

API Reference

Binamite

Updated On

19th January 2022

Overview

A payment channel between freelancers and businesses such that invoices can be paid for in proportions given by the freelancer.



Technologies:

API: Express JS

Tests: MochaJS, Superset

Email API: SendGrid

Payment API: Wyre



References

Authentication Endpoints

A] Google Authentication

Name: Google Auth - Email Verification

EndPoint: <http://localhost:4000/auth/verifyEmailGoogleAuth>

Description: The Endpoint verifies the Email using GoogleAPIs

Request Body: TokenId

Response Body: Email, Name

Name: Google Auth - Google Signup

EndPoint: <http://localhost:4000/auth/googleSignup>

Description: The Endpoint Signs up a user (Freelancer/ Business) and stores their data in the respective table in the database.

Request Body: Role, Name, Email

Response Body: Success/Failure message

Name: Google Auth - Google Signin

EndPoint: <http://localhost:4000/auth/googleLogin>

Description: The Endpoint Signs in a Registered user (Freelancer/ Business)

Request Body: TokenId

Response Body: Success/Failure message

B] Traditional Authentication

Name: Email Verification

EndPoint: <http://localhost:4000/auth/emailverification>

Description: The Endpoint verifies the Email of the user(Freelancer/ Business) by sending an OTP to the given email.

Request Body: Name, Email, Password

Response Body: Expires, FullHash, Name, Email, Password, OTP

Notes:

- OTP: One Time Password that is 4 Digit
- FullHash:

```
data = `${email}.${name}.${password}.${otp}.${expires}`;
hash = crypto
      .createHmac("sha256", process.env.HASHKEY)
      .update(data)
      .digest("hex");
fullHash = `${hash}.${expires}`;
```

Name: OTP Verification

EndPoint: <http://localhost:4000/auth/verifyOtp>

Description: The Endpoint compares the OTP with the OTP entered by the user and if they match, the user is asked for the role in the next step.

Request Body: Name, Email, Password, Otp, Hash

Response Body: Success/Failure message

Name: Sign Up

EndPoint: <http://localhost:4000/auth/googleSignup>

Description: The Endpoint Signs up a user (Freelancer/ Business) and stores their data in the respective table in the database.

Request Body: Name, Email, Password, Role

Response Body: Success/Failure message

Name: Sign In

EndPoint: <http://localhost:4000/auth/signin>

Description: The Endpoint Signs in a user (Freelancer/ Business).

Request Body: Email, Password

Response Body: Success/Failure message

Name: Refresh Tokens

EndPoint: <http://localhost:4000/auth/refresh>

Description: The Endpoint creates new refresh tokens and sends them to the frontend.

Request Body: req.cookies.refreshToken (Refresh Token)

Response Body: previousSessionExpiry: true, success: true

Name: Forgot Password

EndPoint: <http://localhost:4000/auth/forgotpassword>

Description: The Endpoint sends a password reset link to the email as specified by the user.

Request Body: Email

Response Body: Link, Email

Name: Password Reset

EndPoint: <http://localhost:4000/auth/passwordreset>

Description: The Endpoint will redirect the user to the password reset page where the user can enter the new password and update it to the database

Request Body: Email, Password

Response Body: Success/Failure message

Name: Get User Profile

EndPoint: <http://localhost:4000/auth/getUserProfile>

Description: The Endpoint gets users (Freelancer/ Business) information as stored in the database.

Request Body: Email

Response Body: Success/Failure message

Name: Update Profile

EndPoint: <http://localhost:4000/auth/updateProfile>

Description: The Endpoint updates the users (Freelancer/ Business) profile details.

Request Body: email, address, city, state, zipCode, country, taxId, bitcoin, ethereum

Response Body: Success/Failure message

Name: Logout

EndPoint: <http://localhost:4000/auth/logout>

Description: The Endpoint logs out the user (Freelancer/ Business) by detecting all the cookies in the backend and frontend.

Request Body: Destroys cookies

Response Body: Success/Failure message

Invoice Endpoints

Name: Create Invoice

EndPoint: <http://localhost:4000/invoice/invoiceCreation>

Description: The Endpoint creates an invoice for the Business.

Request Body: invoiceTitle, businessEmail, freelancerEmail, freelancerName, businessName, ETH, BTC, FIAT, item, memo, creationDate, dueDate, pdfFile, invoiceId

Response Body: encryptedClientId

Name: Get Invoice Information

EndPoint: <http://localhost:4000/invoice/getInvoiceInfo>

Description: The Endpoint gets invoice information from the database using the unique invoice ID.

Request Body: invoiceId

Response Body: Invoice Information

Name: Get All Freelancer/ Business Invoices

EndPoint: <http://localhost:4000/invoice/invoiceCreation>

Description: The Endpoint gets all invoices related to a user (Freelancer/ Business).

Request Body: email, role

Response Body: Invoices

Name: Update Invoice Status (cancel, resolve, paid)

EndPoint: <http://localhost:4000/invoice/updateInvoiceStatus>

Description: The Endpoint updates invoice status (cancel, resolve, paid).

Request Body: email, name, status, invoiceld

Response Body: Success/Failure message




Name: Update Invoice Particulars (Invoice Items)

EndPoint: <http://localhost:4000/invoice/updateInvoiceParticulars>

Description: The Endpoint updates details related to items in the invoice.

Request Body: invoice ID, items

Response Body: Success/Failure message



Wyre Transfer Endpoints

Name: External Transfer (transfer crypto from wyre wallet to freelancer's external wallet)

EndPoint: <http://localhost:4000/wyre-transfer/externalTransfer>

Description: The Endpoint

Request Body: currency

Response Body: data

Name: Get Transfer(get transfer info using transferId)

EndPoint: <http://localhost:4000/wyre-transfer/externalTransfer>

Description: The Endpoint

Request Body: invoiceId

Response Body: data

Name: Get Wallet Info

EndPoint: <http://localhost:4000/wyre-transfer/externalTransfer>

Description: The Endpoint

Request Body: user

Response Body: data

Name: Create Wallet

EndPoint: <http://localhost:4000/wyre-general/createWallet>

Description: The Endpoint

Request Body: user

Response Body: data

Name: Get freelancer Account Balance

EndPoint: <http://localhost:4000/wyre-general/getFreelancerBalance>

Description: The Endpoint

Request Body: user

Response Body: data

