

## Zenofy - Task 2

### User Onboarding

#### How to run the application

1. Make sure you have JDK 17 and Maven installed
2. Clone the github repo and navigate to the new folder

```
git clone https://github.com/dhruvgupta-20104/zenofy-task-2-user-onboarding.git  
cd zenofy-task-2-user-onboarding
```

3. Build the application

```
mvn clean install
```

4. Run the application

```
mvn spring-boot:run
```

5. The application will start on the local host port: 8080
6. Use Postman to test the APIs.
7. Use Basic Authorization:
  - Set the **username** as user.
  - The **password** is dynamically generated and displayed in the console where the application is running. Check the application logs to find the generated password.

## 1. Signup Functionality

Method: Post

URL: <http://localhost:8080/signup>

The screenshot shows a REST client interface with the following details:

- Method:** POST
- URL:** <http://localhost:8080/signup>
- Body:** A JSON object with the following fields:

```
1 {
2   "name": "Dhruv Gupta",
3   "email": "sampleemail@gmail.com",
4   "password": "testpassword"
5 }
```
- Response:** 200 OK, 437 ms, 503 B. The response body is:

```
1 Sign up successful User(id=1, email=sampleemail@gmail.com,
   password=$2a$10$7YAzUtHwdUP1ulxb3l5gPuo@INnNGq.NiGpj//vzkyX80Y1IMWk6q, userName=Dhruv Gupta,
   resetToken=null)
```

- The API will give a Bad Request error if any fields are missing.
- I have hashed the password for a more secure purpose.

## 2. SignIn Functionality

Method: Post

URL: <http://localhost:8080/signin>

POST http://localhost:8080/signin

Params Authorization Headers (8) Body Scripts Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "email": "sampleemail@gmail.com",
3   "password": "testpassword"
4 }
```

Body Cookies Headers (11) Test Results 200 OK • 1.17 s • 371 B • Sign in successful. Hello Dhruv Gupta

- The API will give an unauthorized error if the password doesn't match.

POST http://localhost:8080/signin

Params Authorization Headers (8) Body Scripts Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "email": "sampleemail@gmail.com",
3   "password": "wrongpassword"
4 }
```

Body Cookies Headers (11) Test Results 401 Unauthorized • 294 ms • 359 B • Sign in failed.

- The API will give a Bad Request error if any of the fields are missing.

### 3. ResetPassword Functionality

#### Step-1 Generate a Reset Password Token.

Method: Post  
Url: http://localhost:8080/reset-password-request

POST http://localhost:8080/reset-password-request Send

Params Authorization Headers (9) Body Scripts Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON Beautify

```
1 {"email": "sampleemail@gmail.com"}
```

Body Cookies Headers (11) Test Results 200 OK • 389 ms • 430 B

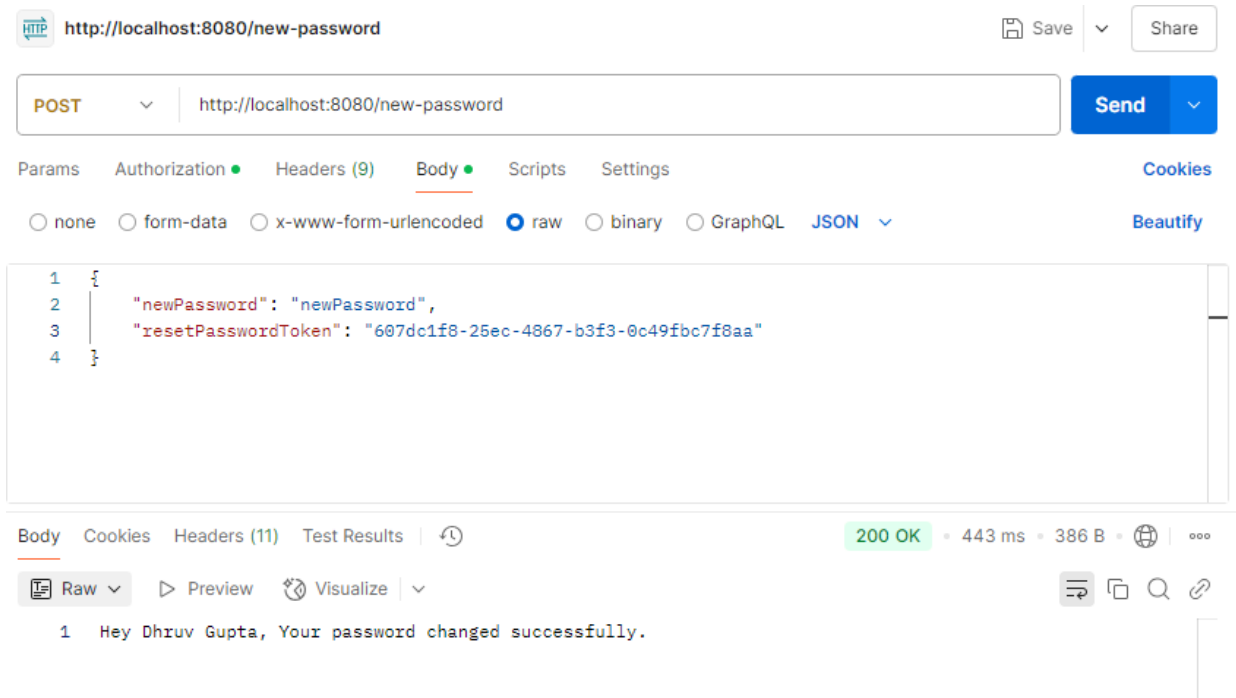
Raw Preview Visualize

```
1 Do not share this with anyone. Your reset password token is 607dc1f8-25ec-4867-b3f3-0c49fbc7f8aa
```

