

Request 1: Get all bus

```
curl --location --request GET 'http://localhost:8080/bus' \  
--header 'Content-Type: application/json' \  
--data-raw ''
```

Response 1:

```
[  
  {  
    "bus": {  
      "busId": 1,  
      "routeId": "MumThane1"  
    },  
    "route": {  
      "routeId": "MumThane1",  
      "route": "Mumbai Central,Goregaon,Borivale,Thane"  
    }  
  },  
  {  
    "bus": {  
      "busId": 2,  
      "routeId": "MumThane2"  
    },  
    "route": {  
      "routeId": "MumThane2",  
      "route": "Mumbai Central,Goregaon,Powai,Thane"  
    }  
  },  
  {  
    "bus": {  
      "busId": 3,  
      "routeId": "MumThane2"  
    },  
    "route": {  
      "routeId": "MumThane2",  
      "route": "Mumbai Central,Goregaon,Powai,Thane"  
    }  
  },  
  {  
    "bus": {  
      "busId": 4,
```

```
        "routeId": "MumNaviMum2"
    },
    "route": {
        "routeId": "MumNaviMum2",
        "route": "Mumbai Central,Bandra,Dadar,Powai,Airoli"
    }
}
]
```

Request 2: Add Bus

```
curl --location --request PUT 'http://localhost:8080/bus' \
--header 'Content-Type: application/json' \
--data-raw '{
    "busId": 1,
    "routeId": "MumThane1"
}'
```

Response 2:

```
{
    "busId": 1,
    "routeId": "MumThane1"
}
```

Request 3: Update status

```
curl --location --request POST 'http://localhost:8080/bus/status' \
--header 'Content-Type: application/json' \
--data-raw '{
    "id": "1",
    "currentStatus": "Goregaon, Thane"
}'
```

Response:

```
{
```

```
    "id": "127.01.2021",
    "currentStatus": "Goregaon, Thane"
}
```

Request 4: Get status of Bus using bus ID

```
curl --location --request GET 'http://localhost:8080/bus/status/1' \
--header 'Content-Type: application/json' \
--data-raw ''
```

Response:

```
{
  "id": "127.01.2021",
  "currentStatus": "Goregaon, Thane"
}
```

Request 5: Get all roles

```
curl --location --request GET 'http://localhost:8080/role' \
--header 'Content-Type: application/json' \
--data-raw ''
```

```
[
  {
    "roleId": 1,
    "roleName": "Admin",
    "roleDescription": "view buses,view routes,edit routes,edit buses"
  },
  {
    "roleId": 2,
    "roleName": "Driver",
    "roleDescription": "update location,view route"
  },
  {
    "roleId": 3,
```

```
    "roleName": "Passenger",
    "roleDescription": "view buses,view routes"
  }
]
```

Request 5: Get role by id

```
curl --location --request GET 'http://localhost:8080/role/1' \
--header 'Content-Type: application/json' \
--data-raw ''
```

Response:

```
{
  "roleId": 1,
  "roleName": "Admin",
  "roleDescription": "view buses,view routes,edit routes,edit buses"
}
```

Request 6: Create role

```
curl --location --request PUT 'http://localhost:8080/role' \
--header 'Content-Type: application/json' \
--data-raw '{
  "roleId": 4,
  "roleName": "Test",
  "roleDescription": "view buses,view routes,edit routes,edit buses"
}'
```

Response:

```
{
  "roleId": 4,
  "roleName": "Test",
  "roleDescription": "view buses,view routes,edit routes,edit buses"
}
```

Request 7: Get all routes

```
curl --location --request GET 'http://localhost:8080/route' \
```

```
--header 'Content-Type: application/json' \  
--data-raw ''
```

Response:

```
[  
  {  
    "routeId": "MumDombivali1",  
    "route": "Mumbai Central,Goregaon,Powai,Kalyan,Dombivali"  
  },  
  {  
    "routeId": "MumDombivali2",  
    "route": "Mumbai Central,Goregaon,Powai,Kalyan,Dombivali"  
  },  
  {  
    "routeId": "MumNaviMum2",  
    "route": "Mumbai Central,Bandra,Dadar,Powai,Airoli"  
  },  
  {  
    "routeId": "MumThane1",  
    "route": "Mumbai Central,Goregaon,Borivale,Thane"  
  },  
  {  
    "routeId": "MumThane2",  
    "route": "Mumbai Central,Goregaon,Powai,Thane"  
  }  
]
```

