

Movie6 Backend Coding Test

In this coding test, you are going to create an API service to provide movie list and movie details in JSON response.

Technical Requirement

Language and framework

You can choose one of the programming language and framework

1. Kotlin with SpringBoot / Ktor / Vert.x
2. go lang with Gin
3. python with Flask

Database

Use mongoDB as API service database

Tools & opensource

Please feel free to use any tools or opensource to help you complete the coding test

Tasks

Build a mongoDB docker image and docker file

1. Prepare MongoDB Docker file
2. Build Docker image
3. Run as Local and expose 27017 port

Import Data

You need to create a API service using one of recommended language and framework

1. Import provided "movies.csv" into mongoDB using simple program
2. Object ID should be in UUID
3. opendate should be store as UNIX timestamp (format: 1574246731)
4. opendate should change from UTC+8 to UTC+0

Create API service

1. Create API service program to provide API and connect mongoDB (mongodb://localhost:27017/)
2. Create Movie List API

```
GET http://localhost:5000/movies
Header = Content-Type: application/json'
```

```
[
  {
    "uuid": "00242132-e93b-11e6-9e8e-42010af003e6",
    "chi_name": "中文名",
    "eng_name": "eng name",
    "chi_genre": "genre...",
    "eng_genre": "genre...",
    "chi_director" : "director...",
    "eng_director" : "director...",
    "chi_cast" : "cast...",
    "eng_cast" : "cast...",
    "open_date" : 1574247143,
    "thumbnail" : "url...",
    "chi_synopsis": "text...",
    "eng_synopsis": "text...",
    "category": "IIB",
    "duration": 90,
  }
  ...
]
```

3. Create MovieDetail API

```
GET http://localhost:5000/movieDetail?uuid={uuid}
Header = Content-Type: application/json'
```

```
{
  "uuid": "00242132-e93b-11e6-9e8e-42010af003e6",
  "chi_name": "中文名",
  "eng_name": "eng name",
  "chi_genre": "genre...",
  "eng_genre": "genre...",
  "chi_director" : "director...",
  "eng_director" : "director...",
  "chi_cast" : "cast...",
  "eng_cast" : "cast...",
  "open_date" : 1574247143,
  "thumbnail" : "url...",
  "chi_synopsis": "text...",
  "eng_synopsis": "text...",
  "category": "IIB",
  "duration": 90,
}
```

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4. Create "README.md" and follow markdown language to mark how to run your program

Submit your code

1. Submit your code to GitLab / GitHub
2. Set as public
3. Send to responsitory link to hr@hkmovie6.com