**Important Information**

This server is powered by AWS API Gateway using a proxy lambda function.

**REST Calls**

In the order that they appear:

**CALL 1:**

1. **URL:** [https://hpflx3jo63.execute-api.us-east-1.amazonaws.com/defaul](https://hpflx3jo63.execute-api.us-east-1.amazonaws.com/default)t/movieapi/{year}
2. **METHOD:** GET
3. **JSON-IN:** N/A
4. **JSON-OUT:**

**{**

**"movies":[**

**{**

**"year":"value",**

**"info": {**

**“actors”: [“Name1”,“Name2”,“Name3”,...],**

**“release\_date”: “value”**

**“plot” : “value”**

**“genres”: [“Genre1”, “Genre2”, “Genre3”,...],**

**“image\_url”: “value”,**

**“directors”: [“Director1,...],**

**“rating” : value,**

**“rank”: value,**

**“running\_time\_sec”: value**

**}**

**“title”: “movie”**

**},**

**…**

**]**

**}**

1. **DESCRIPTION:** When provided a year in the url, responds with an array of information for all movies released in that year

**CALL 2:**

1. **URL:** [https://hpflx3jo63.execute-api.us-east-1.amazonaws.com/defaul](https://hpflx3jo63.execute-api.us-east-1.amazonaws.com/default)t/movieapi/{year}/{title}
2. **METHOD:** GET
3. **JSON-IN: N/A**
4. **JSON-OUT:**

**{**

**“Comments”:[**

**{**

**“MOVIE\_NAME”: “value”,**

**“COMMENT\_ID”: “value”,**

**“MOVIE\_YEAR”: “value”,**

**“MOVIE\_COMMENT”: “value”**

**}**

**...**

**]**

**}**

1. **DESCRIPTION:** When provided a year and title, the API will return an array of JSON objects that are all the comments for that particular movie

**CALL 3:**

1. **URL:** [https://hpflx3jo63.execute-api.us-east-1.amazonaws.com/defaul](https://hpflx3jo63.execute-api.us-east-1.amazonaws.com/default)t/movieapi/{year}/{title}
2. **METHOD:**  POST
3. **JSON-IN:**

**{**

**“movie\_comment” : “value”**

**}**

1. **JSON-OUT:**

**{**

**“Message”:”value”,**

**“Data”: {**

**“TableName”: “value”,**

**“Item”: {**

**“COMMENT\_ID”: “value”,**

**“MOVIE\_NAME”: “value”,**

**“MOVIE\_YEAR”: “value”,**

**“MOVIE\_COMMENT”: “value”**

**}**

**}**

**}**

1. **DESCRIPTION:**  When provided a year and a title, as well as a JSON object containing a comment, the API adds the comment to the database.

**CALL 4:**

1. **URL:**

[https://hpflx3jo63.execute-api.us-east-1.amazonaws.com/defaul](https://hpflx3jo63.execute-api.us-east-1.amazonaws.com/default)t/movieapi/{uid}/{title}

1. **METHOD:** PUT
2. **JSON-IN:**

**{**

**"movie\_comment":"value"**

**}**

1. **JSON-OUT:**

**{**

**“Message”:”value”,**

**“Data”: {**

**“TableName”: “value”,**

**“Key”: {**

**“COMMENT\_ID”: “value”,**

**“MOVIE\_NAME”: “value”**

**}**

**“UpdateExpression”: “value”**

**“ExpressionAttributeValues”: {“key” : “value” }**

**}**

**}**

1. **DESCRIPTION:** Replaces an existing comment using the uid and title provided in the path, with the comment provided in the JSON input in the database

**CALL 5:**

1. **URL:**

[https://hpflx3jo63.execute-api.us-east-1.amazonaws.com/defaul](https://hpflx3jo63.execute-api.us-east-1.amazonaws.com/default)t/movieapi/{uid}/{title}

1. **METHOD:** DELETE
2. **JSON-IN: N/A**
3. **JSON-OUT:**

**{**

**"Message": "Comment sucessfully deleted!"**

**}**

**DESCRIPTION:** When provided a movie title and id in the path, deletes that comment from the database