Request 8: Create route

```
curl --location --request PUT 'http://localhost:8080/route' \  
--header 'Content-Type: application/json' \  
--data-raw '{  
  "routeId": "MumThane3",  
  "route": "Mumbai Central,Goregaon,Powai,Thane"  
}'
```

Response:

```
{
```

```
    "routeId": "MumThane3",
    "route": "Mumbai Central,Goregaon,Powai,Thane"
}
```

Request9: Get Users

```
curl --location --request GET 'http://localhost:8080/user' \
--header 'Content-Type: application/json' \
--data-raw ''
```

Response:

```
[
  {
    "user": {
      "userId": "1",
      "password": "password",
      "userName": "vedantbhatt",
      "firstName": "vedant",
      "lastName": "bhatt",
      "phone": null,
      "email": null,
      "roleId": 1
    },
    "role": {
      "roleId": 1,
      "roleName": "Admin",
      "roleDescription": "view buses,view routes,edit routes,edit buses"
    }
  },
  {
    "user": {
      "userId": "2",
      "password": "password",
      "userName": "shahrukh",
      "firstName": "shah rukh",
      "lastName": "khan",
      "phone": null,
      "email": null,

```

```
        "roleId": 1
    },
    "role": {
        "roleId": 1,
        "roleName": "Admin",
        "roleDescription": "view buses,view routes,edit routes,edit buses"
    }
}
]
```

Request 10: Get user by id

```
curl --location --request GET 'http://localhost:8080/user/1' \
--header 'Content-Type: application/json' \
--data-raw ''
```

Response:

```
{
  "userId": "1",
  "password": "password",
  "userName": "vedantbhatt",
  "firstName": "vedant",
  "lastName": "bhatt",
  "phone": null,
  "email": null,
  "roleId": 1
}
```

Request 11: Authenticate

```
curl --location --request POST 'http://localhost:8080/user/authenticate' \
--header 'Content-Type: application/json' \
--data-raw '{
  "userId": "1",
  "password": "password",
}
```

```
    "userName": "vedantbhatt"
  }'
```

Response:

true

Request 12: Save user

```
curl --location --request PUT 'http://localhost:8080/user' \
--header 'Content-Type: application/json' \
--data-raw '{
    "userId": "1",
    "password": "password",
    "userName": "vedantbhatt",
    "firstName": "vedant",
    "lastName": "bhatt",
    "phone": null,
    "email": null,
    "roleId": 1
}'
```

Response:

```
{
  "user": {
    "userId": "1",
    "password": "password",
    "userName": "vedantbhatt",
    "firstName": "vedant",
    "lastName": "bhatt",
    "phone": null,
    "email": null,
    "roleId": 1
  },
  "role": {
    "roleId": 1,

```



```
    "roleName": "Admin",
    "roleDescription": "view buses,view routes,edit routes,edit buses"
  }
}
```

Request 13:

```
curl --location --request GET 'http://localhost:8080/bus?routeId=MumThane2' \
--header 'Content-Type: application/json' \
--data-raw '{
  "userId": "1",
  "password": "password",
  "userName": "vedantbhatt",
  "firstName": "vedant",
  "lastName": "bhatt",
  "phone": null,
  "email": null,
  "roleId": 1
}'
```

Response:

```
[
  {
    "bus": {
      "busId": 1,
      "routeId": "MumThane1"
    },
    "route": {
      "routeId": "MumThane1",
      "route": "Mumbai Central,Goregaon,Borivale,Thane"
    }
  },
  {
    "bus": {
      "busId": 2,
      "routeId": "MumThane2"
    },
    "route": {
```

```
        "routeId": "MumThane2",
        "route": "Mumbai Central,Goregaon,Powai,Thane"
    },
    {
        "bus": {
            "busId": 3,
            "routeId": "MumThane2"
        },
        "route": {
            "routeId": "MumThane2",
            "route": "Mumbai Central,Goregaon,Powai,Thane"
        }
    },
    {
        "bus": {
            "busId": 4,
            "routeId": "MumNaviMum2"
        },
        "route": {
            "routeId": "MumNaviMum2",
            "route": "Mumbai Central,Bandra,Dadar,Powai,Airoli"
        }
    }
]
```