

API Documentation

Account Controller

Get User Currency Data

- **Endpoint:** `api/accounts`
- **Method:** POST
- **Description:** Check the logged-in user's currency data.
 - If logged in, pass the currency (e.g., BTC) in the request body to retrieve the user's holdings for that currency.
 - If not logged in, an "Unauthorized" error will be thrown.

Admin Controller

Create User

- **Endpoint:** `api/admin/createUser`
- **Method:** POST
- **Description:** Create a new user on the exchange.
 - **Parameters:**
 - `username` (string): Username of the new user.
 - `password` (string): Password for the new user.
 - If the user exists, return the user data; otherwise, create a new user and return the created user data response.
 - **Authorization:** Only accessible by admin.

Add Funds to User

- **Endpoint:** `api/admin/addFunds`
- **Method:** POST
- **Description:** Add funds to a specific user using their user ID.
 - **Parameters:**
 - `userId` (string): ID of the user to add funds to.
 - `currency` (string): Currency to add funds (e.g., BTC).
 - `amount` (float): Amount to add to the user's funds.
 - It will override the user's fund data.
 - **Authorization:** Only accessible by admin.

Add New Pair to Exchange

- **Endpoint:** `api/admin/addNewPair`
- **Method:** POST
- **Description:** Add a new pair to a running exchange.
 - **Parameters:**
 - `baseCurrency` (string): Base currency of the new pair.
 - `quoteCurrency` (string): Quote currency of the new pair.
 - **Authorization:** Only accessible by admin.

Code Controller

Get Code on Signup

- **Endpoint:** `api/codes`
- **Method:** GET
- **Description:** Get the code (e.g., mobile OTP) when a user signs up.
 - **Modification and Enhancements:** Further modifications and enhancements are needed.

Config Controller

Get Configurations

- **Endpoint:** `/configs`
- **Method:** GET
- **Description:** Retrieve configurations.
 - **Note:** Nothing is implemented inside this API.

Product Controller

Get Pairs Details

- **Endpoint:** `/api/products`
- **Method:** GET
- **Description:** Get details of pairs currently running on the exchange.

Get Last 50 Trades

- **Endpoint:** `/api/products/{productId}/trades`
- **Method:** GET
- **Description:** Get the last 50 trades of a specified pair.
 - **Parameters:**
 - `{productId}` (string): ID of the product/pair.

Get Candles Data

- **Endpoint:** `/api/products/{productId}/candles`
- **Method:** GET
- **Description:** To be implemented.

Get Book Data

- **Endpoint:** `/api/products/{productId}/book`
- **Method:** GET
- **Description:** To be implemented.

User Controller

Get Logged-in User Details

- **Endpoint:** `api/users/self`
- **Method:** GET
- **Description:** Get details of the logged-in user.

Update User Data

- **Endpoint:** `api/users/self`
- **Method:** PUT
- **Description:** Update user data.
 - **Note:** User must be logged in.

User Registration

- **Endpoint:** `api/users`
- **Method:** POST
- **Description:** Register a new user and recharge their account with BTC, ETH, USDT.

Get Access Token

- **Endpoint:** `api/users/accessToken`
- **Method:** POST
- **Description:** Get the access token by providing the username and password in the request body.

Delete Access Token

- **Endpoint:** `api/users/accessToken`
- **Method:** DELETE
- **Description:** Delete the access token generated in the above API call.