet.http.HttpServlet.service(HttpServlet.java:764)\r\n\tat org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChai
n.java:227)\r\n\tat org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:162)\r\n\tat org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFi
lter.java:53)\r\n\tat org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:189)\r\n\tat org.apache.catalina.core.ApplicationFilterCha
in.doFilter(ApplicationFilterChain.java:162)\r\n\tat org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:111)\r\n\tat org.apache.catalina.c
ore.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:189)\r\n\tat org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:162)
\r\n\tat org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter(FilterChainProxy.java:327)\r\n\tat org.springframework.security.web.access.inter
ceptor.SecurityInterceptor.invoke(FilterSecurityInterceptor.java:115)\r\n\tat org.springframework.security.web.access.intercept.FilterSecurityInterceptor.doFilter(FilterSecuri
tyInterceptor.java:81)\r\n\tat org.springframework.security.web.FilterChainProxy$VirtualFilterChain.doFilter(FilterChainProxy.java:336)\r\n\tat org.springframework.security.web.Fi
lterChainProxy.doFilter(FilterChainProxy.java:115)"
```

```
cache-control: no-cache,no-store,max-age=0,must-revalidate
connection: keep-alive
```

```
{
  "openapi": "3.0.1",
  "info": {
    "title": "Patient Data Processor API",
    "description": "Swagger UI For Patient Data Processor",
    "version": "v1.0"
  },
  "servers": [
    {
      "url": "http://localhost:8083/patient-data-processor",
      "description": "Generated server url"
    }
  ],
  "paths": {
    "/api/v1.0/patient/contactNumber/{contactNumber}": {
      "get": {
        "tags": [
          "patient-controller"
        ],
        "summary": "Retrieve Patient's Details",
        "description": "Retrieve the Patient's details from the data base by Contact Number.",
        "operationId": "getByContactNumber_1",
        "parameters": [
          {
            "name": "contactNumber",
            "in": "path",
            "required": true,
            "schema": {
              "type": "integer",
              "format": "int64"
            }
          }
        ]
      }
    }
  }
}
```

```

    }
  ],
  "responses": {
    "200": {
      "description": "OK",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/Patient"
          }
        }
      }
    }
  },
  "security": [
    {
      "Bearer Authentication": []
    }
  ],
  "put": {
    "tags": [
      "patient-controller"
    ],
    "summary": "Save Patient's Medical Record Details",
    "description": "Doctor will save the Patient's Medical Record details into the data base so he can retrieve at later point.",
    "operationId": "updatePatientDetails",
    "parameters": [
      {
        "name": "contactNumber",

```

```
"in": "path",
"required": true,
"schema": {
  "type": "integer",
  "format": "int64"
}
},
"requestBody": {
  "content": {
    "application/json": {
      "schema": {
        "$ref": "#/components/schemas/Patient"
      }
    }
  },
  "required": true
},
"responses": {
  "200": {
    "description": "OK",
    "content": {
      "*/*": {
        "schema": {
          "$ref": "#/components/schemas/Patient"
        }
      }
    }
  }
},
"security": [
```

```
{
  "Bearer Authentication": []
}
],
"delete": {
  "tags": [
    "patient-controller"
  ],
  "summary": "Delete Patient's Details",
  "description": "Delete the Patient's details from the data base by Contact Number.",
  "operationId": "deletePatient",
  "parameters": [
    {
      "name": "contactNumber",
      "in": "path",
      "required": true,
      "schema": {
        "type": "integer",
        "format": "int64"
      }
    }
  ],
  "responses": {
    "200": {
      "description": "OK",
      "content": {
        "*/*": {
          "schema": {
            "type": "array",
            "items": {
```



```
        "$ref": "#/components/schemas/Patient"
      }
    }
  }
},
"security": [
  {
    "Bearer Authentication": []
  }
]
}
},
"/authenticate": {
  "post": {
    "tags": [
      "jwt-authentication-controller"
    ],
    "summary": "Generate Jwt Token",
    "description": "Generate Jwt Token by accessing the credentials from the data base.",
    "operationId": "createAuthenticationToken",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/JwtRequest"
          }
        }
      }
    },
    "required": true
  }
}
```

