

# API Endpoint Documentation

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This document outlines the endpoints and actions available in the API.

## Authentication

### Login as Admin

Allows an admin user to authenticate.

- **Method:** POST
- **URL:** `http://localhost:3064/auth/login`
- **Headers:**
  - Content-Type: application/json
- **Body:**

```
{
  "email": "admin@example.com",
  "password": "adminPassword"
}
```

### Registration

Allows both admin and guest users to register.

- **Method:** POST
- **URL:** `http://localhost:3064/auth/signup`
- **Headers:**
  - Content-Type: application/json
- **Body:**

```
{
  "username": "Carlos",
}
```

```
"email": "carlos@example.com",  
"password": "carlosPassword",  
"role": "guest"  
}
```

## Logout

Logs out the user.

- **Method:** POST
- **URL:** `http://localhost:3065/auth/logout`
- **Headers:**
  - Authorization: Bearer [token]
  - Content-Type: application/json

## Admin Actions

### Get All Rooms

Retrieves all rooms available for admin.

- **Method:** GET
- **URL:** `http://localhost:3043/rooms`
- **Headers:**
  - Authorization: Bearer [token]
  - Content-Type: application/json
  - x-userrole: admin

### Room Creation

Creates a new room by admin.

- **Method:** POST
- **URL:** `http://localhost:3043/rooms`
- **Headers:**

- Authorization: Bearer [token]
- Content-Type: application/json
- x-userrole: admin

- **Body:**

```
{
  "room_number": "101",
  "type": "standard",
  "price_per_night": 100,
  "availability": true,
  "image": "<https://example.com/room101.jpg>"
}
```

## Get Room by ID

Retrieves a specific room by ID for admin.

- **Method:** GET
- **URL:** `http://localhost:3043/rooms/{room_id}`
- **Headers:**
  - Authorization: Bearer [token]
  - Content-Type: application/json
  - x-userrole: admin

## Update a Room

Updates a room by admin.

- **Method:** PUT
- **URL:** `http://localhost:3064/rooms/{room_id}`
- **Headers:**
  - Authorization: Bearer [token]
  - Content-Type: application/json

- x-userrole: admin
- **Body:**

```
{
  "room_number": "202",
  "type": "Suite",
  "price_per_night": 150,
  "availability": true,
  "image": "<https://example.com/updated-room202.jpg>"
}
```

## Partially Update a Room (PATCH)

Partially updates a room by admin.

- **Method:** PATCH
- **URL:** `http://localhost:3064/rooms/{room_id}`
- **Headers:**
  - Authorization: Bearer [token]
  - Content-Type: application/json
  - x-userrole: admin
- **Body:**

```
{
  "type": "Deluxe"
}
```

## Delete a Room

Deletes a room by admin.

- **Method:** DELETE
- **URL:** `http://localhost:3064/rooms/{room_id}`

- **Headers:**
  - Authorization: Bearer [token]
  - Content-Type: application/json
  - x-userrole: admin

## Get User by ID

Retrieves a specific user by ID for admin.

- **Method:** GET
- **URL:** `http://localhost:3064/users/{userId}`
- **Headers:**
  - Authorization: Bearer [token]
  - Content-Type: application/json
  - x-userrole: admin

## Delete User by ID

Deletes a user by ID for admin.

- **Method:** DELETE
- **URL:** `http://localhost:3064/users/{userId}`
- **Headers:**
  - Authorization: Bearer [token]
  - Content-Type: application/json
  - x-userrole: admin

## Get All Users

Retrieves all users for admin.

- **Method:** GET
- **URL:** `http://localhost:3064/users`
- **Headers:**

- Authorization: Bearer [token]
- Content-Type: application/json
- x-userrole: admin

## Update User

Updates a user by admin.

- **Method:** PUT
- **URL:** `http://localhost:3064/users/{userId}`
- **Headers:**
  - Authorization: Bearer [token]
  - Content-Type: application/json
  - x-userrole: admin
- **Body:**

```
{
  "username": "updated_user",
  "email": "updated_user@example.com",
  "password": "updated_password",
  "role": "guest"
}
```

## Create a User by Admin

Creates a new user by admin.

- **Method:** POST
- **URL:** `http://localhost:3064/users`
- **Headers:**
  - Authorization: Bearer [token]
  - Content-Type: application/json
  - x-userrole: admin

- **Body:**

```
{
  "username": "new_user",
  "email": "new_user@example.com",
  "password": "new_password",
  "role": "guest"
}
```

## Guest Actions

### Get All Rooms by Guest

Retrieves all rooms available for guest.

- **Method:** GET
- **URL:** `http://localhost:3064/rooms`
- **Headers:**
  - Authorization: Bearer [token]
  - Content-Type: application/json
  - x-userrole: guest

### Get Room by ID (Guest)

Retrieves a specific room by ID for guest.

- **Method:** GET
  - **URL:** `http://localhost:3064/rooms/{room_id}`
  - **Headers:**
    - Authorization: Bearer [token]
    - Content-Type: application/json
    - x-userrole: guest
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This documentation provides detailed information about each API endpoint, including the required headers, request methods, URLs, and request/response bodies. Let me know if there are any further adjustments or additions needed!