# **API Documentation**

## **1. User APIs**

### **1.1. Create User**

**POST** /api/users

Creates a new user.

**Request Body:**

json

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{

"username": "john\_doe",

"password": "securepassword",

"role": "admin",

"is\_staff": true,

"is\_admin": true,

"created\_by": 1

}

**Response:**

json

CopyEdit

{

"user\_id": 1,

"username": "john\_doe",

"role": "admin",

"is\_staff": true,

"is\_admin": true,

"created\_by": 1,

"created\_at": "2025-04-13T10:00:00.000Z",

"updated\_at": "2025-04-13T10:00:00.000Z"

}

### **1.2. Get All Users**

**GET** /api/users

Fetches all users.

**Response:**

json

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[

{

"user\_id": 1,

"username": "john\_doe",

"role": "admin",

"is\_staff": true,

"is\_admin": true,

"created\_by": 1,

"created\_at": "2025-04-13T10:00:00.000Z",

"updated\_at": "2025-04-13T10:00:00.000Z"

},

...

]

### **1.3. Get User by ID**

**GET** /api/users/:id

Fetches a specific user by user\_id.

**Response:**

json

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{

"user\_id": 1,

"username": "john\_doe",

"role": "admin",

"is\_staff": true,

"is\_admin": true,

"created\_by": 1,

"created\_at": "2025-04-13T10:00:00.000Z",

"updated\_at": "2025-04-13T10:00:00.000Z"

}

### **1.4. Update User**

**PUT** /api/users/:id

Updates a specific user.

**Request Body:**

json

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{

"username": "john\_updated",

"password": "newpassword",

"role": "staff",

"is\_staff": false,

"is\_admin": false,

"created\_by": 1

}

**Response:**

json

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{

"user\_id": 1,

"username": "john\_updated",

"role": "staff",

"is\_staff": false,

"is\_admin": false,

"created\_by": 1,

"created\_at": "2025-04-13T10:00:00.000Z",

"updated\_at": "2025-04-13T10:00:00.000Z"

}

### **1.5. Delete User**

**DELETE** /api/users/:id

Deletes a user by user\_id.

**Response:**

json

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{

"message": "User deleted successfully"

}

### **1.6. Login**

**POST** /api/login

Logs in using username and password.

**Request Body:**

json

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{

"username": "john\_doe",

"password": "securepassword"

}

**Response (Success):**

json

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{

"message": "Login successful",

"user": {

"user\_id": 1,

"username": "john\_doe",

"role": "admin",

"is\_staff": true,

"is\_admin": true,

"created\_by": null,

"created\_at": "2025-04-13T10:00:00.000Z",

"updated\_at": "2025-04-13T10:00:00.000Z"

}

}

**Response (Failure):**

json

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{

"message": "Invalid username or password."

}

## **2. AU User APIs**

### **2.1. Create AU User**

**POST** /api/au-users

Creates a new AU user.

**Request Body:**

json

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{

"name": "Rahul Sharma",

"phone": "9988776655",

"email": "rahul@example.com",

"created\_by": 1

}

**Response:**

json

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{

"id": 12,

"name": "Rahul Sharma",

"phone": "9988776655",

"email": "rahul@example.com",

"created\_by": 1,

"created\_at": "2025-04-13T10:12:00.000Z",

"updated\_at": "2025-04-13T10:12:00.000Z"

}

### **2.2. Get All AU Users**

**GET** /api/au-users

Fetches all AU users.

**Response:**

json

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[

{

"id": 12,

"name": "Rahul Sharma",

"phone": "9988776655",

"email": "rahul@example.com",

"created\_by": 1,

"created\_at": "2025-04-13T10:12:00.000Z",

"updated\_at": "2025-04-13T10:12:00.000Z"

},

...

]

### **2.3. Get AU User by ID**

**GET** /api/au-users/:id

Fetches a specific AU user by id.

**Response:**

json

CopyEdit

{

"id": 12,

"name": "Rahul Sharma",

"phone": "9988776655",

"email": "rahul@example.com",

"created\_by": 1,

"created\_at": "2025-04-13T10:12:00.000Z",

"updated\_at": "2025-04-13T10:12:00.000Z"

}

### **2.4. Update AU User**

**PUT** /api/au-users/:id

Updates a specific AU user.

**Request Body:**

json

CopyEdit

{

"name": "Rahul Sharma Updated",

"phone": "9988776611",

"email": "rahul\_updated@example.com",

"created\_by": 1

}

**Response:**

json

CopyEdit

{

"id": 12,

"name": "Rahul Sharma Updated",

"phone": "9988776611",

"email": "rahul\_updated@example.com",

"created\_by": 1,

"created\_at": "2025-04-13T10:12:00.000Z",

"updated\_at": "2025-04-13T10:12:00.000Z"

}

### **2.5. Delete AU User**

**DELETE** /api/au-users/:id

Deletes a specific AU user.