```

},
"responses": {
  "200": {
    "description": "OK",
    "content": {
      "*/*": {
        "schema": {
          "type": "object"
        }
      }
    }
  }
}
},
"/api/v1.0/results/saveResults": {
  "post": {
    "tags": [
      "results-controller"
    ],
    "summary": "Save Patient's Result Details",
    "description": "Save Blood Test Result Details of a Patient into the data base to analyse later.",
    "operationId": "saveResults",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/Results"
          }
        }
      }
    }
  },

```

```

    "required": true
  },
  "responses": {
    "200": {
      "description": "OK",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/Results"
          }
        }
      }
    }
  },
  "security": [
    {
      "Bearer Authentication": []
    }
  ]
},
"/api/v1.0/report/saveReport": {
  "post": {
    "tags": [
      "report-controller"
    ],
    "summary": "Save Patient's Report Details",
    "description": "Save blood pressure and sugar level of a Patient's Report details into the data base to analyse later.",
    "operationId": "saveReport",
    "requestBody": {

```

```
"content": {
  "application/json": {
    "schema": {
      "$ref": "#/components/schemas/Report"
    }
  }
},
"required": true
},
"responses": {
  "200": {
    "description": "OK",
    "content": {
      "*/*": {
        "schema": {
          "$ref": "#/components/schemas/Report"
        }
      }
    }
  }
},
"security": [
  {
    "Bearer Authentication": []
  }
]
},
"/api/v1.0/patient/registerPatient": {
  "post": {
    "tags": [
```

```
    "patient-controller"
  ],
  "summary": "Patient Registration",
  "description": "Doctor will register the Patient's details into the data base so he can retrieve at later point.",
  "operationId": "registerPatient",
  "requestBody": {
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/Patient"
        }
      }
    },
    "required": true
  },
  "responses": {
    "200": {
      "description": "OK",
      "content": {
        "*/*": {
          "schema": {
            "$ref": "#/components/schemas/Patient"
          }
        }
      }
    }
  },
  "security": [
    {
      "Bearer Authentication": []
    }
  ]
}
```

```

    }
  ]
}
},
"/api/v1.0/doctor/doctorRegistration": {
  "post": {
    "tags": [
      "doctor-controller"
    ],
    "summary": "Doctor Registration",
    "description": "Admin Register the doctor details into the data base. Access by only ADMIN",
    "operationId": "doctorRegistration",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/Doctor"
          }
        }
      },
      "required": true
    },
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/Doctor"
            }
          }
        }
      }
    }
  }
}

```

```
    }
  }
},
"security": [
  {
    "Bearer Authentication": []
  }
]
},
"/api/v1.0/userrole/getUserByEmailId/{userName}": {
  "get": {
    "tags": [
      "user-role-controller"
    ],
    "summary": "Retrieve ROLE",
    "description": "Retrieve ROLE for access.",
    "operationId": "getUserByUserName",
    "parameters": [
      {
        "name": "userName",
        "in": "path",
        "required": true,
        "schema": {
          "type": "string"
        }
      }
    ],
    "responses": {
      "200": {
        "description": "OK",
```

```
"content": {
  "**/*": {
    "schema": {
      "$ref": "#/components/schemas/UserRole"
    }
  }
},
"security": [
  {
    "Bearer Authentication": []
  }
]
},
"/api/v1.0/results/contactNumber/{contactNumber}": {
  "get": {
    "tags": [
      "results-controller"
    ],
    "summary": "Retrieve Patient's Results",
    "description": "Retrieve Blood Test results of a Patient from the data base for analysis.",
    "operationId": "getByContactNumber",
    "parameters": [
      {
        "name": "contactNumber",
        "in": "path",
        "required": true,
        "schema": {
          "type": "integer",
```



