AUTHENTICATION & USER MANAGEMENT

POST /auth/register

Register a new user.

Request Body

```
{
  "name": "John Doe",
  "age": 22,
  "username": "johnd",
  "email": "john@gmail.com",
  "password": "password123"
}
```

Response (201)

```
{
  "token": "<jwt_token>",
  "user": {
    "id": "6742d9d3a112d53b96e22b9a",
    "name": "John Doe",
    "email": "john@gmail.com"
  }
}
```

Errors

Code	Message
400	User already exists
500	Server error

POST /auth/login

Login with email and password.

Request Body

```
{
  "email": "john@gmail.com",
  "password": "password123"
}
```

Response (200)

```
{
  "token": "<jwt_token>",
  "user": {
    "id": "6742d9d3a112d53b96e22b9a",
    "name": "John Doe",
    "email": "john@gmail.com",
    "age": 22,
    "username": "johnd",
    "avatar": "https://..."
  }
}
```

Errors

Code	Message
400	Invalid email or password
500	Server error

GET /auth/profile

Fetch logged-in user's details.
Auth Required

Headers

Authorization: Bearer <jwt_token>

Response (200)

```
{

  "id": "6742d9d3a112d53b96e22b9a",

  "name": "John Doe",

  "email": "john@gmail.com",

  "username": "johnd",

  "age": 22,

  "balance": 12000,

  "avatar": "https://..."

}
```

Errors

Code	Message
404	User not found
500	Error retrieving user details!

PUT /auth/profile

Update user profile.
Auth Required

Request Body

```
{

  "name": "Johnny",

  "username": "johnnyd",

  "email": "johnny@gmail.com",

  "age": 23,

  "avatar": "https://...",

  "password": "newpassword123"

}
```

Response (200)

```
{
```

```
  "message": "Profile updated successfully",

 "user": {

   "id": "6742d9d3a112d53b96e22b9a",

   "name": "Johnny",

   "email": "johnny@gmail.com",

   "username": "johnnyd",

   "age": 23,

   "avatar": "https://..."

 }

}
```

DELETE /auth/profile

Delete logged-in user account.

Auth Required

Response (200)

{ "message": "User deleted successfully" }

Errors

Code	Message
404	User not found
500	Error deleting user!

POST /auth/forgot-password

Send password reset email.

Request Body

{ "email": "john@gmail.com" }

Response (200)

{ "message": "Password reset link sent to your email." }

Errors

Code Message

404   Could not find a user with this email

500   Forgot password failed

GET /auth/reset-password/:id/:token

Verify reset token validity.

Response (200)

{ "email": "john@gmail.com" }

Errors

Code Message

404   User not found

500   Invalid or expired token

POST /auth/confirm-password/:id/:token

Reset password.

Request Body

{ "password": "newPassword123" }

Response (200)

{ "message": "Password updated successfully." }

QUIZ & REWARDS

POST /quiz/convert-points

Convert quiz points to wallet balance.
Auth Required

Request Body

{ "pointsToConvert": 10 }

Response (200)

```
{

  "balance": 1000,

  "message": "Points converted successfully!"

}
```

Errors

Code Message

404   User not found

400   Invalid request

GET /quiz/info

Fetch user quiz info, points, and rank.
Auth Required

Response (200)

```
{

  "points": 150,

  "balance": 12000,

  "userRank": 4,

  "message": "User quiz info retrieved successfully!"

}
```

Errors

Code Message

404   User not found

400   Error fetching data

GET /quiz/leaderboard

Get leaderboard (sorted by points).

Response (200)

```
{
  "ranking": [
    { "username": "johnnyd", "points": 250 },
    { "username": "virag", "points": 200 }
  ],
  "message": "Leader Board retrieved successfully!"
}
```

TRANSACTIONS

GET /transactions

Get transaction history of logged-in user.
Auth Required

Response (200)

```
{
  "transactions": [
    {
      "_id": "6742ebd0a112d53b96e22e0a",
      "stockName": "AAPL",
      "transactionType": "Buy",
      "quantity": 5,
      "pricePerShare": "150.00",
      "totalTransactionValue": "750.00",
      "dateTime": "2025-11-13, 12:30:00"
    }
  ]
}
```

Errors

Code Message

404   No transactions found

500   Server error

GET /transactions/stock-balance?ticker=AAPL

Check total shares owned of a specific stock.
Auth Required

Response (200)

{

  "stock": "AAPL",

  "totalQuantity": 15

}

Errors

Code Message

400   No stock ticker provided

200   You do not own this stock

POST /transactions

Add a new buy/sell transaction.
Auth Required

Request Body

{

  "stockName": "AAPL",

  "transactionType": "Buy",

  "quantity": 5,

  "pricePerShare": 150

}

Response (200)

```
{
  "transaction": {

    "stockName": "AAPL",

    "transactionType": "Buy",

    "quantity": 5,

    "pricePerShare": 150,

    "totalTransactionValue": 750

  },

  "updatedBalance": 4250

}
```

Errors

Code Message

400   Insufficient balance for this transaction

400   Invalid transaction type

404   User not found

500   Error creating transaction

PORTFOLIO

GET /portfolio

Get the user's portfolio summary (aggregated holdings).
Auth Required

Response (200)

```
[

 {

   "stockName": "AAPL",

   "totalQuantity": 10,

   "totalInvested": 1500,

   "avgPurchasePrice": 150.00,
```

```
    "currentStockPrice": 153.40,

    "gainLossPercentage": 2.26,

    "totalPortfolioValue": 1530.00

  },

  {

    "stockName": "TSLA",

    "totalQuantity": 4,

    "totalInvested": 2800,

    "avgPurchasePrice": 700.00,

    "currentStockPrice": 710.00,

    "gainLossPercentage": 1.42,

    "totalPortfolioValue": 2840.00

  }

]
```

Errors

Code Message

500   Failed to fetch portfolio data