

## AuthController – UpdatePassword

### Create a new DTO -> PasswordDTO.java

```
package org.studyeasy.SpringRestdemo.payload.auth;

import io.swagger.v3.oas.annotations.media.Schema;
import io.swagger.v3.oas.annotations.media.Schema.RequiredMode;
import jakarta.validation.constraints.Size;
import lombok.Getter;
import lombok.NoArgsConstructor;
import lombok.Setter;

@Getter
@Setter
@NoArgsConstructor
public class PasswordDTO {

    @Size(min = 6, max = 20)
    @Schema(description = "Password", example = "Password", requiredMode =
RequiredMode.REQUIRED, maxLength = 20, minLength = 6)
    private String password;
}
```

### Updated AccountViewDTO.java

```
package org.studyeasy.SpringRestdemo.payload.auth;

import jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id;
import lombok.AllArgsConstructor;
import lombok.Getter;
import lombok.Setter;

@Setter
@Getter
@AllArgsConstructor
public class AccountViewDTO {

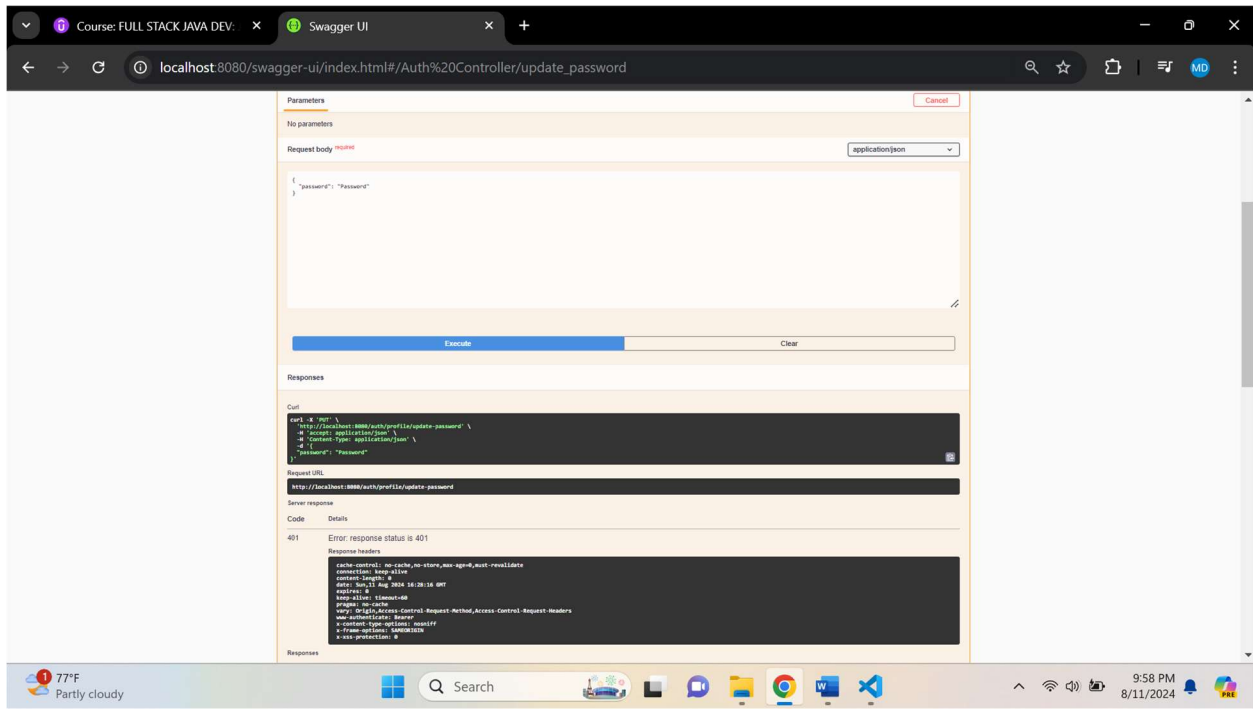
    @Id
    @GeneratedValue(strategy = GenerationType.SEQUENCE)
    private long id;
```

```
private String email;  
private String authorities;  
}
```

