

UpdateUser

Overview

This API allows updating the details of an existing user in the system. This operation is identified by the user id on the URL and receives the new data from the body of the request.

The system will:

1. Validate the input data (format, required fields) using UpdateUserCommandValidator.
2. Find the user in the database.
3. If not found, return a 404 error.
4. If found, update the user information (PII data will be automatically encrypted by UserRepository).
5. Save the changes and return a success message.

API Specification

| API | URL |
|------------|----------------|
| PUT | /api/user/{id} |
| Permission | N/A |

Request sample

Path Parameter

| Parameter | Description | Data Type | Examples |
|-----------|---|-----------|--------------------------------------|
| id | The unique ID (GUID) of the user to update. | guid | a1b2c3d4-e5f6-7890-1234-567890abcdef |

Request Body (JSON)

```
{  
    "fullName": "Nguyen Van Binh",  
    "dateOfBirth": "1990-01-20",  
    "age": 35,  
    "gender": "Male",  
    "address": "123 Đường ABC, Quận 1, TP. HCM",  
    "email": "binh.nguyen@example.com",  
    "phoneNumber": "0912345678"  
}
```

| Field | Description | Data Type | Examples |
|-----------------|--|-----------|-------------------------|
| fullName | fullName | string | Nguyen Van Binh |
| dateOfBirth | Date of birth. | datetime | 1990-01-20 |
| age | age | integer | 35 |
| gender | Gender. Only accept 'male' or 'female' (case-insensitive) | string | Male |
| address | address | string | 123 Đường ABC, Q.1 |
| email | Email address (must be a valid email format). | string | binh.nguyen@example.com |
| phoneNumb er | Phone number (must be a valid Vietnamese phone number, e.g. 0912345678). | string | 0912345678 |

Response sample

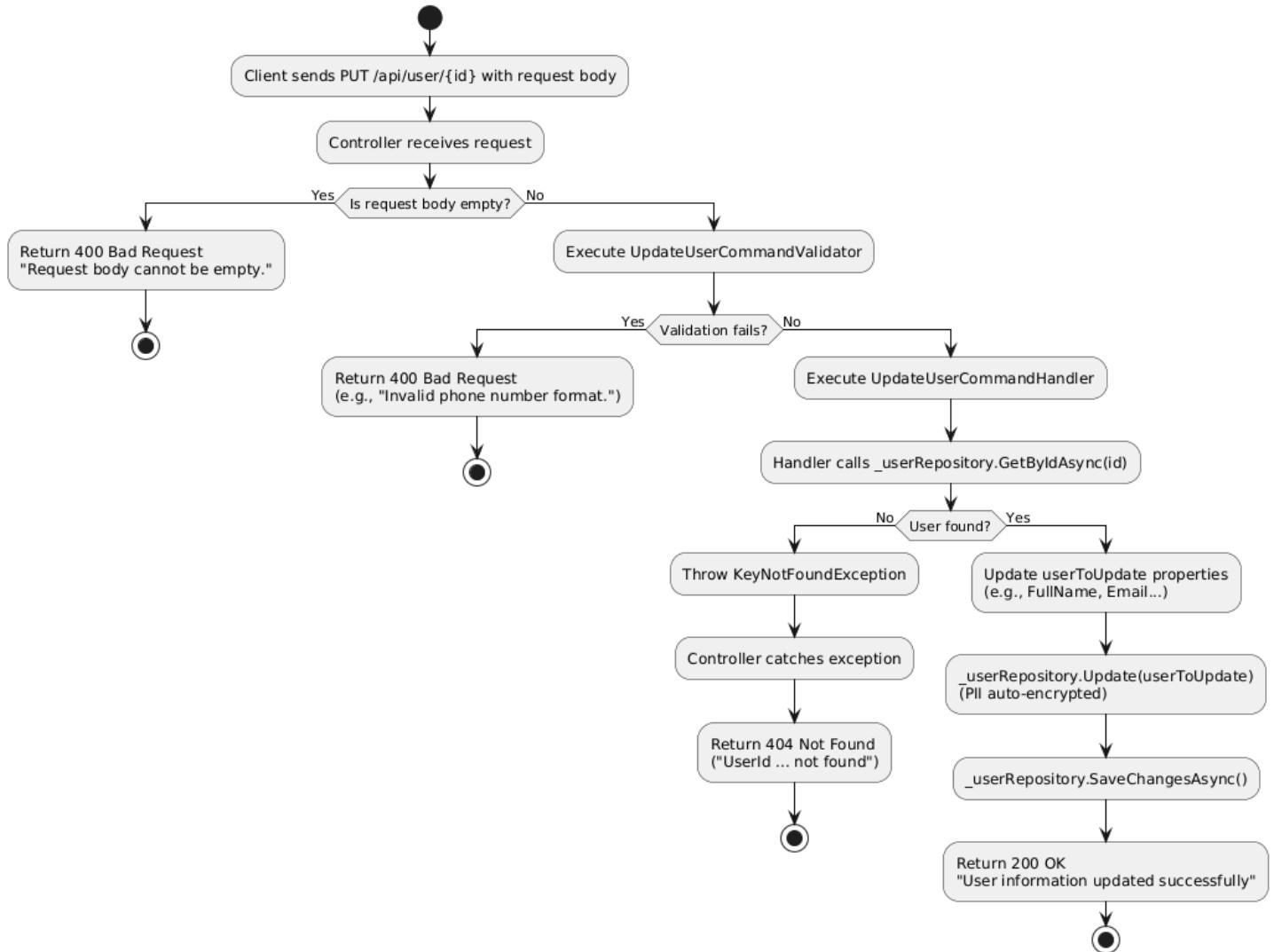
```
{  
  "statusCode": 200,  
  "message": "User information updated successfully",  
  "data": null,  
  "respondedAt": "2023-10-28T11:10:00.123Z"  
}
```

Validation

| Status code | Description | Examples |
|-------------|---|---|
| 400 | Error: Request body is empty (checked by Controller). | { "statusCode": 400, "message": "Request body cannot be empty.", ...} |
| 400 | Error: Format (from Validator). | { "statusCode": 400, "message": "Full name is required.", ...} |

| | | |
|-----|--|--|
| 400 | Error: Format (from Validator). | <pre>{ "statusCode": 400, "message": "A valid email address is required.", ... }</pre> |
| 400 | Error: Format (from Validator). | <pre>{ "statusCode": 400, "message": "Invalid phone number format.", ... }</pre> |
| 400 | Error: Format (from Validator). | <pre>{ "statusCode": 400, "message": "Gender must be 'male' or 'female'.", ... }</pre> |
| 404 | Error: Logic (from Handler). UserId not found in database. | <pre>{ "statusCode": 404, "message": "UserId a1b2c3... not found", ... }</pre> |

Activity Diagram



Sequence Diagram