```
        "format": "int64"
      }
    }
  ],
  "responses": {
    "200": {
      "description": "OK",
      "content": {
        "*/*": {
          "schema": {
            "type": "array",
            "items": {
              "$ref": "#/components/schemas/Results"
            }
          }
        }
      }
    }
  },
  "security": [
    {
      "Bearer Authentication": []
    }
  ],
  "delete": {
    "tags": [
      "results-controller"
    ],
    "summary": "Delete Patient's Results",
```

"description": "Delete All the Blood Test Results details of a Patient from the data base by Contact Number.",

"operationId": "deleteAllByContactNumber",

"parameters": [

{

"name": "contactNumber",

"in": "path",

"required": true,

"schema": {

"type": "integer",

"format": "int64"

}

}

],

"responses": {

"200": {

"description": "OK",

"content": {

"\*/\*": {

"schema": {

"type": "array",

"items": {

"\$ref": "#/components/schemas/Results"

}

}

}

}

}

},

"security": [

{

```
    "Bearer Authentication": []
  }
]
}
},
"/api/v1.0/report/contactNumber/{contactNumber}": {
  "get": {
    "tags": [
      "report-controller"
    ],
    "summary": "Retrieve Patient's Report",
    "description": "Retrieve blood pressure and sugar level of a Patient's Report details from the data base for analysis.",
    "operationId": "getAllByContactNumber",
    "parameters": [
      {
        "name": "contactNumber",
        "in": "path",
        "required": true,
        "schema": {
          "type": "integer",
          "format": "int64"
        }
      }
    ],
    "responses": {
      "200": {
        "description": "OK",
        "content": {
          "*/*": {
            "schema": {
```

```
    "type": "array",
    "items": {
      "$ref": "#/components/schemas/Report"
    }
  }
}
},
"security": [
  {
    "Bearer Authentication": []
  }
],
"delete": {
  "tags": [
    "report-controller"
  ],
  "summary": "Delete Patient's Report Details",
  "description": "Delete All the Report details of a Patient from the data base by Contact Number.",
  "operationId": "deleteAllByContactNumber_1",
  "parameters": [
    {
      "name": "contactNumber",
      "in": "path",
      "required": true,
      "schema": {
        "type": "integer",
        "format": "int64"
      }
    }
  ]
}
```

```
    }
  }
],
"responses": {
  "200": {
    "description": "OK",
    "content": {
      "*/*": {
        "schema": {
          "type": "array",
          "items": {
            "$ref": "#/components/schemas/Report"
          }
        }
      }
    }
  }
},
"security": [
  {
    "Bearer Authentication": []
  }
]
},
"/api/v1.0/patient": {
  "get": {
    "tags": [
      "patient-controller"
    ],
    "summary": "Retrieve All Patients' Details",
```

```
"description": "Retrieve all the Patients' details from the data base.",
"operationId": "getAllPatients",
"responses": {
  "200": {
    "description": "OK",
    "content": {
      "*/*": {
        "schema": {
          "type": "array",
          "items": {
            "$ref": "#/components/schemas/Patient"
          }
        }
      }
    }
  },
  "security": [
    {
      "Bearer Authentication": []
    }
  ]
},
"/api/v1.0/doctor": {
  "get": {
    "tags": [
      "doctor-controller"
    ],
    "summary": "Retrieve All Doctors' Details",
    "description": "Retrieve all the doctors' details from the data base. Access by only ADMIN",
```

```
"operationId": "retrieveAllDoctorDetails",
"responses": {
  "200": {
    "description": "OK",
    "content": {
      "*/*": {
        "schema": {
          "type": "array",
          "items": {
            "$ref": "#/components/schemas/Doctor"
          }
        }
      }
    }
  },
  "security": [
    {
      "Bearer Authentication": []
    }
  ]
},
"/api/v1.0/doctor/emailId/{emailId}": {
  "get": {
    "tags": [
      "doctor-controller"
    ],
    "summary": "Retrieve Doctor Details",
    "description": "Retrieve the doctors by giving email address from the data base",
    "operationId": "retrieveDoctorDetailsById",
```