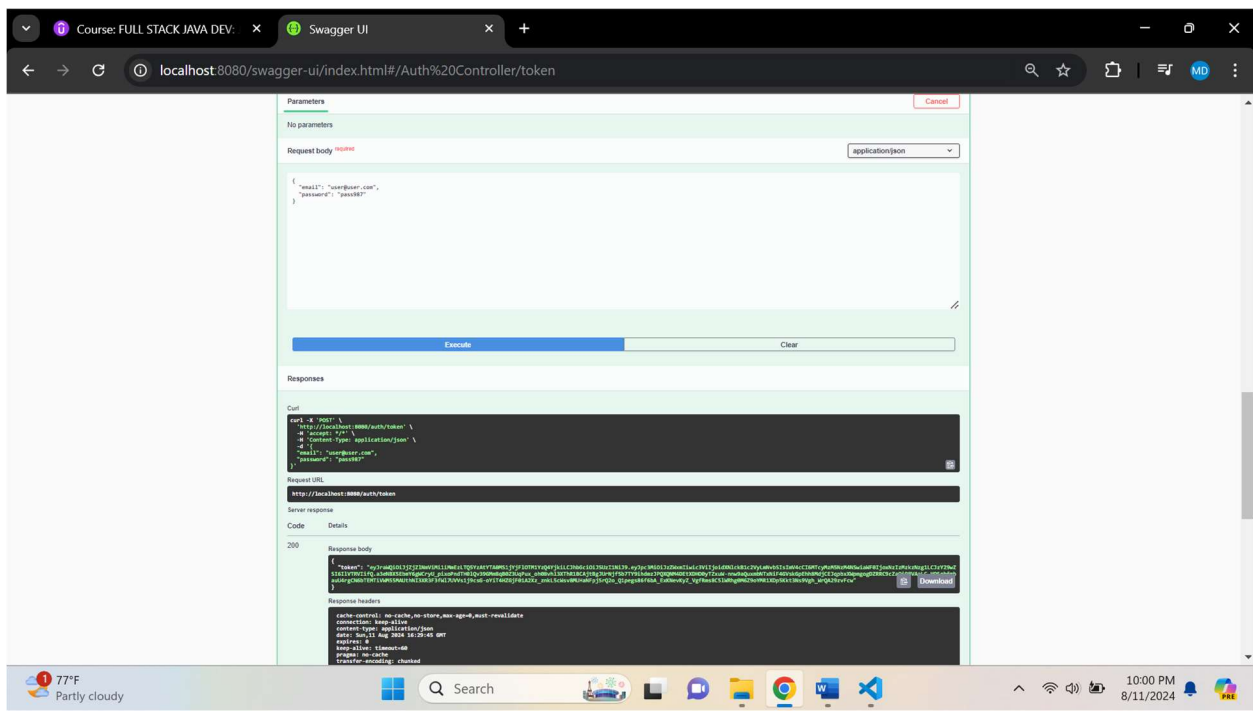
### API to update password creation: - In AuthController.java, add below code

```
@PostMapping(value = "/profile/update-password", produces =  
"application/json", consumes = "application/json")  
@Operation(summary = "Update Profile")  
@ApiResponse(responseCode = "200", description = "List of users")  
@ApiResponse(responseCode = "401", description = "Token missing")  
@ApiResponse(responseCode = "403", description = "Token error")  
@SecurityRequirement(name = "studyeasy-demo-api")  
public AccountViewDTO update_password(@Valid @RequestBody PasswordDTO  
passwordDTO, Authentication authentication){  
    String email = authentication.getName();  
    Optional<Account> optionalAccount =  
accountService.findByEmail(email);  
    if(optionalAccount.isPresent()){  
        Account account = optionalAccount.get();  
        account.setPassword(passwordDTO.getPassword());  
        accountService.save(account);  
        AccountViewDTO accountViewDTO = new  
AccountViewDTO(account.getId(), account.getEmail(),  
account.getAuthorities());  
        return accountViewDTO;  
    }  
    return null;  
}
```

