java_springboot_restful_33_AlbumController – Build View By Album Id

Add below code in AlbumController.java

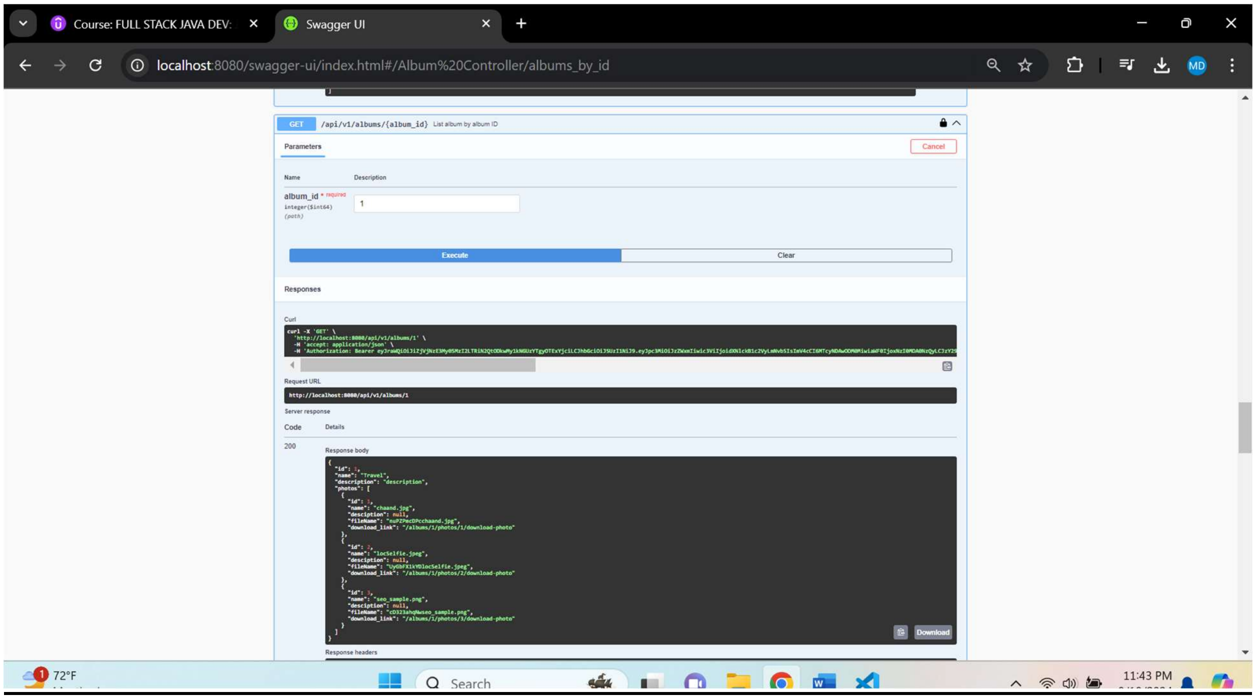
```
    //Album By Id
    @GetMapping(value = "/albums/{album_id}", produces = "application/json")
    @ApiResponse(responseCode = "200", description = "List of albums")
    @ApiResponse(responseCode = "401", description = "Token missing")
    @ApiResponse(responseCode = "403", description = "Token Error")
    @Operation(summary = "List album by album ID")
    @SecurityRequirement(name = "studyeasy-demo-api")
    public ResponseEntity<AlbumViewDTO> albums_by_id(@PathVariable long album_id,
Authentication authentication) {
        String email = authentication.getName();
        Optional<Account> optionalAccount = accountService.findByEmail(email);
        Account account = optionalAccount.get();
        Optional<Album> optionalAlbum = albumService.findById(album_id);
        Album album;
        if (optionalAlbum.isPresent()) {
            album = optionalAlbum.get();
        } else {
            return ResponseEntity.status(HttpStatus.BAD_REQUEST).body(null);
        }
        if (account.getId() != album.getAccount().getId()) {
            return ResponseEntity.status(HttpStatus.FORBIDDEN).body(null);
        }

        List<PhotoDTO> photos = new ArrayList<>();
        for (Photo photo : photoService.findByAlbumId(album.getId())) {
            String link =
"/albums/"+album.getId()+"/photos/"+photo.getId()+"/download-photo";
            photos.add(new PhotoDTO(photo.getId(), photo.getName(),
photo.getDescription(), photo.getFileName(), link));
        }

        AlbumViewDTO albumViewDTO = new AlbumViewDTO(album.getId(),
album.getName(), album.getDescription(), photos);

        return ResponseEntity.ok(albumViewDTO);
    }
```

<u>Output</u>



Course: FULL STACK JAVA DEV
Swagger UI
localhost:8080/swagger-ui/index.html#/Album%20Controller/albums_by_id
MD

GET /api/v1/albums/{album_id} List album by album ID

Name Description

album_id * required
integer($int64)
(path)

1

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:8080/api/v1/albums/1' \
  -H 'accept: application/json' \
  -H 'Authorization: Bearer eyJraWQiOiJiZjVjNzE3My05MzI2LTRiN2QtODkwMy1kNGUzYTgyOTExYjciLCJhbGciOiJSUzI1NiJ9.eyJpc3MiOiJzZWxmIiwic3ViIjoidXNlckB1c2VyLmNvbSIsImV4cCI6MTcyNDAwODM0MiwiaWF0IjoxNzI0MDA0NzQyLCJzY29
```

Request URL

```
http://localhost:8080/api/v1/albums/1
```

Server response

Code Details

200 Response body

```
{
  "id": 1,
  "name": "Travel",
  "description": "description",
  "photos": [
    {
      "id": 1,
      "name": "chaand.jpg",
      "desciption": null,
      "fileName": "nuPZPmcDPcchaand.jpg",
      "download_link": "/albums/1/photos/1/download-photo"
    },
    {
      "id": 2,
      "name": "locSelfie.jpeg",
      "desciption": null,
      "fileName": "UyGbFX1kYDlocSelfie.jpeg",
      "download_link": "/albums/1/photos/2/download-photo"
    },
    {
      "id": 3,
      "name": "seo_sample.png",
      "desciption": null,
      "fileName": "cD323ahqNwseo_sample.png",
      "download_link": "/albums/1/photos/3/download-photo"
    }
  ]
}
```

Response headers