Course Project API Documentation

Listing all Movies

- **Request:**
- **Method:** GET
- **Protocol: HTTP/1.1**

Address: /movies

Body: {}

Response (200 OK)
Body:

```
[
      {
            "id": "1",
            "movieName": "Pulp Fiction",
            "releaseDate": "1994-10-14",
            "studioId": "1",
            "directorId": "1"
      },
      {
            "id": "1",
            "movieName": "Jurassic Park",
            "releaseDate": "1993-06-11",
            "studioId": "2",
            "directorId": "2"
      },
..................
]
```

Creating a new Movie

- **Request:**
- **Method:** POST
- **Protocol: HTTP/1.1**

Address: /movies

Body:

```
	{
		"movieName": "Lorem Ipsum",
		"releaseDate": "2000-01-01",
		"studioId": "1",
		"directorId": "1"
	}
```

Response (201 CREATED)

Body:

```
	{
		"Http_status”: “success”,
		“id”: 10,
		"movieName": "Lorem Ipsum",
		"releaseDate": "2000-01-01",
		"studioId": "1",
		"directorId": "1",
		“URI”: “/movies/10”
	}
```

Reading a Movie

- **Request:**
- **Method:** GET
- **Protocol: HTTP/1.1**

Address: /movies/1

Body: {}

Response (200 OK)
Body:

```
{
      "id": "1",
      "movieName": "Pulp Fiction",
      "releaseDate": "1994-10-14",
      "studioId": "1",
      "directorId": "1"
}
```

Updating a Movie

- **Request:**
- **Method:** PATCH
- **Protocol: HTTP/1.1**

Address: /movies/1?movieName=Toy%20Story

Body: {}

Response (200 OK)
Body:

```
{
      "id": "1",
      "movieName": "Toy Story",
      "releaseDate": "1994-10-14",
      "studioId": "1",
      "directorId": "1"
}
```

Deleting a Movie

- **Request:**
- **Method:** DELETE
- **Protocol: HTTP/1.1**

Address: /movies/1
Body: {}

Response (200 OK)
Body:

```
{
      "id":1,
      "deleted":"true"

}
```

Listing all Directors

- **Request:**
- **Method:** GET
- **Protocol: HTTP/1.1**

Address: /directors

Body: {}

Response (200 OK)
Body:

```
[
      {
            "id": "1",
            "name": "Quentin Tarantino",
            "Bio": "Quentin Tarantino is a renowned American director and
            screenwriter known for his highly stylized films, often featuring
            non-linear narratives, sharp dialogue, and graphic violence. His
            works include Pulp Fiction (1994), Reservoir Dogs (1992), Kill
            Bill."
            "birthDate": "1963-03-27",
            "deathDate": NULL
      },
      {
            "id": "1",
            "name": "Steven Spielberg",
            "Bio": "One of the most influential directors in cinema history,
            Steven Spielberg is an American filmmaker best known for creating
            some of the highest-grossing and most beloved films of all time.
            His works include Jaws (1975), E.T. (1982), Jurassic Park (1993)"
            "birthDate": "1946-12-18",
            "deathDate": NULL
      },
.................
]
```

Creating a new Director

- **Request:**
- **Method:** POST
- **Protocol: HTTP/1.1**

Address: /directors
Body:

```
	{
		"name": "Lorem Ipsum",
		"birthDate": "2000-01-01",
		"deathDate": "2000-01-01",
	}
```

Response (201 CREATED)
Body:

```
	{
		"Http_status”: “success”,
		“id”: 10,
		"name": "Lorem Ipsum",
		"birthDate": "2000-01-01",
		"deathDate": "2000-01-01"
	}
```

Reading a Director

- **Request:**
- **Method:** GET
- **Protocol: HTTP/1.1**

Address: /directors/1

Body: {}

Response (200 OK)
Body:

```
{
        "id": "1",
        "name": "Quentin Tarantino",
        "Bio": "Quentin Tarantino is a renowned American director and
        screenwriter known for his highly stylized films, often featuring
        non-linear narratives, sharp dialogue, and graphic violence. His
        works include Pulp Fiction (1994), Reservoir Dogs (1992), Kill
        Bill."
        "birthDate": "1963-03-27",
        "deathDate": NULL
}
```

Updating a Director

- **Request:**
- **Method:** PATCH
- **Protocol: HTTP/1.1**

Address: /directors/1?name=Guillermo%20Del%20Toro

Body: {}

Response (200 OK)
Body:

```
{
        "id": "1",
        "name": "Guillermo Del Toro",
        "Bio": "Quentin Tarantino is a renowned American director and
        screenwriter known for his highly stylized films, often featuring
        non-linear narratives, sharp dialogue, and graphic violence. His
        works include Pulp Fiction (1994), Reservoir Dogs (1992), Kill
        Bill."
        "birthDate": "1963-03-27",
        "deathDate": NULL
}
```