**Response:**

json

CopyEdit

{

"message": "AU User deleted successfully"

}

### **2.6. Get AU Users Created by User**

**GET** /api/au-users/created-by/:userId

Fetches AU users created by a specific user\_id.

**Response:**

json

CopyEdit

[

{

"id": 12,

"name": "Rahul Sharma",

"phone": "9988776655",

"email": "rahul@example.com",

"created\_by": 1,

"created\_at": "2025-04-13T10:12:00.000Z",

"updated\_at": "2025-04-13T10:12:00.000Z"

},

...

]

## **3. Products APIs**

### **3.1. Create Product**

**POST** /api/products

Creates a new product.

**Request Body:**

json

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{

"name": "Product A",

"association\_id": 1

}

**Response:**

json

CopyEdit

{

"product\_id": 1,

"name": "Product A",

"association\_id": 1

}

### **3.2. Get All Products**

**GET** /api/products

Fetches all products.

**Response:**

json

CopyEdit

[

{

"product\_id": 1,

"name": "Product A",

"association\_id": 1

},

...

]

### **3.3. Get Product by ID**

**GET** /api/products/:id

Fetches a specific product by product\_id.

**Response:**

json

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{

"product\_id": 1,

"name": "Product A",

"association\_id": 1

}

### **3.4. Update Product**

**PUT** /api/products/:id

Updates a specific product.

**Request Body:**

json

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{

"name": "Product A Updated",

"association\_id": 2

}

**Response:**

json

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{

"product\_id": 1,

"name": "Product A Updated",

"association\_id": 2

}

### **3.5. Delete Product**

**DELETE** /api/products/:id

Deletes a product by product\_id.

**Response:**

json

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{

"message": "Product deleted successfully"

}

## **4. Associations APIs**

### **4.1. Create Association**

**POST** /api/associations

Creates a new association.

**Request Body:**

json

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{

"name": "Association A"

}

**Response:**

json

CopyEdit

{

"association\_id": 1,

"name": "Association A"

}

### **4.2. Get All Associations**

**GET** /api/associations

Fetches all associations.

**Response:**

json

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[

{

"association\_id": 1,

"name": "Association A"

},

...

]

### **4.3. Get Association by ID**

**GET** /api/associations/:id

Fetches a specific association by association\_id.

**Response:**

json

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{

"association\_id": 1,

"name": "Association A"

}

### **4.4. Update Association**

**PUT** /api/associations/:id

Updates a specific association.

**Request Body:**

json

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{

"name": "Association A Updated"

}

**Response:**

json

CopyEdit

{

"association\_id": 1,

"name": "Association A Updated"

}

### **4.5. Delete Association**

**DELETE** /api/associations/:id

Deletes a specific association.

**Response:**

json

CopyEdit

{

"message": "Association deleted successfully"

}

## **5. Report Templates APIs**

### **5.1. Create Report Template**

**POST** /api/report-templates

Creates a new report template.

**Request Body:**

json

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{

"name": "Sales Report Template",

"content": "This is the content of the sales report template",

"created\_at": "2025-04-13T12:00:00.000Z"

}

**Response:**

json

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{

"id": 1,

"name": "Sales Report Template",

"content": "This is the content of the sales report template",

"created\_at": "2025-04-13T12:00:00.000Z"

}

### **5.2. Get All Report Templates**

**GET** /api/report-templates

Fetches all report templates.

**Response:**

json

CopyEdit

[

{

"id": 1,

"name": "Sales Report Template",

"content": "This is the content of the sales report template",

"created\_at": "2025-04-13T12:00:00.000Z"

},

...

]

### **5.3. Get Report Template by ID**

**GET** /api/report-templates/:id

Fetches a specific report template by id.

**Response:**

json

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{

"id": 1,

"name": "Sales Report Template",

"content": "This is the content of the sales report template",

"created\_at": "2025-04-13T12:00:00.000Z"

}

### **5.4. Update Report Template**

**PUT** /api/report-templates/:id

Updates a specific report template.

**Request Body:**

json

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{

"name": "Updated Sales Report Template",

"content": "This is the updated content of the sales report template"

}

**Response:**

json

CopyEdit

{

"id": 1,

"name": "Updated Sales Report Template",

"content": "This is the updated content of the sales report template",

"created\_at": "2025-04-13T12:00:00.000Z"

}

### **5.5. Delete Report Template**

**DELETE** /api/report-templates/:id

Deletes a specific report template by id.