- A secret token will be generated which can be later used to reset the password
- Incase of any mistake in the request, the API will throw a Bad Request error.

## Step-2 Creating a new password

Method: Post  
URL: http://localhost:8080/new-password



HTTP http://localhost:8080/new-password Save Share

POST http://localhost:8080/new-password Send

Params Authorization Headers (9) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

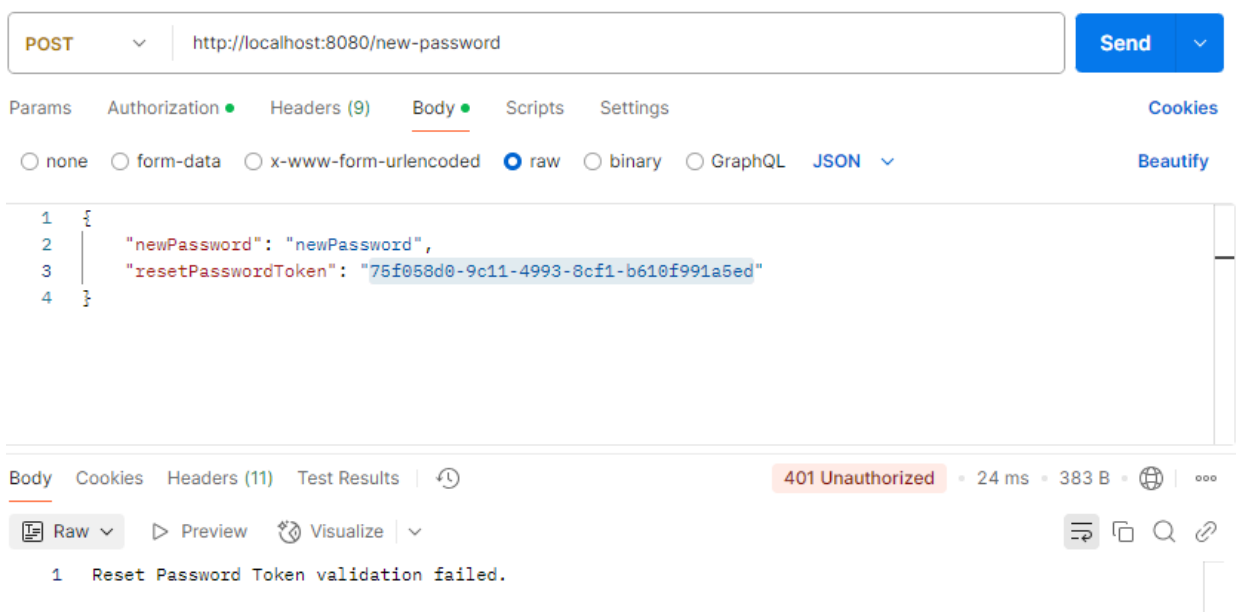
```
1 {  
2   "newPassword": "newPassword",  
3   "resetPasswordToken": "607dc1f8-25ec-4867-b3f3-0c49fbc7f8aa"  
4 }
```

Body Cookies Headers (11) Test Results 200 OK • 443 ms • 386 B •

Raw Preview Visualize

1 Hey Dhruv Gupta, Your password changed successfully.

- The new password has been set.



POST http://localhost:8080/new-password Send

Params Authorization Headers (9) Body Scripts Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {  
2   "newPassword": "newPassword",  
3   "resetPasswordToken": "75f058d0-9c11-4993-8cf1-b610f991a5ed"  
4 }
```

Body Cookies Headers (11) Test Results 401 Unauthorized • 24 ms • 383 B •

Raw Preview Visualize

1 Reset Password Token validation failed.

- If an incorrect reset password token is incorrect, the API will give an Unauthorized error.
- In case of any mistake in the request, the API will throw a Bad Request error.