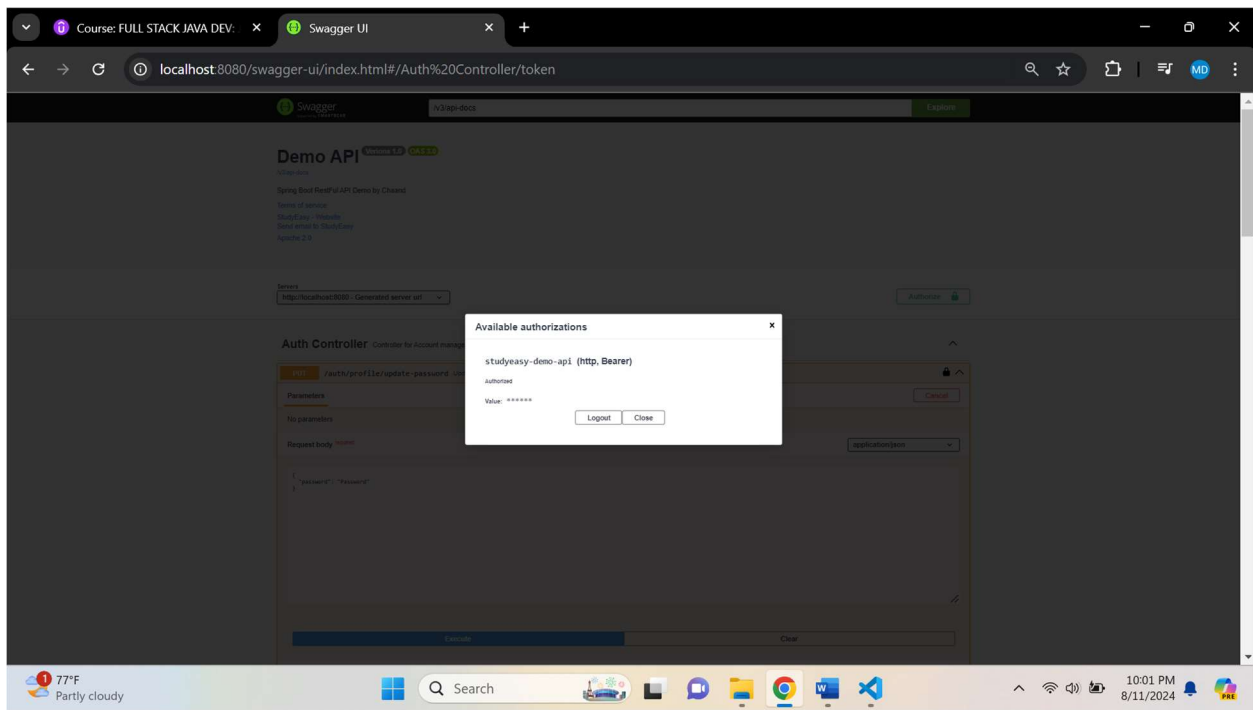
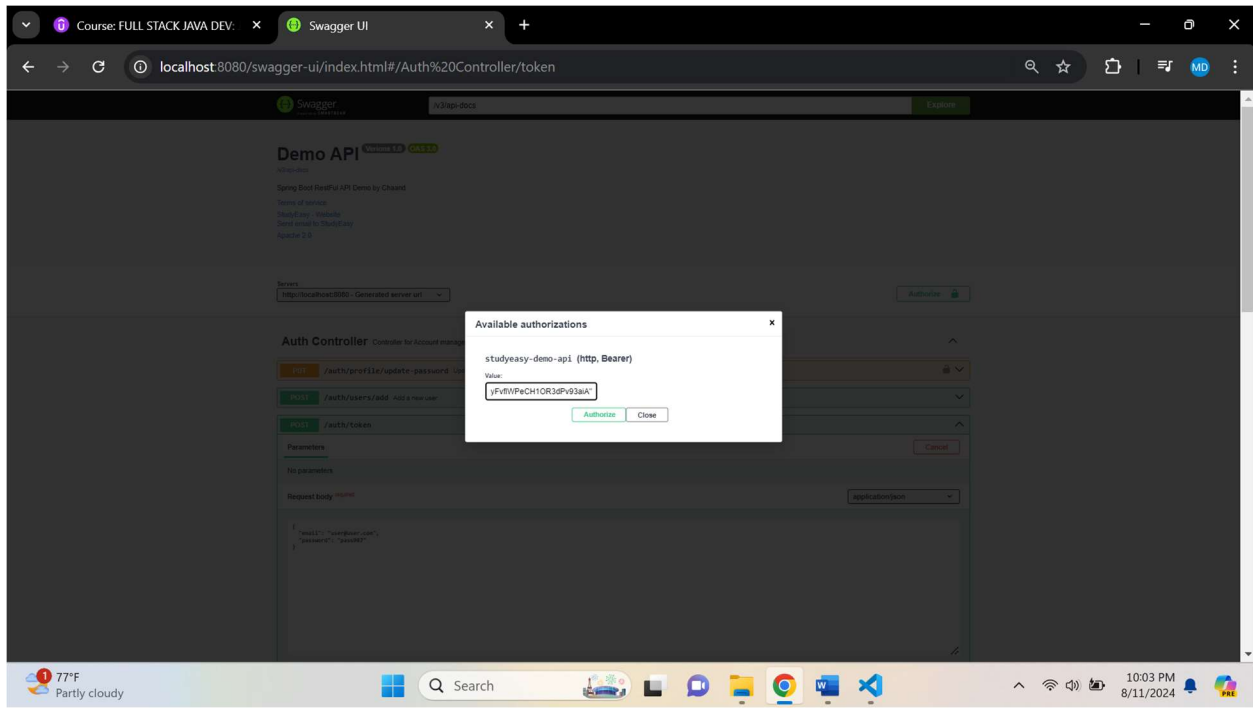
## Output



