

Payment Reminder Service - API Documentation

Base URL: <http://localhost:8080>

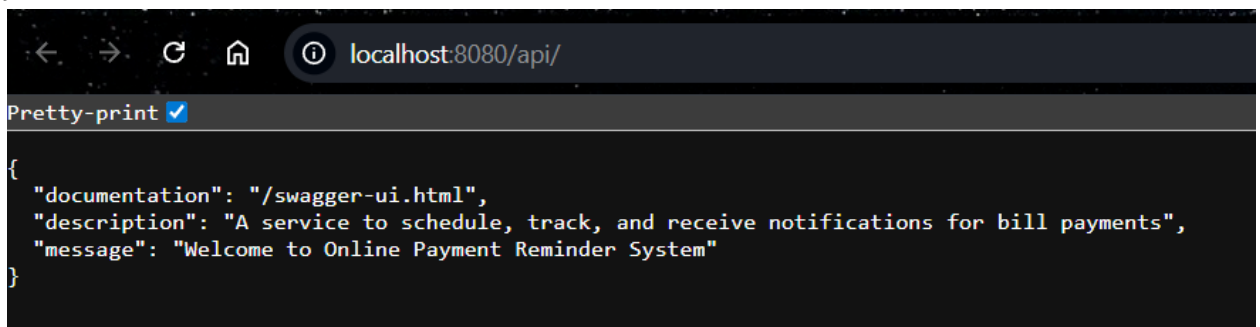
Available Endpoints

1. Welcome Endpoint

- URL: /api/
- Method: GET
- Description: Returns a welcome message and service information
- Authentication: None
- Response: 200 OK
-

Response Body

```
{
  "documentation": "/swagger-ui.html",
  "description": "A service to schedule, track, and receive notifications for bill payments",
  "message": "Welcome to Online Payment Reminder System"
}
```

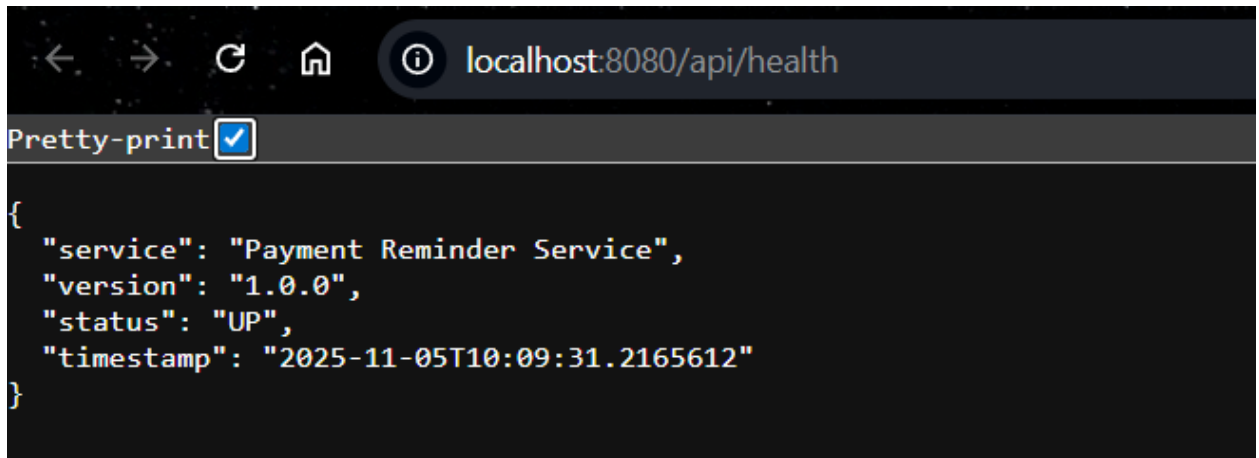


2. Custom Health Check

- URL: /api/health
- Method: GET
- Description: Returns custom health status with timestamp
- Authentication: None
- Response: 200 OK
-

Response Body

```
{
  "service": "Payment Reminder Service",
  "version": "1.0.0",
  "status": "UP",
  "timestamp": "2025-11-05T10:09:31.2165612"
}
```

A screenshot of a web browser window. The address bar shows 'localhost:8080/api/health'. Below the address bar, there is a 'Pretty-print' checkbox which is checked. The main content area displays a JSON response in a dark-themed editor. The JSON object contains the following fields: 'service' with value 'Payment Reminder Service', 'version' with value '1.0.0', 'status' with value 'UP', and 'timestamp' with value '2025-11-05T10:09:31.2165612'.

```
{
  "service": "Payment Reminder Service",
  "version": "1.0.0",
  "status": "UP",
  "timestamp": "2025-11-05T10:09:31.2165612"
}
```

3. Actuator Health Check

- URL: /actuator/health
- Method: GET
- Description: Spring Boot actuator health endpoint with component details
- Authentication: None
- Response: 200 OK
-

Response Body

```
{
  "status": "UP",
  "components": {
    "db": {
      "status": "UP",
      "details": {
        "database": "PostgreSQL",
        "validationQuery": "isValid()"
      }
    },
    "diskSpace": {
      "status": "UP",
      "details": {
        "total": 999258656768,
        "free": 235790827520,
        "threshold": 10485760,
        "path": "C:\\Users\\kanta\\Documents\\payment-reminder-service\\.\\",
        "exists": true
      }
    },
    "ping": {
      "status": "UP"
    }
  }
}
```

```

    "ssl": {
      "status": "UP",
      "details": {
        "validChains": [],
        "invalidChains": []
      }
    }
  }
}

```

The screenshot shows a web browser window with the address bar displaying `localhost:8080/actuator/health`. Below the address bar, there is a "Pretty-print" button. The main content area displays a JSON response indicating that the service is in a "DOWN" state. The response includes details for the database component, which is also "DOWN" due to a "Failed to obtain JDBC Connection" error. Other components like "diskSpace" and "ping" are reported as "UP".

```

{
  "status": "DOWN",
  "components": {
    "db": {
      "status": "DOWN",
      "details": {
        "error": "org.springframework.jdbc.CannotGetJdbcConnectionException: Failed to obtain JDBC Connection"
      }
    },
    "diskSpace": {
      "status": "UP",
      "details": {
        "total": 999258656768,
        "free": 235844325376,
        "threshold": 10485760,
        "path": "C:\\Users\\kanta\\Documents\\payment-reminder-service\\.\\",
        "exists": true
      }
    },
    "ping": {
      "status": "UP"
    },
    "ssl": {
      "status": "UP",
      "details": {
        "validChains": [],
        "invalidChains": []
      }
    }
  }
}

```