Deleting a Director

- **Request:**
- **Method:** DELETE
- **Protocol: HTTP/1.1**

Address: /directors/1
Body: {}

Response (200 OK)
Body:

```
{
      "id":1,
      "deleted":"true"

      }
```

Listing all Genres

- **Request:**
- **Method:** GET
- **Protocol: HTTP/1.1**

Address: /genres

Body: {}

Response (200 OK)
Body:

```
[
      {
            "id": "1",
            "genreName":"Drama":
            "description":"Character-driven stories that emphasize emotional
            and relational development. This film delves into deep
            conversations and personal struggles.\r\n"
      },
      {
            "id": "2",
            "genreName":"Adventure":
            "description":"Focuses on action-packed sequences, often
            involving exploration, danger, and discovery. "
      },
………………
]
```

Creating a new genre

- **Request:**
- **Method:** POST
- **Protocol: HTTP/1.1**

Address: /genres

Body:

```
      {
            "genreName": "Lorem Ipsum",
            "description": "lorem Ipsum"
      }
```

Response (201 CREATED)

Body:

```
      {
            "Http_status”: “success”,
            “id”: 10,
            "genreName": "Lorem Ipsum",
            "description": "lorem Ipsum"
      }
```

Reading a genre

- **Request:**
- **Method:** GET
- **Protocol: HTTP/1.1**

Address: /genres/1

Body: {}

Response (200 OK)
Body:

```
{
	"id": "1",
	"genreName":"Drama":
	"description":"Character-driven stories that emphasize emotional
	and relational development. This film delves into deep
	conversations and personal struggles.\r\n"
}
```

Updating a genre

- **Request:**
- **Method:** PATCH
- **Protocol: HTTP/1.1**

Address: /movies/1?name=Comedy

Body: {}

Response (200 OK)
Body:

```
      {
            "id": "1",
            "genreName":"Comedy":
            "description":"Character-driven stories that emphasize emotional
            and relational development. This film delves into deep
            conversations and personal struggles.\r\n"
      }
```

Deleting a genre

- **Request:**
- **Method:** DELETE
- **Protocol: HTTP/1.1**

Address: /genres/1
Body: {}

Response (200 OK)
Body:

```
{
      "id":1,
      "deleted":"true"

}
```

Listing all Studios

- **Request:**
- **Method:** GET
- **Protocol: HTTP/1.1**

Address: /studios

Body: {}

Response (200 OK)
Body:

```
[
      {
            "id": "1",
            "name":"Miramax Films":
            "description":"Miramax Films was founded by brothers Bob and
            Harvey Weinstein, initially focused on distributing independent
            films. The studio gained prominence in the 1990s by producing
            award-winning films like Pulp Fiction (1994), The English Patient
            (1996), and Shake"
            "foundingDate": "1979"
      },
      {
            "id": "2",
            "name":"Universal Pictures":
            "description":"Universal Pictures is one of the oldest and most
            successful film studios in the world, established by Carl
            Laemmle. It played a key role in shaping Hollywood during its
            formative years, and is known for producing a wide variety of
            iconic films."
            "foundingDate": "1912"
      },
………………
]
```

Creating a new studio

- **Request:**
- **Method:** POST
- **Protocol: HTTP/1.1**

Address: /studios

Body:

```
{
      "name": "Lorem Ipsum",
      "description": "lorem Ipsum"
      "foundingDate":2002
}
```

Response (201 CREATED)

Body:

```
{
      "Http_status”: “success”,
      “id”: 10,
      "name": "Lorem Ipsum",
      "description": "lorem Ipsum"
      "foundingDate":2002
}
```

Reading a studio

- **Request:**
- **Method:** GET
- **Protocol: HTTP/1.1**

Address: /studios/1

Body: {}

Response (200 OK)
Body:

```
{
      "id": "1",
      "name":"Miramax Films":
      "description":"Miramax Films was founded by brothers Bob and
      Harvey Weinstein, initially focused on distributing independent
      films. The studio gained prominence in the 1990s by producing
      award-winning films like Pulp Fiction (1994), The English Patient
      (1996), and Shake"
      "foundingDate": "1979"
}
```

Updating a studio

- **Request:**
- **Method:** PATCH
- **Protocol: HTTP/1.1**

Address: /movies/1?name=Disney

Body: {}

Response (200 OK)
Body:

```
{
        "id": "1",
        "name":"Disney":
        "description":"Miramax Films was founded by brothers Bob and
        Harvey Weinstein, initially focused on distributing independent
        films. The studio gained prominence in the 1990s by producing
        award-winning films like Pulp Fiction (1994), The English Patient
        (1996), and Shake"
        "foundingDate": "1979"
}
```

Deleting a Studio
Request:
Method: DELETE
Protocol: HTTP/1.1

Address: /studios/1
Body: {}

Response (200 OK)
Body:

```
{
        "id":1,
        "deleted":"true"

}
```

Getting all Reviews for a movie
Request:
Method: DELETE
Protocol: HTTP/1.1

Address: /movies/1/reviews
Body: {}

Response (200 OK)

Body:

```
[
{
      "id": 1,
      "reviewerId": 5,
      "review":"Pulp Fiction is a masterpiece! The non-linear storytelling
and unforgettable dialogue kept me on the edge of my seat. Tarantino’s
ability to blend humor with violence is nothing short of genius. Each
character is so distinct and memorable, especially Samuel L. Jackson as
Jules. It’s a film that demands multiple viewings to catch all the nuances."
      "movieId":"1",
      "created_at": "2024-10-03 02:41:41"
      "ratingId": "5"

},
{
      "id": 2,
      "reviewerId": 3,
      "review":"Pretty Generic movie. The Emoji movie was better."
      "movieId":"1",
      "created_at": "2024-10-03 02:41:41"
      "ratingId": "2"
}
.................
]
```

Creating a new review

- **Request:**
- **Method:** POST
- **Protocol: HTTP/1.1**

Address: /movies/3/reviews

Body:

```
	{

	"reviewerId": 3,
	"review":"Good Movie."
	"movieId":"2",
	"created_at": "2024-10-03 02:41:41"
	"ratingId": "5"

	}
```

Response (201 CREATED)

Body:

```
	{
		"Http_status": “success”,
		“id”: 10,
		"reviewerId": 3,
		"review":"Good Movie."
		"movieId":"2",
		"created_at": "2024-10-03 02:41:41"
		"ratingId": "5"
	}
```

Reading a review

Request:

Method: DELETE

Protocol: HTTP/1.1

Address: /movies/1/reviews/1

Body: {}

Response (200 OK)

Body:

```
[
{
      "id": 1,
      "reviewerId": 5,
      "review":"Pulp Fiction is a masterpiece! The non-linear storytelling
and unforgettable dialogue kept me on the edge of my seat. Tarantino’s
ability to blend humor with violence is nothing short of genius. Each
character is so distinct and memorable, especially Samuel L. Jackson as
Jules. It’s a film that demands multiple viewings to catch all the nuances."
      "movieId":"1",
      "created_at": "2024-10-03 02:41:41"
      "ratingId": "5"

}
```

Updating a review

- **Request:**
- **Method:** PATCH
- **Protocol: HTTP/1.1**

Address: /movies/3/reviews/10?review=Not%20%Good%Movie.
Body: {}

Response (200 OK)
Body:

```
{

      "reviewerId": 3,
      "review":"Not Good Movie"
      "movieId":"2",
      "created_at": "2024-10-03 02:41:41"
      "ratingId": "1"

}
```

Deleting a Review
Request:
Method: DELETE
Protocol: HTTP/1.1

Address: /movies/1/reviews/1
Body: {}

Response (200 OK)
Body:

```
{
      "id":1,
      "deleted":"true"

}
```

Getting all Reviewers
Request:
Method: DELETE
Protocol: HTTP/1.1

Address: /reviewers
Body: {}

Response (200 OK)

Body:

```
[
{
      "id": 1,
      "name":"Emily R."
      "created_at": "2024-10-03 02:41:41"

},
{
      "id": 2,
      "name":"Mark T."
      "created_at": "2024-10-03 02:41:41"
}
………………
]
```

Creating a new reviewer

- **Request:**
- **Method:** POST
- **Protocol: HTTP/1.1**

Address: /reviewers

Body:

```
{

"name":"Emily R."

}
```

Response (201 CREATED)

Body:

```
{
      "Http_status”: “success”,
      “id”: 10,
      "name":"Emily R."
      "created_at": "2024-10-03 02:41:41"
}
```

Reading a reviewer
Request:
Method: DELETE
Protocol: HTTP/1.1

Address: /reviewers/1
Body: {}

Response (200 OK)

Body:

```
[
{
      "id": 1,
      "name":"Emily R."
      "created_at": "2024-10-03 02:41:41"

}
```

Updating a review

- **Request:**
- **Method:** PATCH
- **Protocol: HTTP/1.1**

Address: /reviewers/3?name=Jimmy%20P.
Body: {}

Response (200 OK)
Body:

```
{

      "id": 1,
      "name":"Jimmy P."
      "created_at": "2024-10-03 02:41:41"

}
```

Deleting a Review
Request:
Method: DELETE
Protocol: HTTP/1.1

Address: /reviewers
Body: {}

Response (200 OK)
Body:

```
{
      "id":1,
      "deleted":"true"

}
```

Reading a rating for a review
Request:
Method: GET
Protocol: HTTP/1.1

Address: /reviews/1/rating
Body: {}

Response (200 OK)

Body:

```
[
{
      "id":5,
      "rating":"5/5"
      "ratingStar":"★★★★★"


}
```

Updating a review

- **Request:**
- **Method:** PATCH
- **Protocol: HTTP/1.1**

Address: /reviews/1/rating?id=3
Body: {}

Response (200 OK)
Body:

```
{

      "id":3,
      "rating":"3/5"
      "ratingStar":"★★★"
}
```