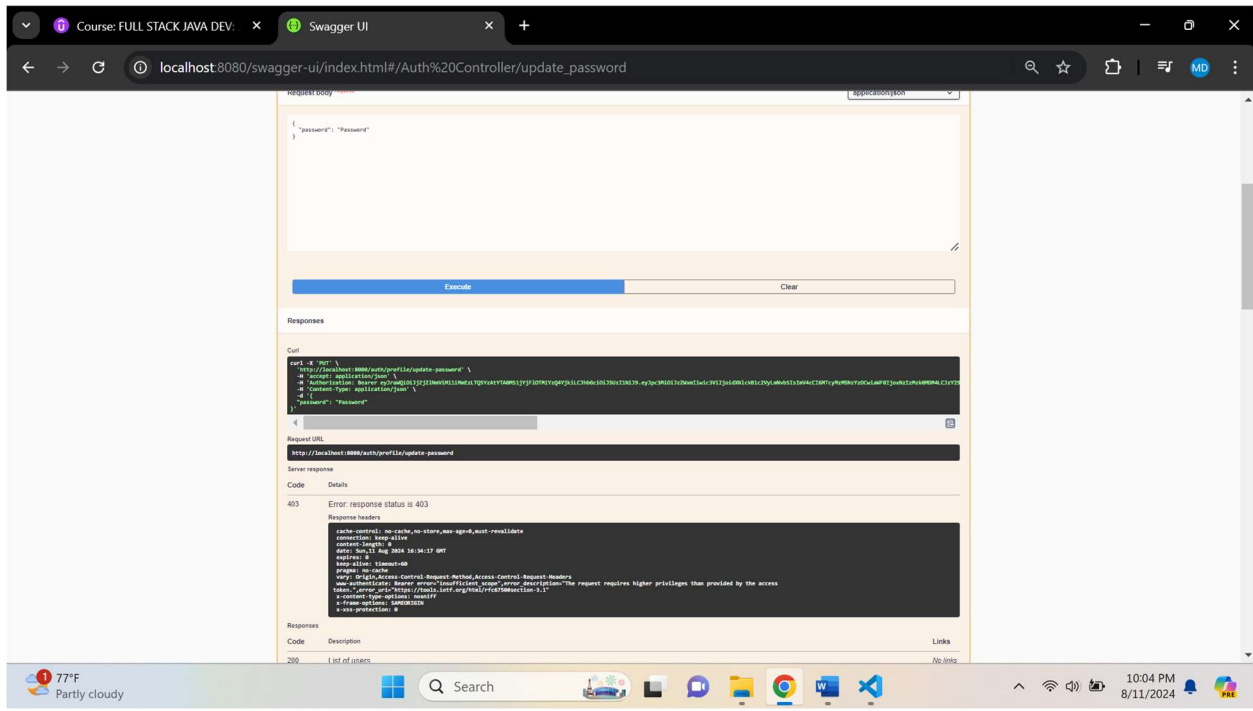
## Generate a token – User



# Authorize



## You get error



## In SecurityConfig.java -> add below line -> to give access

```
.requestMatchers("/auth/profile/update-password").authenticated()
```

## Updated PasswordDTO.java – Remove to AllArgsConstructor()

```
package org.studyeasy.SpringRestdemo.payload.auth;

import io.swagger.v3.oas.annotations.media.Schema;
import io.swagger.v3.oas.annotations.media.Schema.RequiredMode;
import jakarta.validation.constraints.Size;
import lombok.Getter;
import lombok.Setter;

@Getter
@Setter
public class PasswordDTO {

    @Size(min = 6, max = 20)
```

```
@Schema(description = "Password", example = "Password", requiredMode =
RequiredMode.REQUIRED, maxLength = 20, minLength = 6)
private String password;
}
```

**Try to use old password and generate a token, it displays like below output**

The screenshot shows a web browser window with the Swagger UI interface. The browser's address bar displays the URL `localhost:8080/swagger-ui/index.html#/Auth%20Controller/token`. The Swagger UI shows a REST client interface for the `token` endpoint. The request body is set to `application/json` and contains the following JSON:

```
{
  "email": "user@user.com",
  "password": "password"
}
```

The `Execute` button has been clicked, and the response section shows an error. The status code is `400` (Bad Request). The response body is:

```
{
  "token": null
}
```

The response headers include:

```
cache-control: no-cache, no-store, max-age=0, must-revalidate
connection: close
content-type: application/json
date: Sun, 11 Aug 2024 16:45:46 GMT
expires: 0
pragma: no-cache
transfer-encoding: chunked
vary: Origin, Access-Control-Request-Method, Access-Control-Request-Headers
x-content-type-options: nosniff
```

The browser's taskbar at the bottom shows the system clock as 10:15 PM on 8/11/2024, with a weather widget indicating 78°F and mostly cloudy conditions.

**Try to use new password and generate a token, it displays like below output**

