
Appointment API Documentation

Base URL

/api/appointments

Create Appointment

- **URL:** /api/appointments
- **Method:** POST
- **Description:** Creates a new appointment.
- **Request Parameters:**
 - doctorUsername (String): Username of the doctor.
 - patientId (Long): ID of the patient.
 - appointmentDate (ISO 8601 DateTime): Date and time of the appointment.
 - location (String): Location of the appointment.
- **Response:** 201 Created

```
{
  "id": "Long",
  "patientId": "Long",
  "doctorId": "Long",
  "appointmentDate": "ISO 8601 DateTime",
  "location": "String",
  "status": "String",
  "createdAt": "ISO 8601 DateTime"
}
```
- **Note:** appointmentDate must be in ISO 8601 format (YYYY-MM-DDTHH:MM:SS).

Get Appointments by Doctor

- **URL:** /api/appointments/doctor/{doctorId}
- **Method:** GET
- **Description:** Retrieves all appointments for a specific doctor.
- **Path Parameter:**
 - doctorId (Long): ID of the doctor.

- **Response:** 200 OK

```
[
  {
    "id": "Long",
    "patientId": "Long",
    "doctorId": "Long",
    "appointmentDate": "ISO 8601 DateTime",
    "location": "String",
    "status": "String",
    "createdAt": "ISO 8601 DateTime"
  }
]
```

Get Appointments by Patient

- **URL:** /api/appointments/patient/{patientId}
 - **Method:** GET
 - **Description:** Retrieves all appointments for a specific patient.
 - **Path Parameter:**
 - patientId (Long): ID of the patient.
 - **Response:** 200 OK
-

Get Appointments by Location

- **URL:** /api/appointments/location
 - **Method:** GET
 - **Description:** Retrieves all appointments at a specific location.
 - **Query Parameter:**
 - location (String): Location of the appointment.
 - **Response:** 200 OK
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Get Appointments by Status

- **URL:** /api/appointments/status
 - **Method:** GET
 - **Description:** Retrieves all appointments with a specific status.
 - **Query Parameter:**
 - status (String): Status of the appointments (e.g., “active”, “canceled”).
 - **Response:** 200 OK
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Delete Appointment

- **URL:** /api/appointments/{appointmentId}
 - **Method:** DELETE
 - **Description:** Deletes an appointment by ID.
 - **Path Parameter:**
 - appointmentId (Long): ID of the appointment.
 - **Response:** 204 No Content
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Update Appointment Status

- **URL:** /api/appointments/{appointmentId}/status
 - **Method:** PUT
 - **Description:** Updates the status of an appointment.
 - **Path Parameter:**
 - appointmentId (Long): ID of the appointment.
 - **Request Parameter:**
 - status (String): New status of the appointment.
 - **Response:** 200 OK

```
{
  "id": "Long",
  "patientId": "Long",
  "doctorId": "Long",
  "appointmentDate": "ISO 8601 DateTime",
  "location": "String",
  "status": "String",
  "createdAt": "ISO 8601 DateTime"
}
```
 - **Error Responses:**
 - 400 Bad Request: Invalid status provided.
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Get Appointments by Date Range

- **URL:** /api/appointments/date-range
- **Method:** GET
- **Description:** Retrieves appointments within a specified date range.
- **Query Parameters:**
 - start (ISO 8601 DateTime): Start of the date range.
 - end (ISO 8601 DateTime): End of the date range.

- **Response:** 200 OK

Note: Dates should be provided in ISO 8601 format (YYYY-MM-DDTHH:MM:SS).