

# TradeSync API Documentation

Base URL: <http://localhost:5000/api>

## Authentication

### 1. Register User

Creates a new user account and returns a JWT token.

- **Endpoint:** POST /auth/register
- **Body (JSON):**

```
{  
    "fullName": "John Doe",  
    "email": "john@example.com",  
    "password": "password123"  
}
```

- **Success Response (200 OK):**

```
{  
    "token": "eyJhbGciOiJIUzI1NiIsIn...",  
    "user": {  
        "id": "60d0fe4f5311236168a109ca",  
        "fullName": "John Doe",  
        "email": "john@example.com"  
    }  
}
```

### 2. Login User

Authenticates a user and returns a JWT token.

- **Endpoint:** POST /auth/login
- **Body (JSON):**

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

- **Success Response (200 OK):**

```
{  
  "token": "eyJhbGciOiJIUzI1NiIsIn...","  
  "user": { ... }  
}
```

### 3. Get Current User

Fetches the profile of the currently logged-in user.

- **Endpoint:** GET /auth/user
- **Headers:**
  - x-auth-token : <Your JWT Token>
- **Success Response (200 OK):**

```
{  
  "_id": "60d0fe4f5311236168a109ca",  
  "fullName": "John Doe",  
  "email": "john@example.com",  
  "date": "2023-10-27T10:00:00.000Z"  
}
```

## Trading Notes (Dashboard)

**Note:** All endpoints below require the x-auth-token header.

### 4. Get All Notes

Retrieves all trading notes for the authenticated user, sorted by newest first.

- **Endpoint:** GET /notes
- **Headers:**
  - x-auth-token : <Your JWT Token>
- **Success Response (200 OK):**

```
[  
  {  
    "_id": "653b8e12...",  
    "user": "60d0fe4f...",  
    "ticker": "BTC",  
    "entryPrice": 35000,  
    "positionType": "Long",  
    "note": "Bullish divergence on 4h timeframe.",  
    "date": "2023-10-27T12:00:00.000Z"  
  }
```

]

## 5. Create New Note

Adds a new trading journal entry.

- **Endpoint:** POST /notes
- **Headers:**
  - x-auth-token : <Your JWT Token>
- **Body (JSON):**

```
{  
    "ticker": "ETH",  
    "entryPrice": 1800,  
    "positionType": "Short",  
    "note": "Resistance at 1850 rejected."  
}
```

- **Success Response (200 OK):** Returns the created note object.

## 6. Update Note

Updates an existing note by ID.

- **Endpoint:** PUT /notes/:id
- **Headers:**
  - x-auth-token : <Your JWT Token>
- **Body (JSON):**

```
{  
    "note": "Updated note: Stop loss hit."  
}
```

- **Success Response (200 OK):** Returns the updated note object.

## 7. Delete Note

Deletes a specific note by ID.

- **Endpoint:** DELETE /notes/:id
- **Headers:**
  - x-auth-token : <Your JWT Token>
- **Success Response (200 OK):**

```
{  
    "msg": "Note removed"  
}
```