

# 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
phoneNumber	Phone number (must be a valid Vietnamese phone number, e.g. 0912345678).	string	0912345678

# Response sample

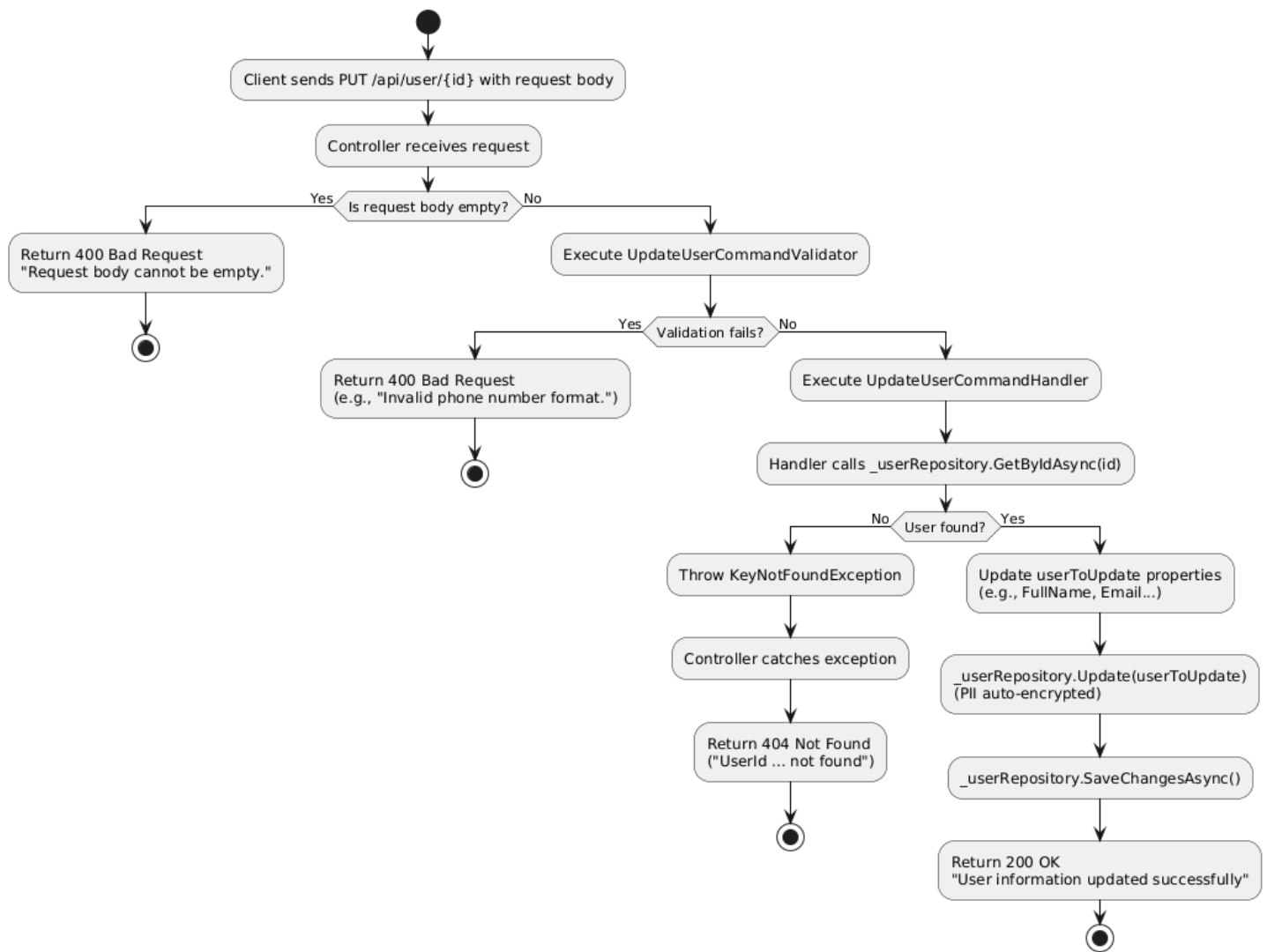
```
{
  "statusCode": 200,
  "message": "User information updated successfully",
  "data": null,
  "respondedAt": "2023-10-28T11:10:00.123Z"
}
```

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

## Activity Diagram



## Sequence Diagram

