

Api EndPoints Description

1. GetAllMovies [HttpGet] (Fetches All the movies available in Database):

https://localhost:<SYSTEM_PORTNO.>/api/Delta_X/GetAllMovies

The screenshot shows a REST client interface with the URL `https://localhost:44360/api/Delta_X/GetAllMovies` and the method `GET`. The response status is `200 OK` with a time of `41 ms` and a size of `1.32 KB`. The response body is displayed in JSON format, showing a list of three movies:

```
{
  "id": 32,
  "name": "Sit-Up",
  "dateOfRelease": "2022-12-25T00:00:00",
  "fkProducer": "Hilton",
  "plot": "AnimatedAction",
  "actors": [
    "Ron",
    "Don"
  ]
},
{
  "id": 30,
  "name": "Die_Hard",
  "dateOfRelease": "2022-12-25T00:00:00",
  "fkProducer": "Hilton",
  "plot": "AnimatedAction",
  "actors": [
    "Ron",
    "Don"
  ]
},
{
  "id": 40,
  "name": "Die-hard111",
  "dateOfRelease": "2022-12-25T00:00:00",
  "fkProducer": "Hilton",
  "plot": "Drama Packed",
  "actors": [
    "Rnn"
  ]
}
```

2. GetAllActors [HttpGet] (Fetches All the actors available in Database):

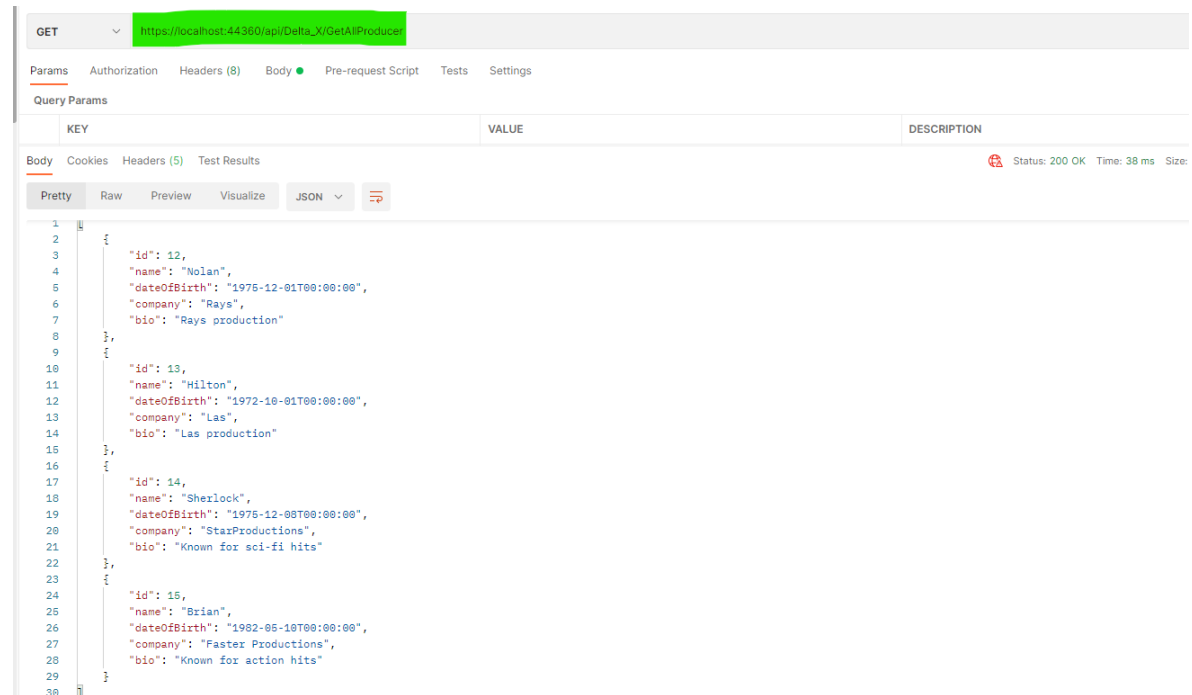
https://localhost:<SYSTEM_PORTNO.>/api/Delta_X/GetAllActors