**Response:**

json

CopyEdit

{

"message": "Report Template deleted successfully"

}

## **6. Report Logs APIs**

### **6.1. Create Report Log**

**POST** /api/report-logs

Creates a new report log.

**Request Body:**

json

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{

"user\_id": 1,

"template\_id": 1,

"generated\_at": "2025-04-13T13:00:00.000Z"

}

**Response:**

json

CopyEdit

{

"id": 1,

"user\_id": 1,

"template\_id": 1,

"generated\_at": "2025-04-13T13:00:00.000Z"

}

### **6.2. Get All Report Logs**

**GET** /api/report-logs

Fetches all report logs.

**Response:**

json

CopyEdit

[

{

"id": 1,

"user\_id": 1,

"template\_id": 1,

"generated\_at": "2025-04-13T13:00:00.000Z"

},

...

]

### **6.3. Get Report Log by ID**

**GET** /api/report-logs/:id

Fetches a specific report log by id.

**Response:**

json

CopyEdit

{

"id": 1,

"user\_id": 1,

"template\_id": 1,

"generated\_at": "2025-04-13T13:00:00.000Z"

}

### **6.4. Delete Report Log**

**DELETE** /api/report-logs/:id

Deletes a specific report log by id.

**Response:**

json

CopyEdit

{

"message": "Report Log deleted successfully"

}

## **7. Transactions APIs**

### **7.1. Create Transaction**

**POST** /api/transactions

Creates a new transaction.

**Request Body:**

json

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{

"user\_id": 1,

"au\_user\_id": 12,

"action": "create",

"created\_at": "2025-04-13T14:00:00.000Z"

}

**Response:**

json

CopyEdit

{

"id": 1,

"user\_id": 1,

"au\_user\_id": 12,

"action": "create",

"created\_at": "2025-04-13T14:00:00.000Z"

}

### **7.2. Get All Transactions**

**GET** /api/transactions

Fetches all transactions.

**Response:**

json

CopyEdit

[

{

"id": 1,

"user\_id": 1,

"au\_user\_id": 12,

"action": "create",

"created\_at": "2025-04-13T14:00:00.000Z"

},

...

]

### **7.3. Get Transaction by ID**

**GET** /api/transactions/:id

Fetches a specific transaction by id.

**Response:**

json

CopyEdit

{

"id": 1,

"user\_id": 1,

"au\_user\_id": 12,

"action": "create",

"created\_at": "2025-04-13T14:00:00.000Z"

}

### **7.4. Delete Transaction**

**DELETE** /api/transactions/:id

Deletes a specific transaction by id.

**Response:**

json

CopyEdit

{

"message": "Transaction deleted successfully"

}

## **8. Notifications APIs**

### **8.1. Create Notification**

**POST** /api/notifications

Creates a new notification.

**Request Body:**

json

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{

"user\_id": 1,

"message": "New report template created",

"created\_at": "2025-04-13T15:00:00.000Z"

}

**Response:**

json

CopyEdit

{

"id": 1,

"user\_id": 1,

"message": "New report template created",

"created\_at": "2025-04-13T15:00:00.000Z"

}

### **8.2. Get All Notifications**

**GET** /api/notifications

Fetches all notifications.

**Response:**

json

CopyEdit

[

{

"id": 1,

"user\_id": 1,

"message": "New report template created",

"created\_at": "2025-04-13T15:00:00.000Z"

},

...

]

### **8.3. Get Notification by ID**

**GET** /api/notifications/:id

Fetches a specific notification by id.

**Response:**

json

CopyEdit

{

"id": 1,

"user\_id": 1,

"message": "New report template created",

"created\_at": "2025-04-13T15:00:00.000Z"

}

### **8.4. Delete Notification**

**DELETE** /api/notifications/:id

Deletes a specific notification by id.

**Response:**

json

CopyEdit

{

"message": "Notification deleted successfully"

}

## **Summary**

### **1. User APIs**

* Create, Update, Delete, Get All Users, Get User by ID
* Login

### **2. AU User APIs**

* Create, Update, Delete, Get All AU Users, Get AU User by ID
* Get AU Users Created by a Specific User

### **3. Report Templates APIs**

* Create, Update, Delete, Get All Report Templates, Get Report Template by ID

### **4. Report Logs APIs**

* Create, Update, Delete, Get All Report Logs, Get Report Log by ID

### **5. Transactions APIs**

* Create, Update, Delete, Get All Transactions, Get Transaction by ID

### **6. Notifications APIs**

* Create, Update, Delete, Get All Notifications, Get Notification by ID