CineComment API – P45

*Short description of backend.. i.e. CineComment API is a basic web API listing Users, Movies, Comments, and allows to save user, movie, comment and delete or update them.*

**Endpoints:**

***1- Get list of All Movies***

Description: Lists all movies

Address: <http://localhost:8080/cinecomment/movies>

Method: GET

Returns: JSON Array:

[

{

        "id": "m1",

        "movieId": 1,

        "title": "The Godfather",

        "director": "Francis Ford Coppola",

        "genres": [

            "action",

            "horror"

        ],

        "duration": 175,

        "releaseDate": "1972-03-24",

        "description": "The aging patriarch of an organized crime dynasty transfers control of his clandestine empire to his reluctant son.",

        "ratingAverage": 0,

        "comments": []

    },

    {

        "id": "m2",

        "movieId": 2,

        "title": "The Shawshank Redemption",

        "director": "Frank Darabont",

        "genres": [

            "action",

            "horror"

        ],

        "duration": 142,

        "releaseDate": "1994-09-14",

        "description": "Two imprisoned",

        "ratingAverage": 0,

        "comments": []

    },

…

]

***2- Get list of Movie with Specified Id***

Description: Movie with specified id is returned

Address: [http://localhost:8080/cinecomment/movies](http://localhost:8080/movies)/find\_id/{movieId}

Method: GET

Returns: JSON Object:

{

    "id": "m1",

    "movieId": 1,

    "title": "The Godfather",

    "director": "Francis Ford Coppola",

    "genres": [

        "action",

        "horror"

    ],

    "duration": 175,

    "releaseDate": "1972-03-24",

    "description": "The aging patriarch of an organized crime dynasty transfers control of his clandestine empire to his reluctant son.",

    "ratingAverage": 0,

    "comments": []

}

***4- Get list of Movies with Specified Genre***

Description: Movies with specified genre are returned

Address: <http://localhost:8080/cinecomment/movies>/find\_genre/{genre}

Method: GET

Returns: JSON Array:

[

    {

        "id": "m3",

        "movieId": 3,

        "title": "The Dark Knight",

        "director": "Christopher Nolan",

        "genres": [

            "sci-fi"

        ],

        "duration": 152,

        "releaseDate": "2008-07-18",

        "description": "When the menace known as the Joker wreaks havoc and chaos on the people of Gotham, Batman must accept one of the greatest psychological and physical tests of his ability to fight injustice.",

        "ratingAverage": 0,

        "comments": []

    }

]

***5- Get list of Movie with Specified Title***

Description: Movies that include specified title are returned

Address: <http://localhost:8080/cinecomment/movies>/find\_title/{title}

Method: GET

Returns: JSON Array:

[

    {

        "id": "m1",

        "movieId": 1,

        "title": "The Godfather",

        "director": "Francis Ford Coppola",

        "genres": [

            "action",

            "horror"

        ],

        "duration": 175,

        "releaseDate": "1972-03-24",

        "description": "The aging patriarch of an organized crime dynasty transfers control of his clandestine empire to his reluctant son.",

        "ratingAverage": 0,

        "comments": []

    }

]

***6- Get list of Movies with Specified Duration***

Description: Movies that have more or equal duration than specified duration are returned.

Address: <http://localhost:8080/cinecomment/movies>/find\_duration/{duration}

Method: GET

Returns: JSON Array:

[

    {

        "id": "m1",

        "movieId": 1,

        "title": "The Godfather",

        "director": "Francis Ford Coppola",

        "genres": [

            "action",

            "horror"

        ],

        "duration": 175,

        "releaseDate": "1972-03-24",

        "description": "The aging patriarch of an organized crime dynasty transfers control of his clandestine empire to his reluctant son.",

        "ratingAverage": 0,

        "comments": []

    }

]

***7- Get list of Movies with Specified Director***

Description: Movies that have specified director are returned

Address: <http://localhost:8080/cinecomment/movies>/find\_director/{director}

Method: GET

Returns: JSON Array:

[

    {

        "id": "m3",

        "movieId": 3,

        "title": "The Dark Knight",

        "director": "Christopher Nolan",

        "genres": [

            "sci-fi"

        ],

        "duration": 152,

        "releaseDate": "2008-07-18",

        "description": "When the menace known as the Joker wreaks havoc and chaos on the people of Gotham, Batman must accept one of the greatest psychological and physical tests of his ability to fight injustice.",

        "ratingAverage": 0,

        "comments": []

    },

    {

        "id": "m7",

        "movieId": 7,

        "title": "Inception",

        "director": "Christopher Nolan",

        "genres": [

            "action",

            "horror"

        ],

        "duration": 148,

        "releaseDate": "2010-07-16",

        "description": "A thief who steals corporate secrets through the use of dream-sharing technology is given the inverse task of planting an idea into the mind of a C.E.O.",

