

## Extending functionality

### Objective:

Extend functionality to use PUT and DELETE methods.

#### 1. Add the following endpoints:

- PUT /movies/{index}: Updates an existing movie by index
  - To update a resource, you have to provide two things: an index using @PathVariable, and a request body containing new values, as well as old ones you want to keep
  - **200 OK:** If the movie has been updated successfully, it should return 200 OK status code, as well as response body, containing the updated resource, in JSON format
  - **201 Created:** If a resource does not exist based on the provided index, you should create a new resource instead. The procedure is identical to, as if it were POST - when created, return to the client a response body containing the new resource, as well as Location header
  - **400 Bad Request:** If the provided parameter movie title and director is either empty or null, you should return 400 Bad Request status code
    - \* Try to upgrade the validation by also providing a response body detailing what went wrong. For example, along with 400 Bad Request, the response body could contain Title is empty, if the title is indeed empty. Same goes for other field
- DELETE /movies/{index}: Deletes an existing movie by index
  - **204 No Content:** If the resource was found based on the provided index, it should be removed from the system, and status code 204 No Content should be returned
  - **404 Not Found:** If the resource cannot be found by provided index, you have to return 404 to the client