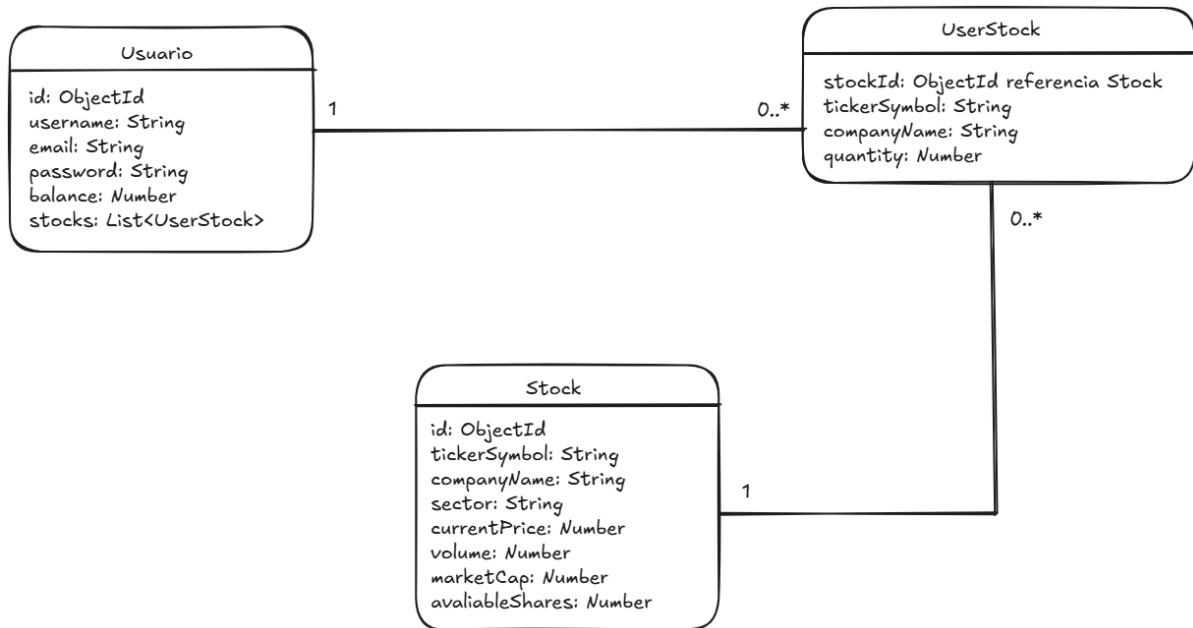
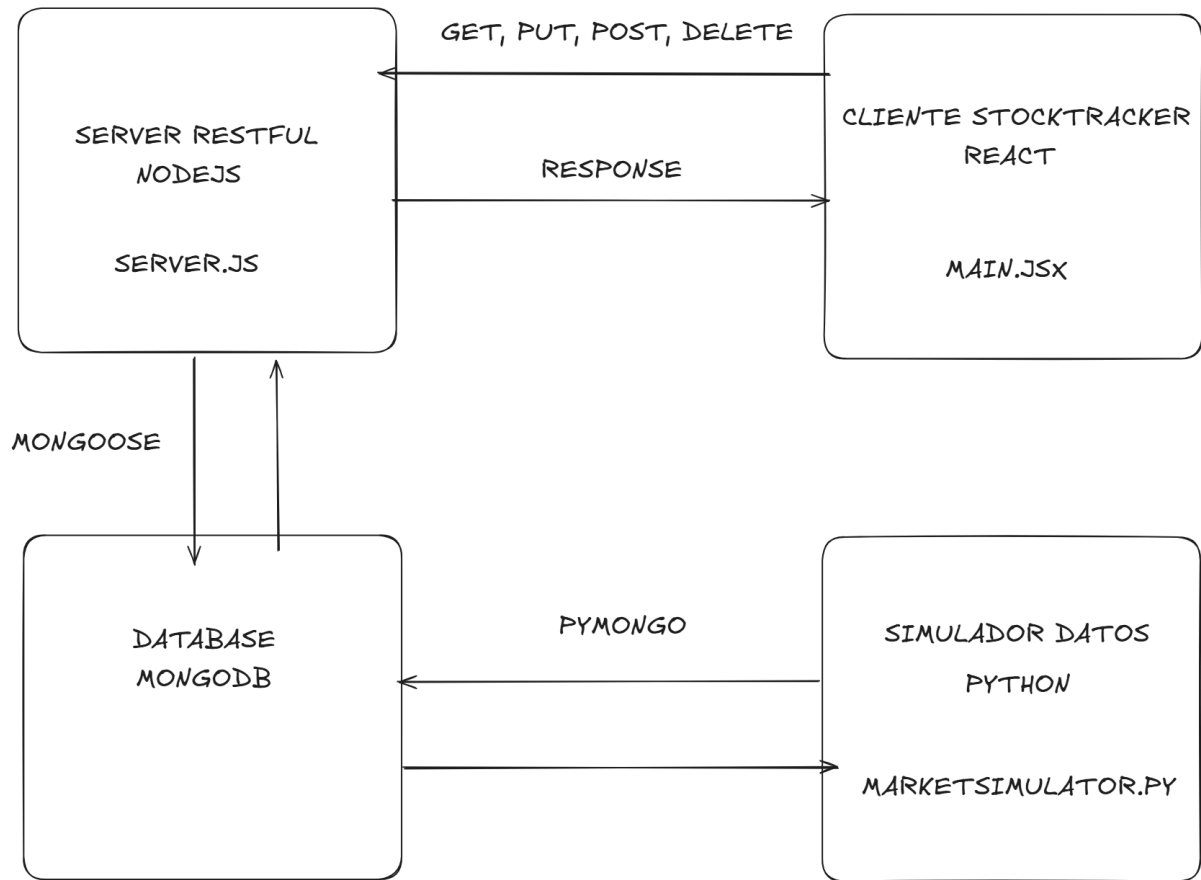


