API specification

openapi: 3.0.0

info:

title: Combined API Services

description: |

API documentation for:

- FastAPI service (Product/Outlet information with RAG)

- Flask service (Calculator functionality)

version: 1.0.0

servers:

- url: http://localhost:8000

description: FastAPI service

- url: http://localhost:5000

description: Flask service

paths:

# FastAPI Endpoints

/:

get:

summary: Health check

description: Verify API connectivity

responses:

'200':

description: API is running

content:

application/json:

example:

message: "API connected"

/products:

get:

summary: Search drinkware products

description: Uses RAG to find product information

parameters:

- in: query

name: query

required: true

schema:

type: string

description: User question about drinkware products

responses:

'200':

description: Successful product search

content:

application/json:

schema:

type: object

properties:

query:

type: string

retrieved:

type: array

items:

type: string

summary:

type: string

'400':

description: Invalid request

'500':

description: Internal server error

/outlets:

get:

summary: Search outlet information

description: Uses SQL generation to find outlet details

parameters:

- in: query

name: query

required: true

schema:

type: string

description: User question about outlets

- in: query

name: max\_results

schema:

type: integer

minimum: 1

maximum: 50

description: Maximum number of results to return

responses:

'200':

description: Successful outlet search

content:

application/json:

schema:

type: object

properties:

outlets:

type: array

items:

type: object

properties:

id:

type: integer

location:

type: string

hours:

type: string

address:

type: string

'400':

description: Invalid request

'500':

description: Internal server error

# Flask Endpoints

/calculate:

post:

summary: Perform arithmetic calculation

description: Basic calculator with four operations

requestBody:

required: true

content:

application/json:

schema:

type: object

required:

- num1

- num2

- arith\_operation

properties:

num1:

type: number

description: First operand

num2:

type: number

description: Second operand

arith\_operation:

type: string

enum: [add, '+', subtract, '-', multiply, '\*', 'x', divide, '/']

description: Arithmetic operation to perform

responses:

'200':

description: Successful calculation

content:

application/json:

schema:

type: object

properties:

result:

type: number

'400':

description: Invalid input or operation

content:

application/json:

schema:

type: object

properties:

error:

type: string