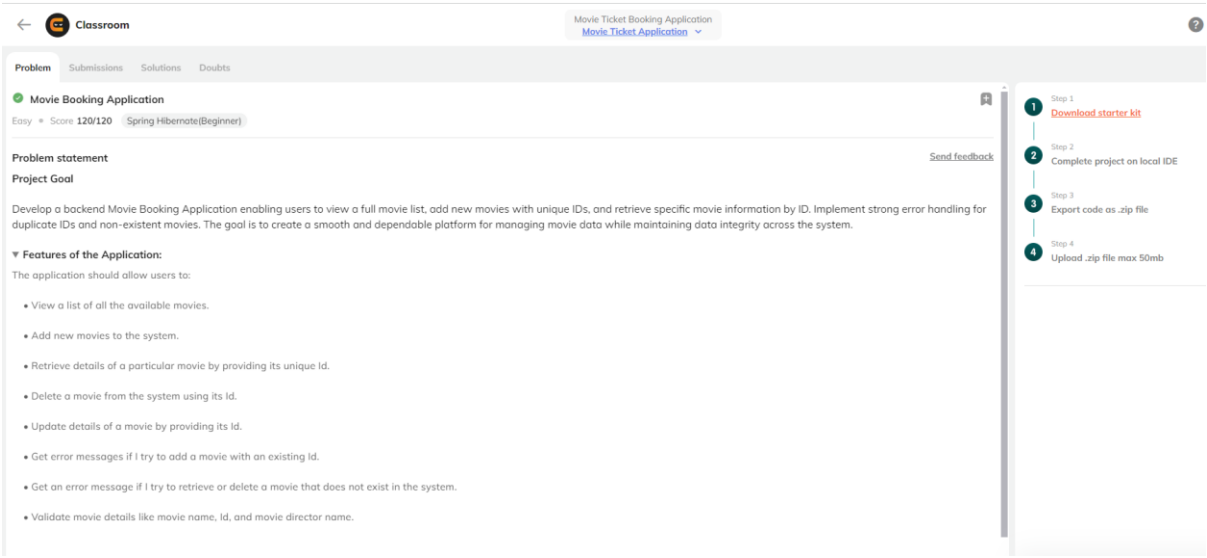
Movie Ticket Booking Application

Problem Statement



Steps:

Use the following guidelines and hints to build the project.

1. We will be utilizing the Spring version **3.0.0** for this mini-project.

2. Create a class with the name **Movie** in the Model package with the following attributes and the required getters and setters:

   • String id

   • String movieName

   • String movieDirector

   • long movieRating

   • String movieLanguage

   • List writers

   • List actors

   • List genre

3. Create a class with the name ***controller*** in the controller package with the following rest APIs as mentioned below:

   • **GET "/ticket/movies"**: It fetch the list of all the movies.

   • **POST "/ticket/movie" (@Valid @RequestBody Movie movie, BindingResult bindingResult)**: It adds a new movie and throws RuntimeException if bindingResult has errors.

   • **GET "/ticket/movie/{id}" (@PathVariable String id)**: It fetches a movie by the given.

   • **DELETE "/ticket/movie/{id}" (@PathVariable String id)**: It deletes a movie by the given Id.

   • **PUT "/ticket/update/{id}" (@Valid @RequestBody Movie topic,@PathVariable String id)**:It updates a movie by the given Id.

4. Create an Interface with the name **MovieServiceInterface** and its implementation with the name **MovieService** in the service package which handles the business logic for the APIs mentioned above.

