

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. Users 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

SIGNIN

Authenticate an existing verified user and return a JWT. Only verified users can signin successfully.

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

SEND VERIFICATION CODE

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

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

SIGNOUT

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 ⚠️

- 400 – Bad request / validation error
- 401 – Unauthorized / invalid token
- 403 – Forbidden / email not verified
- 404 – Resource not found
- 500 – Server error