Asset Finance Management API Documentation

Base URL

http://localhost:5001/api

Authentication

Most endpoints require JWT authentication. Include the JWT token in the Authorization header:

Authorization: Bearer <your_jwt_token>

Endpoints

User Management

1. Register User

- **Endpoint:** /users/register

- **Method:** POST

- **Authentication:** None

- **Request Body:** json

```
{
    "name": "string",
    "email": "string",
    "password": "string"
}
```

- **Description:** Creates a new user account

- **Example Request:**

```
{
    "name": "user5",
    "email": "user5@gmail.com",
    "password": "user5"
}
```

2. Login User

- **Endpoint:** /users/login
- **Method:** POST
- **Authentication:** None
- **Request Body:** json

```json
{
  "email": "string",
  "password": "string"
}
```

- **Description:** Authenticates a user and returns a JWT token

3. Get User Profile

- **Endpoint:** /users/profile
- **Method:** GET
- **Authentication:** Required
- **Description:** Retrieves the current user's profile information

4. Update User Details

- **Endpoint:** /users/profile
- **Method:** PUT
- **Authentication:** Required
- **Description:** Updates the current user's profile information

Finance Applications

1. Add New Finance Application

- **Endpoint:** /finance-applications/createuserapplication

- **Method:** POST

- **Authentication:** Required

- **Description:** Creates a new finance application for the authenticated user

- **Request Body:** json

```
{
  "income": "number",
  "expenses": "number",
  "assets": "number",
  "liabilities": "number",
}
```

2. Get User Applications

- **Endpoint:** /finance-applications

- **Method:** GET

- **Authentication:** Required

- **Description:** Retrieves all finance applications for the authenticated user

3. Update Finance Application

- **Endpoint:** /finance-applications/:applicationId

- **Method:** PUT

- **Authentication:** Required

- **Request Body Example:**

```
{
  "income": "1"
}
```

- **Description:** Updates a specific finance application

- **Parameters:**

  - applicationId: The ID of the finance application to update

4. Delete User Application

- **Endpoint:** /finance-applications/:applicationId

- **Method:** DELETE

- **Authentication:** Required

- **Description:** Deletes a specific finance application

- **Parameters:**

  - applicationId: The ID of the finance application to delete

Error Handling

The API returns appropriate HTTP status codes:

- 200: Success

- 201: Created

- 400: Bad Request

- 401: Unauthorized

- 404: Not Found

- 500: Internal Server Error

Security Notes

1. All sensitive endpoints require JWT authentication

2. Tokens expire after a set duration

3. Passwords are securely hashed before storage

4. Only authenticated users can access their own finance applications