5. Create the following Runtime Exception Handling classes in the Exceptions package for the below scenarios:

a. IdAlreadyExist class

- If the ID already exists
- It returns a **NOTFOUND** *HTTP response status.*

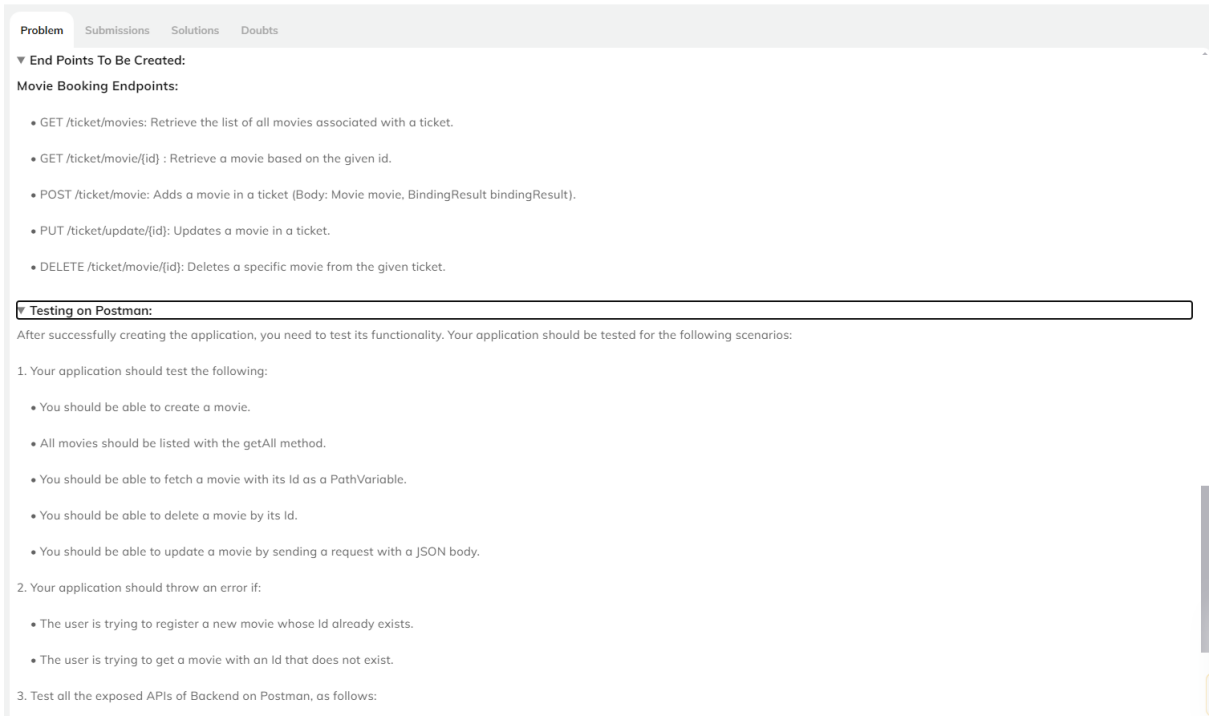
b. IdNotFound class

- *It the id is not found*
- *It returns a* **NOTFOUND** HTTP response status.

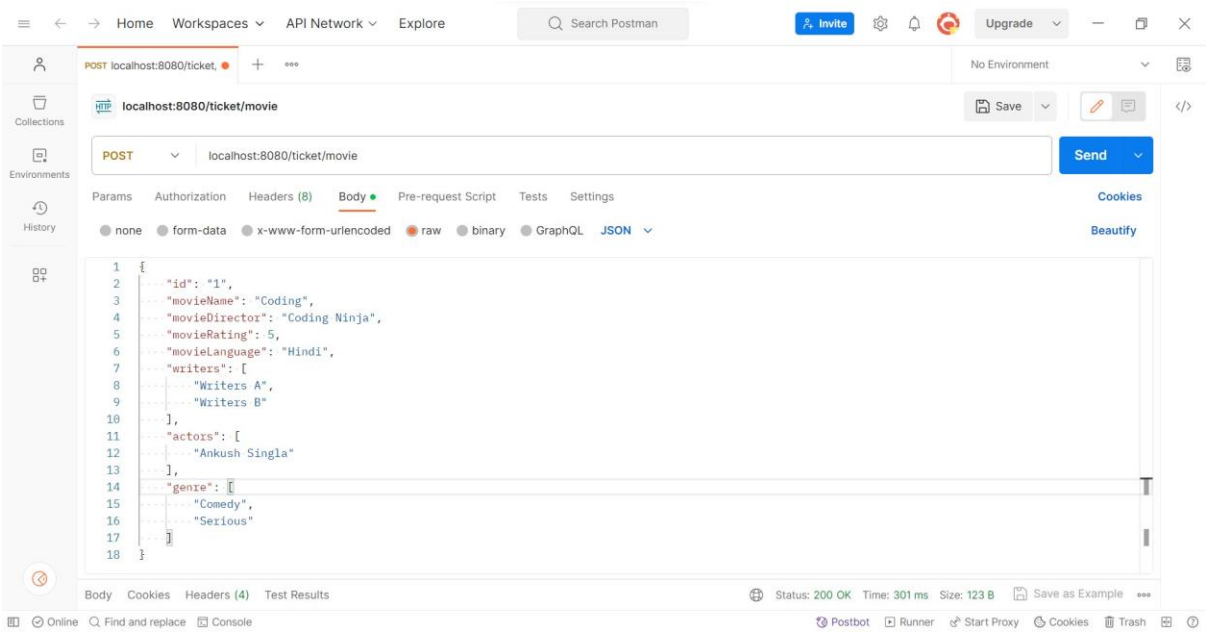
6. Implement validation for the following attributes:

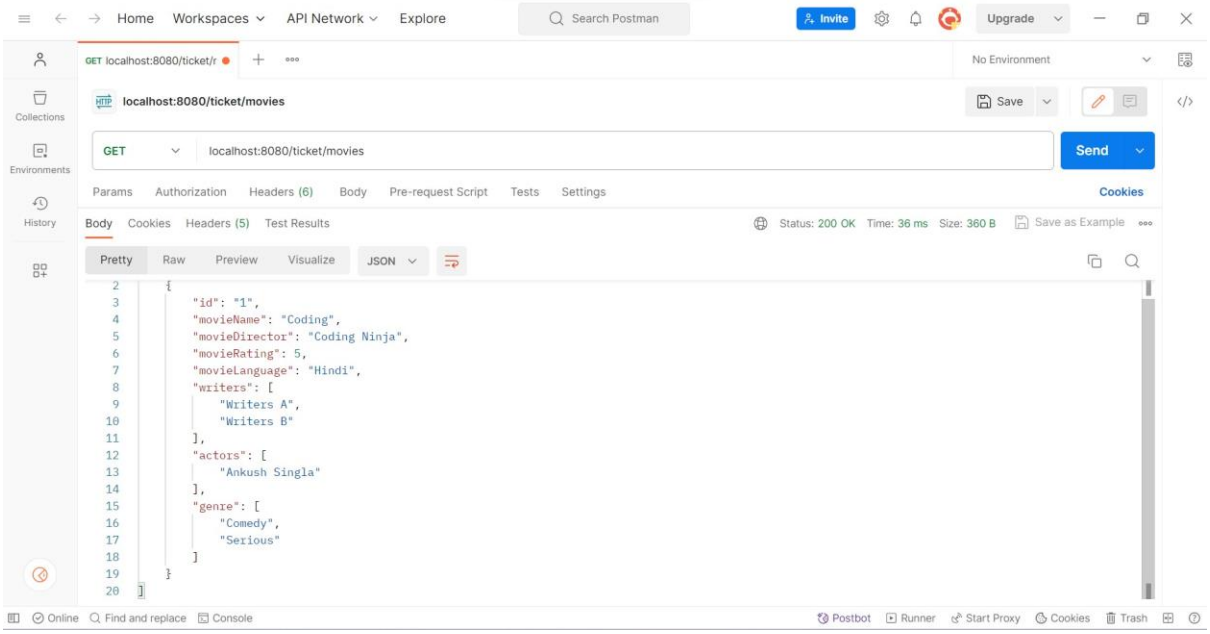
- Restrict the **'movieName'** to have a minimum length of 3 and a maximum length of 20.
- Restrict the 'id' to have a minimum value of 1.
- The name of the movieDirector can not be null.
- Restrict the movieRating to have a minimum value of 1 and a maximum value of 10.

7. You are supposed to throw a RuntimeException if any of the above validation criteria is failed.



Output


Home
Workspaces
API Network
Explore
Search Postman
Invite
Upgrade
POST localhost:8080/ticket,
No Environment
localhost:8080/ticket/movie
Save
POST
localhost:8080/ticket/movie
Send
Params
Authorization
Headers (8)
Body
Pre-request Script
Tests
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
Beautify
{
"id": "1",
"movieName": "Coding",
"movieDirector": "Coding Ninja",
"movieRating": 5,
"movieLanguage": "Hindi",
"writers": [
"Writers A",
"Writers B"
],
"actors": [
"Ankush Singla"
],
"genre": [
"Comedy",
"Serious"
]
}
Body
Cookies
Headers (4)
Test Results
Status: 200 OK
Time: 301 ms
Size: 123 B
Save as Example
Online
Find and replace
Console
Postbot
Runner
Start Proxy
Cookies
Trash


