

Medications API Documentation

Base URL: /api/medications

Authorization Requirements

All endpoints require: - Valid username parameter - Staff role - Specific privilege level: - **editor**: Basic medication management - **supervisor**: Advanced querying and listing

Endpoints

Add Medication

POST /

Creates a new medication record.

Required Authorization: - Staff role - **editor** privilege

Query Parameters: - **username** (string): Username of the requesting user

Request Body:

```
{
  "medicationName": "string",
  "dosage": "string",
  "frequency": "string",
  "startDate": "datetime",
  "endDate": "datetime",
  "medicalRecordId": "long"
}
```

Responses: - 201 Created: Medication created successfully json {
"id": "long", "medicationName": "string", "dosage":
"string", "frequency": "string", "startDate": "datetime",
"endDate": "datetime", "medicalRecordId": "long", "createdAt":
"datetime" } - 400 Bad Request: "Invalid medication request" - 500
Internal Server Error: "An error occurred"

Get All Medications

GET /

Retrieves all medications.

Required Authorization: - Staff role - **supervisor** privilege

Query Parameters: - **username** (string): Username of the requesting user

Response: 200 OK Array of medication responses

Get Medications by Medical Record

GET /record/{medicalRecordId}

Retrieves all medications associated with a specific medical record.

Required Authorization: - Staff role - `editor` privilege

Path Parameters: - `medicalRecordId` (long): ID of the medical record

Query Parameters: - `username` (string): Username of the requesting user

Responses: - 200 OK: Array of medication responses - 404 Not Found: "Medical record not found" - 500 Internal Server Error: "An error occurred"

Delete Medication

DELETE /{medicationId}

Deletes a specific medication.

Required Authorization: - Staff role - `editor` privilege

Path Parameters: - `medicationId` (long): ID of the medication to delete

Query Parameters: - `username` (string): Username of the requesting user

Responses: - 204 No Content: "Medication deleted successfully" - 404 Not Found: "Medication not found" - 500 Internal Server Error: "An error occurred"

Get Active Medications

GET /active

Retrieves all currently active medications.

Required Authorization: - Staff role - `supervisor` privilege

Query Parameters: - `username` (string): Username of the requesting user

Response: 200 OK Array of medication responses

Search Medications by Name

GET /search

Searches medications by name pattern.

Required Authorization: - Staff role - `supervisor` privilege

Query Parameters: - `name` (string): Medication name search pattern - `username` (string): Username of the requesting user

Response: 200 OK Array of medication responses

Get Expiring Medications

GET /expiring

Retrieves medications that are expiring soon.

Required Authorization: - Staff role - editor privilege

Query Parameters: - username (string): Username of the requesting user

Response: 200 OK Array of medication responses

Data Models

MedicationRequest

```
{
  "medicationName": "string",
  "dosage": "string",
  "frequency": "string",
  "startDate": "datetime",
  "endDate": "datetime",
  "medicalRecordId": "long"
}
```

MedicationResponse

```
{
  "id": "long",
  "medicationName": "string",
  "dosage": "string",
  "frequency": "string",
  "startDate": "datetime",
  "endDate": "datetime",
  "medicalRecordId": "long",
  "createdAt": "datetime"
}
```

Common Error Responses

All endpoints may return these error responses: - 400 **Bad Request**: Invalid request parameters or body - 401 **Unauthorized**: Missing or invalid username - 403 **Forbidden**: Insufficient privileges or invalid role - 404 **Not Found**: Requested resource not found - 500 **Internal Server Error**: Server error

Date Format

All datetime fields should be provided in ISO 8601 format: - Example: 2024-01-01T00:00:00Z