**Resourse Patient :**

**Create a Patient**

HTTP Method: POST

URL Path: /patient/create

HTTP Status Code: 201 (Created)

Description: Creates a new patient in the system.

**Sample Request:**

POST /patient/create HTTP/1.1

Host: localhost:8081

Content-Type: application/json

{ "id": 1, "name": "John Doe", "age": 30, "gender": "Male", "address": "123 Main St", "phone": "1234567890", "email": "john@localhost:8081" }

**Sample Response:**

HTTP/1.1 201 Created

Content-Type: application/json

{ "id": 1, "name": "John Doe", "age": 30, "gender": "Male", "address": "123 Main St", "phone": "1234567890", "email": "john@localhost:8081" }

**Get a Patient**

HTTP Method: GET

URL Path: /patient/{id}

HTTP Status Code: 200 (OK)

Description: Retrieves the details of a specific patient.

**Sample Request:**

GET /patient/1 HTTP/1.1

Host: localhost:8081

**Sample Response:**

HTTP/1.1 200 OK

Content-Type: application/json

{ "id": 1, "name": "John Doe", "age": 30, "gender": "Male", "address": "123 Main St", "phone": "1234567890", "email": "john@localhost:8081" }

**Update a Patient**

HTTP Method: PUT

URL Path: /patient/{id}

HTTP Status Code: 200 (OK)

Description: Updates the details of a specific patient.

**Sample Request:**

PUT /patient/1 HTTP/1.1

Host: localhost:8081

Content-Type: application/json

{ "name": "John Smith", "age": 32, "phone": "9876543210" }

**Sample Response:**

HTTP/1.1 200 OK

Content-Type: application/json

{ "id": 1, "name": "John Smith", "age": 32, "gender": "Male", "address": "123 Main St", "phone": "9876543210", "email": "john@localhost:8081" }

# Delete a Patient

HTTP Method: DELETE

URL Path: /patient/{id}

HTTP Status Code: 204 (No Content)

Description: Deletes a specific patient from the system.

# Sample Request:

DELETE /patient/1 HTTP/1.1

Host: localhost:8081

Sample Response:

HTTP/1.1 204 No Content

**Resourse Doctor :**

# Get Doctor by ID

HTTP Method: GET

URL Path: /doctor/getById/{id}

HTTP Status Code: 200 (OK)

Description: Retrieves the details of a specific doctor.

# Sample Request:

GET /doctor/getById/1 HTTP/1.1

Host: localhost:8081

Sample Response:

HTTP/1.1 200 OK

Content-Type: application/json

{ "id": 1, "name": "John Doe", "phone": "1234567890", "age": 40, "address": "456 Main St", "email": "john@localhost:8081", "gender": "Male", "specialization": "Cardiology", "qualifications": "MBBS, MD", "availability": "Mon-Fri, 9AM-5PM", "salary": 5000.0, "isActive": true }

# Get All Doctors

HTTP Method: GET

URL Path: /doctor/getAll

HTTP Status Code: 200 (OK)

Description: Retrieves the details of all doctors.

# Sample Request:

GET /doctor/getAll HTTP/1.1

Host: localhost:8081

# Sample Response:

HTTP/1.1 200 OK

Content-Type: application/json

[ { "id": 1, "name": "John Doe", "phone": "1234567890", "age": 40, "address": "456 Main St", "email": "john@localhost:8081", "gender": "Male", "specialization": "Cardiology", "qualifications": "MBBS, MD", "availability": "Mon-Fri, 9AM-5PM", "salary": 5000.0, "isActive": true }, { "id": 2, "name": "Jane Smith", "phone": "9876543210", "age": 35, "address": "789 Elm St", "email": "jane@localhost:8081", "gender": "Female", "specialization": "Dermatology", "qualifications": "MBBS, MD", "availability": "Mon-Fri, 10AM-6PM", "salary": 5500.0, "isActive": true } ]

# Create a Doctor

HTTP Method: POST

URL Path: /doctor/create

HTTP Status Code: 201 (Created)

Description: Creates a new doctor in the system.

