

API Documentation: Room Management

This document provides the technical specification for the API endpoints related to creating and managing rooms, as defined in room_route.py.

Manager Features

1. Add Room

Creates a new room record in the system.

- **Endpoint:** POST /room/manager/add
- **Description:** Creates a new room with a unique, server-generated ID and a specified name. This action is restricted to administrative users.
- **Authentication:** Manager Role Required.
- **Request Body:**

Field	Type	Required	Description
name	String	Yes	The name of the new room.

- **Example Request:**

```
{
  "name": "Computer Lab"
}
```

Responses:

- **201 Created (Success)**
 - **Description:** Returned when the room is created successfully.
 - **Body:**

```
{
  "name": "Computer Lab",
  "status": "Free"
}
```

- **400 Bad Request (Invalid Input)**

- **Description:** Returned if the name field is missing from the request body.

- **Body:**

```
{
  "message": "Invalid input",
  "error": {
    "name": [
      "Missing data for required field."
    ]
  }
}
```

- **403 Forbidden (Unauthorized)**

- **Description:** Returned if the user making the request does not have the 'Manager' role.

- **Body:**

```
{
  "message": "Access denied for <user_role>"
}
```