

Postman test screenshots :

1. POST:

The screenshot shows the Postman interface with a POST request to `http://localhost:3000/api/movies`. The Headers tab is selected, showing an `Authorization` header with the value `123456`. The Body tab displays a JSON object representing a movie review:

```
1 {
2   "id": "1763997339489",
3   "movieTitle": "Inception",
4   "director": "Christopher Nolan",
5   "reviewText": "A mind-bending film with exceptional visuals and storytelling.",
6   "rating": 9,
7   "tags": [
8     "thriller",
9     "sci-fi",
10    "mind-bending"
11  ],
12  "user": "123456",
13  "date": "2025-11-24T15:15:39.491Z"
14}
```

2. GET:

The screenshot shows the Postman interface with a GET request to `http://localhost:3000/api/movies`. The Headers tab is selected, showing an `Authorization` header with the value `123456`. The Body tab displays a JSON object representing a movie review:

```
1 {
2   "id": "1763997339489",
3   "movieTitle": "Inception",
4   "director": "Christopher Nolan",
5   "reviewText": "A mind-bending film with exceptional visuals and storytelling.",
6   "rating": 9,
7   "tags": [
8     "thriller",
9     "sci-fi",
10    "mind-bending"
11  ],
12  "user": "123456",
13  "date": "2025-11-24T15:15:39.491Z"
14},
15 {
16   "id": "1763997663517",
17   "movieTitle": "The Shawshank Redemption",
18   "director": "Frank Darabont",
19   "reviewText": "A powerful story of hope, friendship, and perseverance. One of the most emotional films ever made.",
20   "rating": 10,
21   "tags": [
22     "drama",
23     "prison",
24     "classic"
25   ],
26   "user": "123456",
27   "date": "2025-11-24T15:21:03.517Z"
28}
```

3. PUT:

The screenshot shows the Postman application interface. On the left, the 'My Workspace' sidebar displays a collection named 'My first collection' containing two folders: 'First folder inside collection' and 'Second folder inside collection'. The 'First folder inside collection' contains four requests: 'GET', 'POST', 'PUT', and 'GET'. The 'PUT' request is selected in the main workspace.

The main workspace shows a 'PUT' request to `http://localhost:3000/api/movies/1763997663517`. The 'Body' tab is selected, showing the following JSON payload:

```
1 {
2     "movieTitle": "The Shawshank Redemption",
3     "director": "Frank Darabont",
4     "reviewText": "A powerful story of hope, friendship, and perseverance. One of the most emotional films ever made.",
5     "rating": 8,
6     "tags": ["drama", "prison", "classic"]
7 }
```

The response status is 200 OK, with a duration of 12 ms and a size of 570 B. The response body is displayed below:

```
1 {
2     "id": "1763997663517",
3     "movieTitle": "The Shawshank Redemption",
4     "director": "Frank Darabont",
5     "reviewText": "A powerful story of hope, friendship, and perseverance. One of the most emotional films ever made.",
6     "rating": 8,
7     "tags": [
8         "drama",
9         "prison",
10        "classic"
11    ],
12    "user": "123456",
13    "date": "2025-11-24T15:21:03.517Z"
14 }
```

The bottom of the screen shows the Windows taskbar with various pinned icons and the system tray indicating the date and time as 24-11-2025.

4. DELETE:

The screenshot shows the Postman application interface, similar to the previous one but with a different request type. The 'My Workspace' sidebar is identical, showing the same collection and folder structure.

The main workspace shows a 'DELETE' request to `http://localhost:3000/api/movies/1763997663517`. The 'Body' tab is selected, showing the same JSON payload as the PUT request:

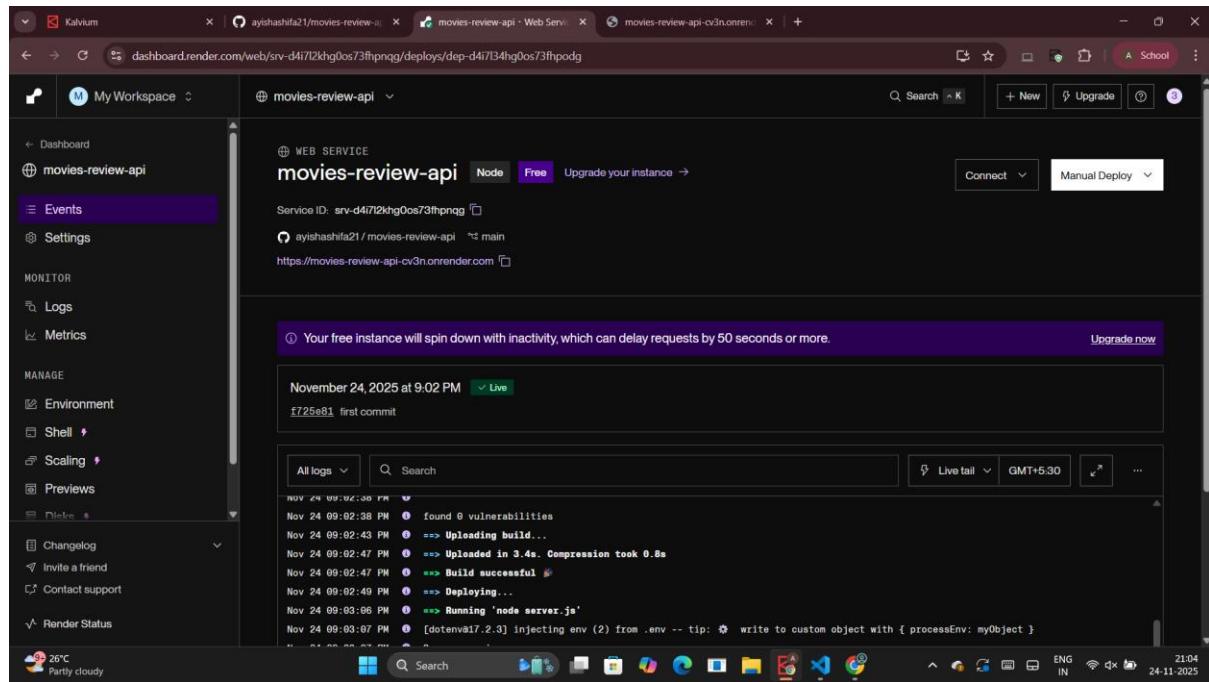
```
1 {
2     "movieTitle": "The Shawshank Redemption",
3     "director": "Frank Darabont",
4     "reviewText": "A powerful story of hope, friendship, and perseverance. One of the most emotional films ever made.",
5     "rating": 8,
6     "tags": ["drama", "prison", "classic"]
7 }
```

The response status is 200 OK, with a duration of 20 ms and a size of 295 B. The response body is displayed below:

```
1 {
2     "message": "Review deleted"
3 }
```

The bottom of the screen shows the Windows taskbar with various pinned icons and the system tray indicating the date and time as 24-11-2025.

Render dashboard screenshot showing successful deployment:



Challenges Faced

- Route issues:** Some endpoints like /api/movies were initially unreachable due to incorrect path setup.
- Deployment differences:** API worked locally but needed adjustments for Render deployment.
- File structure & exports:** Missing or misconfigured files caused server errors.
- Authentication:** Ensuring API keys were correctly validated.
- Testing confusion:** Root URL only showed “API running,” requiring Postman to test endpoints.