# Sample Request:

POST /doctor/create HTTP/1.1

Host: localhost:8081

Content-Type: application/json

{ "id": 1, "name": "John Doe", "phone": "1234567890", "age": 40, "address": "456 Main St", "email": "john@localhost:8081", "gender": "Male", "specialization": "Cardiology", "qualifications": "MBBS, MD", "availability": "Mon-Fri, 9AM-5PM", "salary": 5000.0, "isActive": true }

# Sample Response:

HTTP/1.1 201 Created

Content-Type: application/json

{ "id": 1, "name": "John Doe", "phone": "1234567890", "age": 40, "address": "456 Main St", "email": "john@localhost:8081", "gender": "Male", "specialization": "Cardiology", "qualifications": "MBBS, MD", "availability": "Mon-Fri, 9AM-5PM", "salary": 5000.0, "isActive": true }

# Update a Doctor

HTTP Method: PUT

URL Path: /doctor/update/{id}

HTTP Status Code: 200 (OK)

Description: Updates the details of a specific doctor.

# Sample Request:

PUT /doctor/update/1 HTTP/1.1

Host: localhost:8081

Content-Type: application/json

{ "name": "John Smith", "phone": "9876543210", "age": 42 }

# Sample Response:

HTTP/1.1 200 OK

Content-Type: application/json

{ "id": 1, "name": "John Smith", "phone": "9876543210", "age": 42, "address": "456 Main St", "email": "john@localhost:8081", "gender": "Male", "specialization": "Cardiology", "qualifications": "MBBS, MD", "availability": "Mon-Fri, 9AM-5PM", "salary": 5000.0, "isActive": true }

# Delete a Doctor

HTTP Method: DELETE

URL Path: /doctor/delete/{id}

HTTP Status Code: 204 (No Content)

Description: Deletes a specific doctor from the system.

# Sample Request:

DELETE /doctor/delete/1 HTTP/1.1

Host: localhost:8081

Sample Response:

HTTP/1.1 204 No Content

**Resource: Medical Record**

# Get Medical Record by ID

HTTP Method: GET

URL Path: /medical/getById/{id}

HTTP Status Code: 200 (OK)

Description: Retrieves the details of a specific medical record.

# Sample Request:

GET /medical/getById/1 HTTP/1.1

Host: localhost:8081

Sample Response:

HTTP/1.1 200 OK

Content-Type: application/json

{ "recordId": 1, "medications": "Medication A, Medication B", "labResult": "Normal", "diagnosis": "Common cold", "visitDate": "2023-05-23", "createdBy": "Dr. Smith", "symptoms": "Cough, Runny nose", "treatmentPlan": "Rest, Drink plenty of fluids", "nextAppointment": "2023-06-01", "patient\_id": 1 }

Get All Medical Records

HTTP Method: GET

URL Path: /medical/getAll

HTTP Status Code: 200 (OK)

Description: Retrieves the details of all medical records.

Sample Request:

GET /medical/getAll HTTP/1.1

Host: localhost:8081

Sample Response:

HTTP/1.1 200 OK

Content-Type: application/json

[ { "recordId": 1, "medications": "Medication A, Medication B", "labResult": "Normal", "diagnosis": "Common cold", "visitDate": "2023-05-23", "createdBy": "Dr. Smith", "symptoms": "Cough, Runny nose", "treatmentPlan": "Rest, Drink plenty of fluids", "nextAppointment": "2023-06-01", "patient\_id": 1 }, { "recordId": 2, "medications": "Medication C", "labResult": "Abnormal", "diagnosis": "Fever", "visitDate": "2023-05-25", "createdBy": "Dr. Johnson", "symptoms": "High temperature", "treatmentPlan": "Prescribed medication", "nextAppointment": "2023-06-10", "patient\_id": 2 } ]

Create a Medical Record

HTTP Method: POST

URL Path: /medical/create

HTTP Status Code: 201 (Created)

Description: Creates a new medical record in the system.

Sample Request:

POST /medical/create HTTP/1.1

Host: localhost:8081

Content-Type: application/json

{ "recordId": 1, "medications": "Medication A, Medication B", "labResult": "Normal", "diagnosis": "Common cold", "visitDate": "2023-05-23", "createdBy": "Dr. Smith", "symptoms": "Cough, Runny nose", "treatmentPlan": "Rest, Drink plenty of fluids", "nextAppointment": "2023-06-01", "patient\_id": 1 }

Sample Response:

HTTP/1.1 201 Created

Content-Type: application/json

{ "recordId": 1, "medications": "Medication A, Medication B", "labResult": "Normal", "diagnosis": "Common cold", "visitDate": "2023-05-23", "createdBy": "Dr. Smith", "symptoms": "Cough, Runny nose", "treatmentPlan": "Rest, Drink plenty of fluids", "nextAppointment": "2023-06-01", "patient\_id": 1 }

Update a Medical Record

HTTP Method: PUT

URL Path: /medical/update/{id}

HTTP Status Code: 200 (OK)

Description: Updates the details of a specific medical record.