UML



MÒDULS



RUTES

JavaScript

openapi: 3.0.3

info:

title: StockTracker API

description: API para gestionar usuarios y acciones en StockTracker.

version: 1.0.0

servers:

- url: http://localhost:5000

tags:

- name: user

description: Operaciones relacionadas con usuarios

- name: stock

description: Operaciones relacionadas con acciones

paths:

/api/users/register:

post:

tags:

- user

summary: Registrar un nuevo usuario

requestBody:

description: Datos del usuario a registrar

required: true

content:

application/json:

schema:

\$ref: '#/components/schemas/User'

responses:

'201':

description: Usuario registrado con éxito

content:

application/json:

schema:

\$ref: '#/components/schemas/UserResponse'

'400':

description: Error al registrar usuario

/api/users/login:

post:

tags:

- user

summary: Iniciar sesión de usuario

```
requestBody:
  description: Credenciales del usuario
  required: true
  content:
    application/json:
      schema:
        $ref: '#/components/schemas/Login'
responses:
  '200':
    description: Inicio de sesión exitoso
    content:
      application/json:
        schema:
          $ref: '#/components/schemas/LoginResponse'
  '401':
    description: Credenciales inválidas

/api/users/profile:
  get:
    tags:
      - user
    summary: Obtener perfil del usuario autenticado
    security:
      - bearerAuth: []
    responses:
      '200':
        description: Perfil del usuario
        content:
          application/json:
            schema:
              $ref: '#/components/schemas/User'
      '401':
        description: No autorizado

/api/users/buyStock:
  post:
    tags:
      - user
    summary: Comprar acciones
    security:
      - bearerAuth: []
    requestBody:
      description: Datos de la compra de acciones
      required: true
      content:
        application/json:
          schema:
            $ref: '#/components/schemas/BuySellStock'
```

```

    responses:
      '200':
        description: Acciones compradas exitosamente
      '400':
        description: Error al comprar acciones
      '401':
        description: No autorizado

/api/users/sellStock:
  post:
    tags:
      - user
    summary: Vender acciones
    security:
      - bearerAuth: []
    requestBody:
      description: Datos de la venta de acciones
      required: true
      content:
        application/json:
          schema:
            $ref: '#/components/schemas/BuySellStock'
    responses:
      '200':
        description: Acciones vendidas exitosamente
      '400':
        description: Error al vender acciones
      '401':
        description: No autorizado

/api/stocks:
  get:
    tags:
      - stock
    summary: Obtener todas las acciones
    responses:
      '200':
        description: Lista de acciones
        content:
          application/json:
            schema:
              type: array
              items:
                $ref: '#/components/schemas/Stock'
      '500':
        description: Error al obtener las acciones

  post:

```

```
tags:
  - stock
summary: Crear una nueva acción
requestBody:
  description: Datos de la nueva acción
  required: true
  content:
    application/json:
      schema:
        $ref: '#/components/schemas/Stock'
responses:
  '201':
    description: Acción creada exitosamente
    content:
      application/json:
        schema:
          $ref: '#/components/schemas/Stock'
  '400':
    description: Error al crear la acción

/api/stocks/{id}:
get:
  tags:
    - stock
  summary: Obtener una acción por ID
  parameters:
    - name: id
      in: path
      required: true
      schema:
        type: string
  responses:
    '200':
      description: Acción encontrada
      content:
        application/json:
          schema:
            $ref: '#/components/schemas/Stock'
    '404':
      description: Acción no encontrada
    '500':
      description: Error al obtener la acción

put:
  tags:
    - stock
  summary: Actualizar una acción existente
  parameters:
```

```

    - name: id
      in: path
      required: true
      schema:
        type: string
  requestBody:
    description: Datos de la acción a actualizar
    required: true
    content:
      application/json:
        schema:
          $ref: '#/components/schemas/Stock'
  responses:
    '200':
      description: Acción actualizada exitosamente
      content:
        application/json:
          schema:
            $ref: '#/components/schemas/Stock'
    '400':
      description: Error al actualizar la acción
    '404':
      description: Acción no encontrada

delete:
  tags:
    - stock
  summary: Eliminar una acción por ID
  parameters:
    - name: id
      in: path
      required: true
      schema:
        type: string
  responses:
    '200':
      description: Acción eliminada exitosamente
    '404':
      description: Acción no encontrada
    '500':
      description: Error al eliminar la acción

components:
  schemas:
    User:
      type: object
      properties:
        username:

```

```
    type: string
  email:
    type: string
  password:
    type: string
  balance:
    type: number
  stocks:
    type: array
    items:
      $ref: '#/components/schemas/UserStock'
```

```
UserStock:
  type: object
  properties:
    stockId:
      type: string
    tickerSymbol:
      type: string
    companyName:
      type: string
    quantity:
      type: number
```

```
UserResponse:
  type: object
  properties:
    message:
      type: string
    token:
      type: string
    user:
      $ref: '#/components/schemas/User'
```

```
Login:
  type: object
  properties:
    email:
      type: string
    password:
      type: string
```

```
LoginResponse:
  type: object
  properties:
    message:
      type: string
    token:
```



```
    type: string

BuySellStock:
  type: object
  properties:
    stockId:
      type: string
    quantity:
      type: number

Stock:
  type: object
  properties:
    tickerSymbol:
      type: string
    companyName:
      type: string
    sector:
      type: string
    currentPrice:
      type: number
    volume:
      type: number
    marketCap:
      type: number
    availableShares:
      type: number

securitySchemes:
  bearerAuth:
    type: http
    scheme: bearer
    bearerFormat: JWT
```