API Specification

The purpose of API specification is the tool of communication between Back End Engineer and Front End Engineer so development can run parallel and avoid miscommunication.

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1. Auth

1.1 Log In

POST - http://localhost:8010/api/auth/login

Params :
N/A

Body :
```
{
  "email": "andy@example.com",
  "password": "rahasia123"
}
```

email	Required, email format
password	Required

Header :
N/A

Response :
1.Successful Response

```
HTTP Response code 200
{
  "success": true,
  "message": "Login success",
  "result": {
    "token": "em2sP5LHu4PI9oPrgh0515Qw2CCglEPDVaSPR0oWAl",
    "email": "andy@example.com",
    "role": "admin"
  }
}
```

2.Failed Response

```
HTTP Response code 400
{
  "success": false,
  "message": "Login failed"
```

```
}
```

3.Data not found

```
HTTP Response code 200
{
  "success": false,
  "message": "Data not found"
}
```

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2. Movie

2.1 Create Movie

POST - http://localhost:8010/api/movie

Params :
N/A

Query:
N/A

Body :
```
{
    "title": "Die Hard 2",
    "description": "Full action movies from 90",
    "duration": 120,
    "artists": "Bruce Willis",
    "genres": "action",
    "url": File(die_hard.mkv)
}
```

title	Text
description	Text
duration	Integer
artists	Text
genres	Text
url	File

Header :
Authorization: "Bearer Token"

Response :
1.Successful Response

```
HTTP Response code 200
{
  "success": true,
  "message": "Movie insert success",
  "result": ""
```

```
}
```

```
HTTP Response code 400
{
  "success": false,
  "message": "Movie insert failed"
}
```

2.2 Update Movie

PATCH - http://localhost:8010/api/movie/:id

Params :

id	Mandatory, id of movie

Query:
N/A

Body :
```
{

    "title": "Die Hard 2",

    "description": "Full action movies from 90",

    "duration": 120,

    "artists": "Bruce Willis",

    "genres": "action",

    "url": File(die_hard.mkv)

}
```

id	Text
title	Text
description	Text
duration	Integer
artists	Text
genres	Text
url	File

Header :
```
Authorization: "Bearer Token"
```

Response :
1.Successful Response

```
HTTP Response code 200
{
  "success": true,
  "message": "Movie update success",
  "result": ""
}
```

2.Failed Response

```
HTTP Response code 400
{
  "success": false,
  "message": "Movie update failed"
}
```

2.3 Get Most Viewed Movie

GET - http://localhost:8010/api/movie?sorted_by=most_viewed

Params :

sorted_by	Optional, values are "most_viewed"

Query:
N/A

Body :
```
N/A
```

Header :
```
Authorization: "Bearer Token"
```

Response :
1.Successful Response

```
HTTP Response code 200
{
    "success": true,
    "message": "Movie read success",
```

```
    "result": {
        "page": 1,
        "data": [
            {
                "id": "jrR_SKyqSvTWUfxRMQBNL",
                "title": "G.I. Joe",
                "description": "Super heroes will save the day",
                "duration": 180,
                "artists": "Lee Kwang",
                "genres": "action",
                "url": "public\\movies\\gijoe.mkv",
                "viewed": 102
            }
        ]
    }
}
```

2.Failed Response

```
HTTP Response code 400
{
  "status": false,
  "message": "Movie read failed"

}
```

3.Data is empty

```
HTTP Response code 200
{
  "success": true,
  "message": "Data is empty"
}
```

2.4 Get Most Viewed Genre

GET - http://localhost:8010/api/movie/most-viewed-genre

Params :

N/A

Query :
N/A

Body :
N/A

Header :
N/A

Response :
1.Successful Response

```
HTTP Response code 200
{
    "success": true,
    "message": "Genre read success",
    "result": [
        {
            "name": "comedy",
            "viewed": 89
        },
        {
            "name": "romance",
            "viewed": 78
        },
        {
            "name": "action",
            "viewed": 52
        }
    ]
}
```

2.Failed Response

```
HTTP Response code 400
{
  "status": false,
  "message": "Genre read failed"

}
```

3.Data is empty

```
HTTP Response code 200
{
  "success": true,
  "message": "Data is empty"
}
```

2.5 Read Movies With Pagination

GET - http://localhost:8010/api/movie?limit=:limit&index=:index

Params :
N/A

Query :

limit	Optional, default value is 5
index	Optional, default value is 0

Body :
N/A

Header :
Authorization: "Bearer Token"

Response :
1.Successful Response

```
HTTP Response code 200
{
    "success": true,
    "message": "Movie read success",
    "result": {
        "page": 1,
        "data": [
            {
                "id": "jrR_SKyqSvTWUfxRMQBNL",
                "title": "G.I. Joe",
                "description": "Super heroes will save the day",
                "duration": 180,
                "artists": "Lee Kwang",
```

```
                "genres": "action",

                "url": "public\\movies\\gijoe.mkv",

                "viewed": 102

            }

        ]

    }

}
```

2.Failed Response

```
HTTP Response code 400
{
  "status": false,
  "message": "Movie read failed"

}
```

3.Data is empty

```
HTTP Response code 200
{
  "success": true,
  "message": "Data is empty"
}
```

2.6 Search Movie

POST - http://localhost:8010/api/movie/search

Params :
N/A

Query:
N/A

Body :
```
{

    "search_by": "title",

    "keyword": "double"

}
```

search_by	Valid values are either "title", "artists", "genres" or "description"
keyword	Insert keyword

Header :

N/A

Response :

1.Successful Response

```
HTTP Response code 200
{
    "success": true,
    "message": "Movie search success",
    "result": [
        {
            "id": "Mrbq_QUC41EpefODYysMr",
            "title": "Double Date",
            "description": "Dating with their twin",
            "duration": 99,
            "artists": "Mia Ami",
            "genres": "romance",
            "url": "public\\movies\\dd.mkv",
            "viewed": 60
        }
    ]
}
```

2.Failed Response

```
HTTP Response code 400
{
  "status": false,
  "message": "Movie search failed"

}
```

3.Data is empty

```
HTTP Response code 200
```

```
{
  "success": true,
  "message": "Data is empty"
}
```

2.7 Track Movie Viewership

PATCH - http://localhost:8010/api/movie/:id/track-viewership

Params :

id	Id of movie

Query:
N/A

Body :
N/A

Header :
Authorization: "Bearer Token"

Response :
1.Successful Response

```
HTTP Response code 200
{
    "success": true,
    "message": "Viewership update success",
    "result": ""
}
```

2.Failed Response

```
HTTP Response code 400
{
  "status": false,
  "message": "Track viewership failed"

}
```

3.Data not found

```
HTTP Response code 400
{
  "success": true,
  "message": "Data not found"
}
```