Sample Request:

PUT /medical/update/1 HTTP/1.1

Host: localhost:8081

Content-Type: application/json

{ "medications": "Medication X, Medication Y", "treatmentPlan": "Follow-up appointment scheduled" }

Sample Response:

HTTP/1.1 200 OK

Content-Type: application/json

{ "recordId": 1, "medications": "Medication X, Medication Y", "labResult": "Normal", "diagnosis": "Common cold", "visitDate": "2023-05-23", "createdBy": "Dr. Smith", "symptoms": "Cough, Runny nose", "treatmentPlan": "Follow-up appointment scheduled", "nextAppointment": "2023-06-01", "patient\_id": 1 }

Delete a Medical Record

HTTP Method: DELETE

URL Path: /medical/delete/{id}

HTTP Status Code: 204 (No Content)

Description: Deletes a specific medical record from the system.

Sample Request:

DELETE /medical/delete/1 HTTP/1.1

Host: localhost:8081

Sample Response:

HTTP/1.1 204 No Content

**Resource: Appointment**

Get Appointment by ID

HTTP Method: GET

URL Path: /appointment/getById/{id}

HTTP Status Code: 200 (OK)

Description: Retrieves the details of a specific appointment.

Sample Request:

GET /appointment/getById/1 HTTP/1.1

Host: localhost:8081

Sample Response:

HTTP/1.1 200 OK

Content-Type: application/json

{ "id": 1, "date": "2023-05-24", "purpose": "Check-up", "duration": 30, "isCancelled": false, "roomNumber": "A101", "note": "Please arrive 10 minutes early", "patient\_id": 1, "doctor\_id": 2 }

Get All Appointments

HTTP Method: GET

URL Path: /appointment/getAll

HTTP Status Code: 200 (OK)

Description: Retrieves the details of all appointments.

Sample Request:

GET /appointment/getAll HTTP/1.1

Host: localhost:8081

Sample Response:

HTTP/1.1 200 OK

Content-Type: application/json

[ { "id": 1, "date": "2023-05-24", "purpose": "Check-up", "duration": 30, "isCancelled": false, "roomNumber": "A101", "note": "Please arrive 10 minutes early", "patient\_id": 1, "doctor\_id": 2 }, { "id": 2, "date": "2023-05-25", "purpose": "Follow-up", "duration": 15, "isCancelled": false, "roomNumber": "B203", "note": "Bring previous test results", "patient\_id": 3, "doctor\_id": 2 } ]

Create an Appointment

HTTP Method: POST

URL Path: /appointment/create

HTTP Status Code: 201 (Created)

Description: Creates a new appointment in the system.

Sample Request:

POST /appointment/create HTTP/1.1

Host: localhost:8081

Content-Type: application/json

{ "date": "2023-05-24", "purpose": "Check-up", "duration": 30, "isCancelled": false, "roomNumber": "A101", "note": "Please arrive 10 minutes early", "patient\_id": 1, "doctor\_id": 2 }

Sample Response:

HTTP/1.1 201 Created

Content-Type: application/json

{ "id": 1, "date": "2023-05-24", "purpose": "Check-up", "duration": 30, "isCancelled": false, "roomNumber": "A101", "note": "Please arrive 10 minutes early", "patient\_id": 1, "doctor\_id": 2 }

Update an Appointment

HTTP Method: PUT

URL Path: /appointment/update/{id}

HTTP Status Code: 200 (OK)

Description: Updates the details of a specific appointment.

Sample Request:

PUT /appointment/update/1 HTTP/1.1

Host: localhost:8081

Content-Type: application/json

{ "purpose": "Follow-up", "duration": 15, "note": "Bring previous test results" }

Sample Response:

HTTP/1.1 200 OK

Content-Type: application/json

{ "id": 1, "date": "2023-05-24", "purpose": "Follow-up", "duration": 15, "isCancelled": false, "roomNumber": "A101", "note": "Bring previous test results", "patient\_id": 1, "doctor\_id": 2 }

Delete an Appointment

HTTP Method: DELETE

URL Path: /appointment/delete/{id}

HTTP Status Code: 204 (No Content)

Description: Deletes a specific appointment from the system.

Sample Request:

DELETE /appointment/delete/1 HTTP/1.1

Host: localhost:8081

Sample Response:

HTTP/1.1 204 No Content