

TAXLATOR BACKEND API DOCUMENTATION

This document contains all available backend API endpoints for the Taxlator project.

BASE URL

<https://gov-taxlator-api.onrender.com>

API DOCUMENTATION

https://gov-taxlator-api.onrender.com/docs/API_DOCUMENTATION.pdf

HEALTH CHECK

Used to confirm that the backend service is running.

Method	Endpoint	Description
GET	/health	Confirms the API is live

AUTHENTICATION ENDPOINTS

SIGNUP

Register a new user. A 6-digit verification code is sent to the user's email. User must verify their email before calculation records can be saved.

Method	Endpoint	Description
POST	/api/auth/signup	Create a new user

VERIFY EMAIL

Verify a user's email using the code sent at signup.

Method	Endpoint	Description
POST	/api/auth/verifyEmail	Verify email with code

SEND VERIFICATION CODE

Send a new verification code if the previous code expired or was lost.

Method	Endpoint	Description
POST	/api/auth/sendVerificationCode	Send verification code

SIGN-IN

Authenticate an existing verified user and return a JWT. Only verified users can sign-in successfully.

Method	Endpoint	Description
POST	/api/auth/signin	Signin an existing user

CHANGE PASSWORD

Allows a logged-in user to change their password. Requires JWT authentication.

Method	Endpoint	Description
POST	/api/auth/changePassword	Change password

FORGOT PASSWORD

Sends a password reset code to the user's email.

Method	Endpoint	Description
POST	/api/auth/forgotPassword	forgot password

RESET PASSWORD

Resets a user's password using the reset code sent to email.

Method	Endpoint	Description
POST	/api/auth/resetPassword	reset password

SIGN-OUT

Clear authentication cookie and logout.

Method	Endpoint	Description
GET/POST	/api/auth/signout	Signout user

CALCULATION ENDPOINTS 💰

Both Tax and VAT endpoints are dual-purpose:

1. Public users can calculate without signing up (records will not be saved).
2. Verified users can calculate and their results will be saved to their history.

TAX

Method	Endpoint	Description	Note
POST	/api/tax/calculate	Calculator endpoint	if user is valid, record is saved

VAT

Method	Endpoint	Description	Note
POST	/api/vat/calculate	Calculator endpoint	if user is valid, record is saved

STATUS CODES ⚠

- 200 – Successs
- 201 – Successs / new resource created
- 400 – Bad request / validation error
- 401 – Unauthorized / invalid token
- 403 – Forbidden / email not verified
- 404 – Resource not found
- 500 – Server error