API Specification Doc -EAZYBEE

**Application Name: EazyBee**

**Version: 1.0**

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**Description: Structured API specification for EazyBee backend services.**

EAZYBEE

## 

## Base URL 🡪http://localhost:8080/api

## Authentication Endpoints

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Method** | **Endpoint** | **Description** | **Auth Required** | **Request Body** |
| POST | /auth/register | Register a user | Yes | { "email": "string", "password": "string", "name": "string" } |
| POST | /auth/login | Login a user | Yes | { "email": "string", "password": "string" } |

## User Profile

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Method** | **Endpoint** | **Description** | **Auth Required** | **Request Body** |
| GET | /users/profile | Get user profile | Yes | N/A |
| PUT | /users/profile | Update user profile | Yes | {string: "name",  string, "email",  string", "bio",  string,: "avatar",  string: ”PhoneNumber”,  string: ”address”  } |

## Watchlist Management

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Endpoint** | **Description** | **Auth Required** |
| GET | /users/watchlist | Get user's watchlist | Yes |
| POST | /users/watchlist/{mediaId} | Add to watchlist | Yes |
| DELETE | /users/watchlist/{mediaId} | Remove from watchlist | Yes |

## Watch History

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Endpoint** | **Description** | Auth Required |
| GET | /users/watch-history | Get watch history | Yes |
| POST | /users/watch-history/{mediaId} | Add to watch history | Yes |

## User Management

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Endpoint** | **Description** | **Auth Required** |
| GET | /admin/users | List all users | Admin only |
| PUT | /admin/users/{userId} | Update a user | Admin only |
| DELETE | /admin/users/{userId} | Delete a user | Admin only |

## Content Management

|  |  |  |  |
| --- | --- | --- | --- |
| Method | Endpoint | Description | Auth Required |
| GET | /admin/content | List all content | Admin only |
| POST | /admin/content | Add content | Admin only |
| PUT | /admin/content/{contentId} | Update content | Admin only |
| DELETE | /admin/content/{contentId} | Delete content | Admin only |

## Announcements

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Endpoint** | **Description** | **Auth Required** |
| GET | /admin/announcements | List announcements | Admin only |
| POST | /admin/announcements | Create announcement | Admin only |
| PUT | /admin/announcements/{id} | Update announcement | Admin only |
| DELETE | /admin/announcements/{id} | Delete announcement | Admin only |

## Media Endpoints

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Method** | **Endpoint** | **Description** | **Auth Required** | **Query Parameters** |
| GET | /media | Browse media | No | genre, type,title |
| GET | /media/{mediaId} | Full media details including genre, cast, thumbnail, video URL, etc. | No | N/A |

## Comments

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Endpoint** | **Description** | **Auth Required** |
| GET | /media/{mediaId}/comments | List comments | Yes |
| POST | /media/{mediaId}/comments | Add comment | Yes |
| DELETE | /media/{mediaId}/comments/{commentId} | Delete comment | Yes |

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | { "message": "Operation successful", "data": <optional payload> } |
| 201 | { "message": "Resource created successfully", "resourceId": <id> } |
| 403 | { "error": "Forbidden", "message": "Access denied or API key missing." } |
| 400 | { "error": "Bad Request", "message": "Missing or invalid fields." } |
| 404 | { "error": "Not Found", "message": "Resource does not exist." } |
| 401 | { "error": "Unauthorized", "message": "Invalid or missing token." } |
| 409 | { "error": "Conflict", "message": "Duplicate entry or already exists." } |
| 500 | { "error": "Server Error", "message": "Something went wrong." } |