The screenshot shows a REST client interface with the URL `https://localhost:44360/api/Delta_X/GetAllActors` and the method `GET`. The response status is `200 OK`. The response body is displayed in JSON format, showing a list of three actors:

```
{
  "id": 1,
  "name": "Ron",
  "dateOfBirth": "1993-12-25T00:00:00",
  "bio": "RockStar"
},
{
  "id": 2,
  "name": "Don",
  "dateOfBirth": "1993-12-25T00:00:00",
  "bio": "Star"
},
{
  "id": 3,
  "name": "Jackie",
  "dateOfBirth": "1996-12-25T00:00:00",
  "bio": "Fighter"
}
```

3. GetAllProducers [HttpGet] (Fetches All the producers available in Database):

https://localhost:<SYSTEM_PORTNO.>/api/Delta_X/GetAllProducers



```

1  {
2    "id": 12,
3    "name": "Nolan",
4    "dateOfBirth": "1975-12-01T00:00:00",
5    "company": "Rays",
6    "bio": "Rays production"
7  },
8  {
9    "id": 13,
10   "name": "Hilton",
11   "dateOfBirth": "1972-10-01T00:00:00",
12   "company": "Las",
13   "bio": "Las production"
14 },
15 {
16   "id": 14,
17   "name": "Sherlock",
18   "dateOfBirth": "1975-12-08T00:00:00",
19   "company": "StarProductions",
20   "bio": "Known for sci-fi hits"
21 },
22 {
23   "id": 15,
24   "name": "Brian",
25   "dateOfBirth": "1992-05-10T00:00:00",
26   "company": "Faster Productions",
27   "bio": "Known for action hits"
28 },
29 }
30