```
"parameters": [  
  {  
    "name": "emailId",  
    "in": "path",  
    "required": true,  
    "schema": {  
      "type": "string"  
    }  
  }  
,  
  "responses": {  
    "200": {  
      "description": "OK",  
      "content": {  
        "*/*": {  
          "schema": {  
            "$ref": "#/components/schemas/Doctor"  
          }  
        }  
      }  
    }  
  },  
  "security": [  
    {  
      "Bearer Authentication": []  
    }  
  ]  
},  
"/api/v1.0/results/id/{id}": {  
  "delete": {
```



```
"tags": [  
  "results-controller"  
],  
"summary": "Delete Patient's Result Details",  
"description": "Delete the Patient's Blood Test Result details from the data base by Id.",  
"operationId": "delete",  
"parameters": [  
  {  
    "name": "id",  
    "in": "path",  
    "required": true,  
    "schema": {  
      "type": "integer",  
      "format": "int32"  
    }  
  }  
],  
"responses": {  
  "200": {  
    "description": "OK",  
    "content": {  
      "*/*": {  
        "schema": {  
          "type": "array",  
          "items": {  
            "$ref": "#/components/schemas/Results"  
          }  
        }  
      }  
    }  
  }  
}
```

```
    },
    "security": [
      {
        "Bearer Authentication": []
      }
    ]
  }
},
"/api/v1.0/report/id/{id}": {
  "delete": {
    "tags": [
      "report-controller"
    ],
    "summary": "Delete Patient's Report Details",
    "description": "Delete the Patient's Report details from the data base by Id.",
    "operationId": "delete_1",
    "parameters": [
      {
        "name": "id",
        "in": "path",
        "required": true,
        "schema": {
          "type": "integer",
          "format": "int32"
        }
      }
    ],
    "responses": {
      "200": {
        "description": "OK",
        "content": {
```

```
    "*/*": {
      "schema": {
        "type": "array",
        "items": {
          "$ref": "#/components/schemas/Report"
        }
      }
    }
  },
  "security": [
    {
      "Bearer Authentication": []
    }
  ]
},
"components": {
  "schemas": {
    "Patient": {
      "type": "object",
      "properties": {
        "contactNumber": {
          "type": "integer",
          "format": "int64"
        },
        "address": {
          "type": "string"
        }
      },
    },
  },
}
```

```
"firstName": {  
  "type": "string"  
},  
"lastName": {  
  "type": "string"  
},  
"gender": {  
  "type": "string"  
},  
"dateOfBirth": {  
  "type": "string",  
  "format": "date-time"  
},  
"maritalStatus": {  
  "type": "string"  
},  
"emergencyContactNumber": {  
  "type": "integer",  
  "format": "int64"  
},  
"email": {  
  "type": "string"  
},  
"bloodGroup": {  
  "type": "string"  
},  
"disease": {  
  "type": "string"  
},  
"diagnosis": {  
  "type": "string"
```

```
,
"previousDiagnosis": {
  "type": "string"
},
"dateVisited": {
  "type": "string",
  "format": "date-time"
},
"treatmentStartDate": {
  "type": "string",
  "format": "date-time"
},
"treatmentEndDate": {
  "type": "string",
  "format": "date-time"
},
"prescription": {
  "type": "string"
},
"height": {
  "type": "string"
},
"weight": {
  "type": "string"
}
},
"JwtRequest": {
  "type": "object",
  "properties": {
    "username": {
```

```
    "type": "string"
  },
  "password": {
    "type": "string"
  }
},
"Results": {
  "type": "object",
  "properties": {
    "id": {
      "type": "integer",
      "format": "int32"
    },
    "contactNumber": {
      "type": "integer",
      "format": "int64"
    },
    "date": {
      "type": "object",
      "properties": {
        "language": {
          "type": "string"
        },
        "script": {
          "type": "string"
        },
        "country": {
          "type": "string"
        },
        "variant": {
```

```
    "type": "string"
  },
  "extensionKeys": {
    "uniqueItems": true,
    "type": "array",
    "items": {
      "type": "string"
    }
  },
  "unicodeLocaleAttributes": {
    "uniqueItems": true,
    "type": "array",
    "items": {
      "type": "string"
    }
  },
  "unicodeLocaleKeys": {
    "uniqueItems": true,
    "type": "array",
    "items": {
      "type": "string"
    }
  },
  "iso3Language": {
    "type": "string"
  },
  "iso3Country": {
    "type": "string"
  },
  "displayLanguage": {
    "type": "string"
  }
}
```

```
,
  "displayScript": {
    "type": "string"
  },
  "displayCountry": {
    "type": "string"
  },
  "displayVariant": {
    "type": "string"
  },
  "displayName": {
    "type": "string"
  }
}
},
"whiteBloodCells": {
  "type": "number",
  "format": "double"
},
"redBloodCells": {
  "type": "number",
  "format": "double"
},
"hemoglobin": {
  "type": "number",
  "format": "double"
},
"hemotocrit": {
  "type": "number",
  "format": "double"
},
```



```
"meanCellVolume": {
  "type": "number",
  "format": "double"
},
"meanCellHemoglobin": {
  "type": "number",
  "format": "double"
},
"platelets": {
  "type": "integer",
  "format": "int32"
},
"reticulocyte": {
  "type": "number",
  "format": "double"
}
}
},
"Report": {
  "type": "object",
  "properties": {
    "id": {
      "type": "integer",
      "format": "int32"
    },
    "contactNumber": {
      "type": "integer",
      "format": "int64"
    },
    "date": {
      "type": "object",
```

```
"properties": {
  "language": {
    "type": "string"
  },
  "script": {
    "type": "string"
  },
  "country": {
    "type": "string"
  },
  "variant": {
    "type": "string"
  },
  "extensionKeys": {
    "uniqueItems": true,
    "type": "array",
    "items": {
      "type": "string"
    }
  },
  "unicodeLocaleAttributes": {
    "uniqueItems": true,
    "type": "array",
    "items": {
      "type": "string"
    }
  },
  "unicodeLocaleKeys": {
    "uniqueItems": true,
    "type": "array",
    "items": {
```

```
    "type": "string"
  }
},
"iso3Language": {
  "type": "string"
},
"iso3Country": {
  "type": "string"
},
"displayLanguage": {
  "type": "string"
},
"displayScript": {
  "type": "string"
},
"displayCountry": {
  "type": "string"
},
"displayVariant": {
  "type": "string"
},
"displayName": {
  "type": "string"
}
},
"systolic": {
  "type": "integer",
  "format": "int32"
},
"diastolic": {
```

```
    "type": "integer",
    "format": "int32"
  },
  "sugarlevel": {
    "type": "integer",
    "format": "int32"
  },
  "sugarlevel2": {
    "type": "integer",
    "format": "int32"
  }
}
},
"Doctor": {
  "required": [
    "address",
    "contactNumber",
    "dateOfBirth",
    "firstName",
    "gender",
    "lastName",
    "password"
  ],
  "type": "object",
  "properties": {
    "emailId": {
      "type": "string"
    },
    "password": {
      "type": "string"
    }
  },
}
```

```
"firstName": {
  "type": "string"
},
"lastName": {
  "type": "string"
},
"dateOfBirth": {
  "type": "string",
  "format": "date-time"
},
"gender": {
  "type": "string"
},
"address": {
  "type": "string"
},
"contactNumber": {
  "type": "integer",
  "format": "int64"
}
},
"UserRole": {
  "required": [
    "password",
    "role"
  ],
  "type": "object",
  "properties": {
    "userName": {
      "type": "string"
```

```
    },  
    "password": {  
      "type": "string"  
    },  
    "role": {  
      "type": "string"  
    }  
  }  
}  
},  
"securitySchemes": {  
  "Bearer Authentication": {  
    "type": "http",  
    "scheme": "bearer",  
    "bearerFormat": "JWT"  
  }  
}  
}  
}
```