        "ratingAverage": 0,

        "comments": []

    }

]

***8- Get list of Movie with Specified Release Date***

Description: Movies with specified release date are returned

Address: <http://localhost:8080/cinecomment/movies>/find\_date/{releaseDate}

Method: GET

Accepts: application/JSON:

Returns: JSON Array:

[

{

        "id": "m2",

        "movieId": 2,

        "title": "The Shawshank Redemption",

        "director": "Frank Darabont",

        "genres": [

            "action",

            "horror"

        ],

        "duration": 142,

        "releaseDate": "1994-09-14",

        "description": "Two imprisoned",

        "ratingAverage": 0,

        "comments": []

    },

]

***9- Save New Movie***

Description: saves a new movie

Address: <http://localhost:8080/cinecomment/movies>/save\_movie

Method: POST

Accepts: application/JSON:

{

    "id": "m8",

    "movieId" : 8,

    "title": "The Amazing Spider-man",

    "director" : "Marc Webb",

    "genres": ["actior", "sci-fi", "mystery"],

    "duration": 136,

    "releaseDate": "2012-07-03",

    "description": "wonder if spider will be able to save the city this time...",

    "ratingAverage": 0

}

Returns: JSON Object:

{

    "id": "m8",

    "movieId" : 8,

    "title": "The Amazing Spider-man",

    "director" : "Marc Webb",

    "genres": ["actior", "sci-fi", "mystery"],

    "duration": 136,

    "releaseDate": "2012-07-03",

    "description": "wonder if spider will be able to save the city this time...",

    "ratingAverage": 0

}

***10- Delete a Movie***

Description: deletes the movie that has specified title

Address: <http://localhost:8080/cinecomment/movies>/delete\_movie/{title}

Method: DELETE

Accepts: application/JSON:

Returns: JSON Object:

    {

        "id": "m8",

        "movieId": 8,

        "title": "The Amazing Spider-man",

        "director": "Marc Webb",

        "genres": [

            "actior",

            "sci-fi",

            "mystery"

        ],

        "duration": 136,

        "releaseDate": "2012-07-03",

        "description": "wonder if spider will be able to save the city this time...",

        "ratingAverage": 0,

        "comments": **null**

    }

***11- Get list of all Users***

Description: returns all of the users

Address: <http://localhost:8080/cinecomment/users>

Method: GET

Returns: JSON Array:

[

    {

        "id": "u1",

        "userId": 1,

        "username": "beko2429",

        "password": "24862684",

        "watchlist": [],

        "favorites": [],

        "comments": []

    },

]

***12- Get list of User with Specified Username***

Description: returns the user of specified username

Address: <http://localhost:8080/cinecomment/users>/find\_username/{username}

Method: GET

Returns: JSON Object:

{

    "id": "u1",

    "userId": 1,

    "username": "beko2429",

    "password": "24862684",

    "watchlist": [],

    "favorites": [],

    "comments": []

}

***13- Add New Movie to Watchlist***

Description: Adds new movie to watchlist

Address: <http://localhost:8080/cinecomment/users>/{username}/watchlist/add

Method: POST

Accepts: request parameter

Returns: JSON Object:

{

    "id": "m1",

    "movieId": 1,

    "title": "The Godfather",

    "director": "Francis Ford Coppola",

    "genres": [

        "action",

        "horror"

    ],

    "duration": 175,

    "releaseDate": "1972-03-24",

    "description": "The aging patriarch of an organized crime dynasty transfers control of his clandestine empire to his reluctant son.",

    "ratingAverage": 0,

    "comments": [

**null**

    ]

}

***14- Add New Movie to Favorites***

Description: Adds new movie to favorites

Address: <http://localhost:8080/cinecomment/users>/{username}/favorites /add

Method: POST

Accepts: request parameter

Returns: JSON Object:

{

    "id": "m1",

    "movieId": 1,

    "title": "The Godfather",

    "director": "Francis Ford Coppola",

    "genres": [

        "action",

        "horror"

    ],

    "duration": 175,

    "releaseDate": "1972-03-24",

    "description": "The aging patriarch of an organized crime dynasty transfers control of his clandestine empire to his reluctant son.",

    "ratingAverage": 0,

    "comments": [

**null**

    ]

}

***15- Get list of User’s Watchlist***

Description: returns all the films in watchlist of specified username.

