

Patient Services Enrolment API Documentation

1. PatientServicesController

Endpoints:

1. Save a New Patient

POST /api/patients/new_Patient

- **Request Body:** Patient object
- **Response:** HTTP 201 Created, Patient object
- **Description:** Saves a new patient in the system.

2. Get All Patients

GET /api/patients/patients

- **Response:** HTTP 200 OK, List of Patient objects
- **Description:** Fetches all registered patients.

3. Get Patient by ID

GET /api/patients/patient_By_ID/{id}

- **Path Variable:** id (Long)
- **Response:** HTTP 200 OK, Patient object or 400 BAD REQUEST if not found
- **Description:** Retrieves a patient by their ID.

4. Update Patient by ID

PUT /api/patients/patient_By_Id/{id}

- **Path Variable:** id (Long)
- **Request Body:** Updated Patient object
- **Response:** HTTP 200 OK or 502 BAD GATEWAY if patient is not found

- **Description:** Updates an existing patient's details.

5. Get Total Records Data

GET /api/patients/total_Records_Data

- **Response:** HTTP 200 OK, Summary of patients, diseases, and medicines.
- **Description:** Provides an overview of total records in the system.

6. Delete Patient by ID

DELETE /api/patients/patient_By_Id/{id}

- **Path Variable:** id (Long)
- **Response:** HTTP 200 OK or 400 BAD REQUEST if not found
- **Description:** Deletes a patient by their ID.

7. Get Patients by Date of Birth Range

POST /api/patients/by_Date_Of_Birth

- **Request Body:** DOBRangeRequest (startDate, endDate)
- **Response:** HTTP 200 OK, List of Patients or message if no patients found
- **Description:** Retrieves patients within a specified date range.

8. Get Patients by Name

GET /api/patients/by_Name/{patientName}

- **Path Variable:** patientName (String)
- **Response:** HTTP 200 OK, List of Patients or 404 NOT FOUND if no matches
- **Description:** Searches patients by their name.

9. Add Report to a Patient

POST /api/patients/add_patient_report

- **Request Body:** Report object
- **Response:** HTTP 200 OK or 400 BAD REQUEST for invalid patient ID

- **Description:** Associates a report with a patient.

10. Get Patient Reports by Patient ID

GET /api/patients/patient_reports/{patient_id}

- **Path Variable:** patient_id (Long)
- **Response:** HTTP 200 OK, List of Reports or message if not found
- **Description:** Fetches all reports for a given patient.

2.LocationServicesController

Endpoints:

1. Register a New Location

POST /new_location

- **Request Body:** Location object
- **Response:** HTTP 200 OK or 400 BAD REQUEST for invalid data
- **Description:** Adds a new location.

2. Get All Locations

GET /locations

- **Response:** HTTP 200 OK, List of Locations
- **Description:** Retrieves all available locations.

3. HospitalServicesController

Endpoints:

1. Register a New Hospital

POST /new_hospital

- **Request Body:** Hospital object
- **Response:** HTTP 200 OK or 500 INTERNAL SERVER ERROR if location ID is invalid
- **Description:** Adds a new hospital to the system.

2. Add Departments to a Hospital

POST /add_department/{hospital_id}

- **Path Variable:** hospital_id (Long)
- **Request Body:** List of department IDs
- **Response:** HTTP 200 OK or 400 BAD REQUEST for errors
- **Description:** Associates departments with a hospital.

4.EmployeeServiceController

Endpoints:

1. Register a New Employee

POST /new_employee/

- **Request Body:** Employee object
- **Response:** HTTP 200 OK or 400 BAD REQUEST
- **Description:** Saves a new employee in the system.

2. Register a Doctor

POST /new_employee/doctor

- **Request Body:** NewEmployeeDeptDTO
- **Response:** HTTP 200 OK or 400 BAD REQUEST
- **Description:** Adds a doctor to the system with associated department.

5.DepartmentServiceController

Endpoints:

1. Get All Departments

GET /departments

- **Response:** HTTP 200 OK, List of Departments
- **Description:** Fetches all available departments.

2. Register a New Department

POST /register_new_department

- **Request Body:** Department object
- **Response:** HTTP 200 OK or 400 BAD REQUEST
- **Description:** Adds a new department to the system.