```

4. AddMovie [HttpPost] (For inserting a new movie entry in the Database):

https://localhost:<SYSTEM_PORTNO.>/api/Delta_X/AddMovie

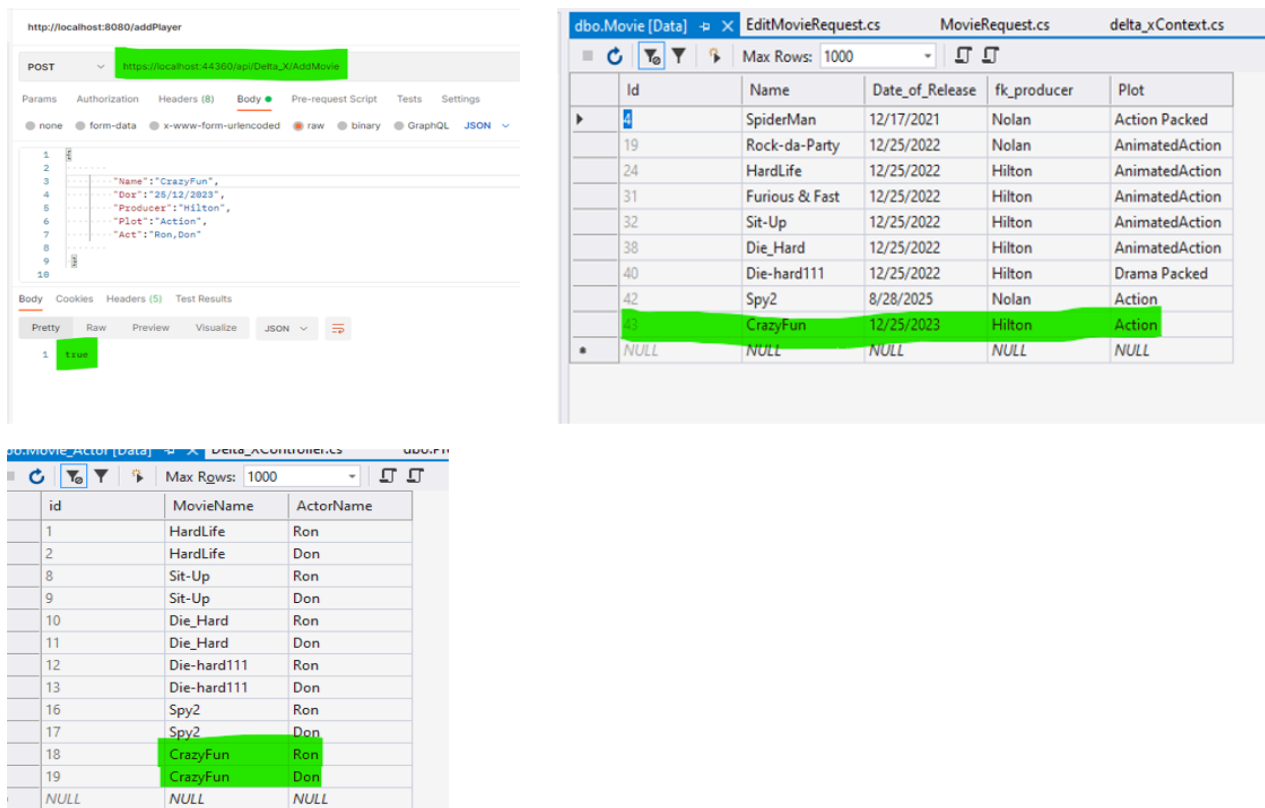


Figure 1: Adding Movie

POST https://localhost:44360/api/Delta_X/AddMovie

```

1  {
2    "Name": "CrazyFun",
3    "Doc": "28/12/2023",
4    "Producers": "Hilton",
5    "Plot": "Action",
6    "Act": "Ron,Don"
7  }
8
9
10

```

Figure 2: Entry added in DataBase (Movies Table)

Id	Name	Date_of_Release	fk_producer	Plot
19	SpiderMan	12/17/2021	Nolan	Action Packed
24	Rock-da-Party	12/25/2022	Nolan	AnimatedAction
31	HardLife	12/25/2022	Hilton	AnimatedAction
32	Furious & Fast	12/25/2022	Hilton	AnimatedAction
38	Sit-Up	12/25/2022	Hilton	AnimatedAction
40	Die_Hard	12/25/2022	Hilton	AnimatedAction
42	Die-hard111	12/25/2022	Hilton	Drama Packed
43	Spy2	8/28/2025	Nolan	Action
44	CrazyFun	12/25/2023	Hilton	Action
NULL	NULL	NULL	NULL	NULL

Figure 3: List of actors added in Junction table (MovieActor Table)

id	MovieName	ActorName
1	HardLife	Ron
2	HardLife	Don
8	Sit-Up	Ron
9	Sit-Up	Don
10	Die_Hard	Ron
11	Die_Hard	Don
12	Die-hard111	Ron
13	Die-hard111	Don
16	Spy2	Ron
17	Spy2	Don
18	CrazyFun	Ron
19	CrazyFun	Don
NULL	NULL	NULL

Figure 1: Adding Movie

Figure 2: Entry added in DataBase (Movies Table)

Figure 3: List of actors added in Junction table (MovieActor Table)

5. EditMovie [HttpPut] (For editing existing movie):

https://localhost:<SYSTEM_PORTNO.>/api/Delta_X/EditMovie

The screenshot shows a REST client interface with a PUT request to `https://localhost:44300/api/Delta_X/EditMovie`. The request body is a JSON object: `{ "Id": 41, "Name": "Spy2", "Dox": "28/08/2025", "Producer": "Nolan", "Plot": "Action", "Act": "Ron, Don" }`. The response is a table of movie data.

Name	Date_of_Release	fk_producer	Plot
SpiderMan	12/17/2021	Nolan	Action Packed
Rock-da-Party	12/25/2022	Nolan	AnimatedAction
HardLife	12/25/2022	Hilton	AnimatedAction
Furious & Fast	12/25/2022	Hilton	AnimatedAction
Sit-Up	12/25/2022	Hilton	AnimatedAction
Die_Hard	12/25/2022	Hilton	AnimatedAction
Die-hard111	12/25/2022	Hilton	Drama Packed
Spy2	8/28/2025	Nolan	Action
CrazyFun	12/25/2023	Hilton	Action
NULL	NULL	NULL	NULL

6. Database Schema:

