**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 rating**

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

**Address:** /reviews/1/rating?id=3

**Body:** {}

**Response (200 OK)**

**Body:**

**{**

"id":3,

"rating":"3/5"

"ratingStar":"★★★"

}