Home
Workspaces
API Network
Explore
Search Postman
Invite
Upgrade
GET localhost:8080/ticket/r
No Environment
localhost:8080/ticket/movies
Save
GET
localhost:8080/ticket/movies
Send
Params
Authorization
Headers (6)
Body
Pre-request Script
Tests
Settings
Cookies
Body
Cookies
Headers (5)
Test Results
Status: 200 OK
Time: 36 ms
Size: 360 B
Save as Example
Pretty
Raw
Preview
Visualize
JSON
[
{
"id": "1",
"movieName": "Coding",
"movieDirector": "Coding Ninja",
"movieRating": 5,
"movieLanguage": "Hindi",
"writers": [
"Writers A",
"Writers B"
],
"actors": [
"Ankush Singla"
],
"genre": [
"Comedy",
"Serious"
]
}
]
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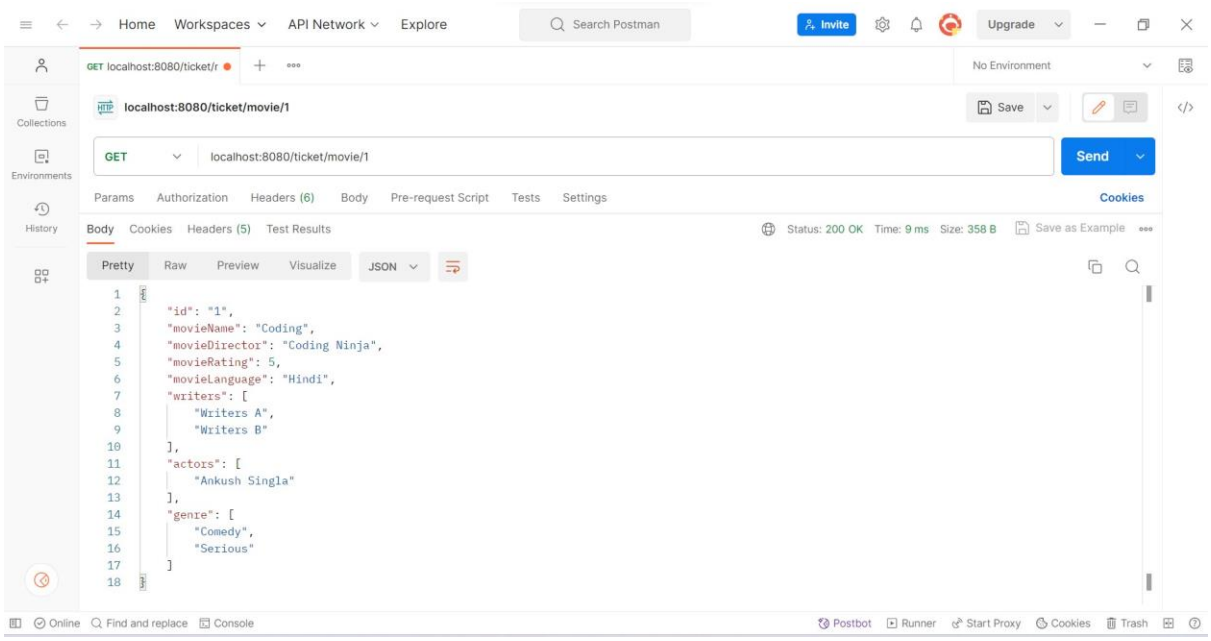
Home
Workspaces
API Network
Explore
Search Postman
Invite
Upgrade
GET localhost:8080/ticket/r
No Environment
Collections
Environments
History
localhost:8080/ticket/movie/1
Save
GET
localhost:8080/ticket/movie/1
Send
Params
Authorization
Headers (6)
Body
Pre-request Script
Tests
Settings
Cookies
Body
Cookies
Headers (5)
Test Results
Status: 200 OK
Time: 9 ms
Size: 358 B
Save as Example
Pretty
Raw
Preview
Visualize
JSON
{
"id": "1",
"movieName": "Coding",
"movieDirector": "Coding Ninja",
"movieRating": 5,
"movieLanguage": "Hindi",
"writers": [
"Writers A",
"Writers B"
],
"actors": [
"Ankush Singla"
],
"genre": [
"Comedy",
"Serious"
]
}
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