Address: <http://localhost:8080/cinecomment/users>/{username}/show\_watchlist

Method: GET

Returns: JSON Array:

[

    {

        "id": "m7",

        "movieId": 7,

        "title": "Inception",

        "director": "Christopher Nolan",

        "genres": [

            "action",

            "horror"

        ],

        "duration": 148,

        "releaseDate": "2010-07-16",

        "description": "A thief who steals corporate secrets through the use of dream-sharing technology is given the inverse task of planting an idea into the mind of a C.E.O.",

        "ratingAverage": 0,

        "comments": []

    },

    {

        "id": "m1",

        "movieId": 1,

        "title": "The Godfather",

        "director": "Francis Ford Coppola",

        "genres": [

            "action",

            "horror"

        ],

        "duration": 175,

        "releaseDate": "1972-03-24",

        "description": "The aging patriarch of an organized crime dynasty transfers control of his clandestine empire to his reluctant son.",

        "ratingAverage": 0,

        "comments": [

**null**

        ]

    }

]

***16- Get list of User’s Favorites***

Description: returns all favorite films of specified username

Address: <http://localhost:8080/cinecomment/users>/{username}/show\_favorites

Method: GET

Returns: JSON Array:

[

    {

        "id": "m8",

        "movieId": 8,

        "title": "Interstellar",

        "director": "Christopher Nolan",

        "genres": [

            "actior",

            "sci-fi",

            "mystery"

        ],

        "duration": 164,

        "releaseDate": "2014-07-03",

        "description": "universe is full of mysteries",

        "ratingAverage": 0,

        "comments": **null**

    },

    {

        "id": "m1",

        "movieId": 1,

        "title": "The Godfather",

        "director": "Francis Ford Coppola",

        "genres": [

            "action",

            "horror"

        ],

        "duration": 175,

        "releaseDate": "1972-03-24",

        "description": "The aging patriarch of an organized crime dynasty transfers control of his clandestine empire to his reluctant son.",

        "ratingAverage": 0,

        "comments": [

**null**

        ]

    }

]

***17- Get list of User’s Comments***

Description: returns every comment of specified username

Address: <http://localhost:8080/cinecomment/users>/{username}/show\_comments

Method: GET

Returns: JSON Array:

[

    {

        "id": "c1",

        "commentId": "1",

        "rating": 4.8,

        "username": "beko2429",

        "comment": "this movie is fantastic!",

        "movieName": "the godfather"

    }

***18- Register User***

Description: registers a user

Address: <http://localhost:8080/cinecomment/users>/save\_user

Method: POST

Accepts: application/JSON:

{

    "userId": 3,

    "username": "faker",

    "password": "123456789"

}

Returns: JSON Object:

{

    "id": "u3",

    "userId": 3,

    "username": "faker",

    "password": "123456789",

    "watchlist": [],

    "favorites": [],

    "comments": []

}

***19- User Login***

Description: checks if the user enter the right credentials

Address: <http://localhost:8080/cinecomment/users>/login

Method: POST

Accepts: application/JSON:

{

    "username": "beko2429",

    "password": "24862684"

}

Returns: JSON Object:

{

    "time": "2024-05-01T23:11:27.1850224",

    "status": "OK",

    "data": {

        "id": "u1",

        "userId": 1,

        "username": "beko2429",

        "password": "24862684",

        "watchlist": [],

        "favorites": [],

        "comments": []

    }

}

***20- Delete User***

Description: Deletes the specified user

Address: <http://localhost:8080/cinecomment/users>/delete\_user

Method: DELETE

Accepts: request parameter

Returns: JSON Object:

    {

        "id": "u2",

        "userId": 2,

        "username": "Berkaygrow",

        "password": "135759",

        "watchlist": [],

        "favorites": [],

        "comments": []

    }

***21- Delete Comment of an User***

Description: Deletes the comment of specified movie

Address: [http://localhost:8080/cinecomment/users/{username}](http://localhost:8080/cinecomment/users/%7busername%7d)/delete\_comment

Method: DELETE

Accepts: application/JSON: request parameter

Returns: JSON Object:

{

    "id": "c1",

    "commentId": "1",

    "rating": 4.8,

    "username": "beko2429",

    "comment": "this movie is fantastic!",

    "movieName": "the godfather"

}

***22- Get list of All Comments***

Description: Returns all comments in database

Address: <http://localhost:8080/cinecomment/comments>

Method: GET

Returns: JSON Array:

[

    {

        "id": "c1",

        "commentId": "1",

        "rating": 4.8,

        "username": "beko2429",

        "comment": "this movie is fantastic!",

        "movieName": "the godfather"

    }

]

***23- Save new Comment***

Description: Saves a new comment

Address: <http://localhost:8080/cinecomment/comments>/save\_comment

Method: POST

Accepts: application/JSON:

{

    "id": "c1",

    "commentId":"1",

    "rating": 4.8,

    "username": "beko2429",

    "comment": "this movie is fantastic!",

    "movieName": "the godfather"

}

Returns: JSON Object:

{

    "id": "c1",

    "commentId":"1",

    "rating": 4.8,

    "username": "beko2429",

    "comment": "this movie is fantastic!",

    "movieName": "the godfather"

}