

Return Custom HTTP Responses

Objective:

Use `ResponseEntity` to customize API responses.

1. Modify the GET `/movies/{index}` endpoint to return:
 - **200 OK:** If the movie exists, return the movie and status code 200
 - **404 Not Found:** If the movie doesn't exist, return just the 404 status code
2. Modify the GET `/movies` endpoint to return:
 - **200 OK:** If movies are found, return the list of movies and 200 OK
 - **200 OK:** If there are currently no movies inside the list, you should still return 200 OK. [Here's why](#)
3. Modify the GET `/movies/search` endpoint to return:
 - **200 OK:** If movies are found based on the query, return the list of movies and 200 OK
 - **200 OK:** If no movies are found based on the query, you should still return 200 OK
4. Modify the POST `/movies` endpoint to return:
 - **201 Created:** If movie is saved successfully, return the newly created object in JSON form, and status code 201 Created. You should also add a Location header to the response (it should indicate the resource location, for example, `/movies/9`)
 - **400 Bad Request:** If provided movie's parameters title or director are either empty or null, you must return 400 Bad Request

Hint:

Use `ResponseEntity` class.