Movie6 Coding Test

In this coding test, you are going to create a mobile application to show a movie list and movie details.

The application will be consisted of two pages, one for showing a movie list and one for showing movie details of a single movie. User should be able to navigate between the two pages. You can create the application in either Android, iOS or Web.

Technical Requirement
Select one platform for the coding test.

Android:
Kotlin is preferred, but Java is also acceptable.
Use Gradle build system instead of maven.
Use Android Studio instead of Eclipse.

iOS:
Use Swift as the programming language.
Use CocoaPods as the dependency manager.

Hybrid App:
React Native / Flutter
Reactive programming technique is preferred.

Web:
VueJS / ReactJS

Task 1: Movie List

In this task, you need to implement a movie list using data from a remote server. The data will be in JSON format. You will need to display the poster, title, rating etc. For each movie in List or Grid representation, each items should be able to be clicked and navigate to Movie Detail (Task 2). The expected layout can be found in screenshot 1 and 2.

Tab bar, Top bar button are not necessary to implement.

Task 2: Movie Detail

In this task, you will need to implement a movie detail page displaying the required information of the selected movie. The page should consist of a thumbnail slider and other text information as shown in screenshot 3.

Tab bar, Top bar button are not necessary to implement.

Task 3: Submit Source Code
Create a public repository in Github / Gitlab. Send the git public link, name, applying job position to hr@hkmovie6.com

API Documentation

1. Movie List: GET - https://api.hkmovie6.com/hkm/movies?type=showing
   Example Response:

```
[
    {
        "id": 48853,
        "uuid": "f0ec30d9-a1fe-4285-a8d6-313e8f2e6e2c",
        "name": "Integrity",
        "chiName": "廉政風雲 煙幕",
        "dbTrailerUrl": "https://www.youtube.com/watch?v=rAE6KFVfoLg,
https://www.youtube.com/watch?v=buuoYDOFEKA, https://www.youtube.com/watch?v=YYaiWG15yeI",
        "thumbnail": "https://storage.hkmovie6.com/prod/movie/movies_48853-2019-01-22-033913230.jpg",
        "openDate": "Tue 05 Feb 2019 00:00:00",
        "duration": 114,
        "synopsis": "The multi-year ICAC investigation into the Lida Conglomerate is on the brink of
collapse after the CEO's disappearance and the whistleblower's flight to England.\r\nTo salvage the
case, a top ICAC agent teams with a fellow investigator (who happens to be his estranged wife)\r\nand
risks their lives to bring the witness back to Hong Kong.",
        "chiSynopsis": "香煙貿易集團賄賂海關一案，被告在開庭前突然棄保潛逃，重要証人許植堯〔張家輝 飾〕亦神秘失
蹤。廉政公署總調查主任陳敬慈〔劉青雲 飾〕要在七天之內，翻查所有蛛絲馬跡；上級同時派出另一調查主任江雪兒〔林嘉欣
飾〕，趕赴澳洲遊說許植堯回港出庭作證。然而隨著死線日漸迫近，與案件有關的人相繼離奇死亡，線索亦逐一斷開... 原來許植
堯的神秘身份才是案情關鍵！要揭開重重煙幕，才能抽出私煙買賣的幕後黑手！",
        "rating": 395,
        "interestingness": 951,
        "commentCount": 390,
        "interestingnessComing": 38,
        "engNormalAltNames": "||廉政風雲||||integrity||",
        "favCount": 1120,
        "language": "Cantonese",
        "chiLanguage": "粵語",
        "isCommentable": true,
        "isShowPromoIcon": true,
        "isOpenMonth": false,
        "status": 1,
        "pagination": {
            "comments": [],
            "page": 0,
            "size": 10,
            "total": 390
        },
        "favourite": false,
        "notification": false,
        "screenShots": [

"https://storage.hkmovie6.com/prod/movie/screenshot_48853_1546225568263-2018-12-31-030608558.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_48853_1546225569044-2018-12-31-030609429.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_48853_1546225569546-2018-12-31-030610018.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_48853_1546225570130-2018-12-31-030610462.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_48853_1546225570575-2018-12-31-030610824.jpg",
```

"https://storage.hkmovie6.com/prod/movie/screenshot_48853_1546225570929-2018-12-31-030611222.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_48853_1548402867664-2019-01-25-075428094.jpg"
        ],
        "commentDate": "Tue 05 Feb 2019 00:00:00",
        "rateCount": 390,
        "multitrailers": [
            "https://www.youtube.com/watch?v=rAE6KFVfoLg",
            "https://www.youtube.com/watch?v=buuoYDOFEKA",
            "https://www.youtube.com/watch?v=YYaiWG15yeI"
        ],
        "trailerUrl": "https://www.youtube.com/watch?v=rAE6KFVfoLg",
        "infoDict": {
            "Cast": "Sean Lau, Nick Cheung, Karena Lam",
            "Category": "IIA",
            "Language": "Cantonese",
            "Director": "Alan Mak",
            "Duration": "114",
            "Genre": "Drama"
        },
        "chiInfoDict": {
            "演員": "劉青雲、張家輝、林嘉欣",
            "語言": "粵語",
            "級別": "IIA",
            "導演": "麥兆輝",
            "片長": "114",
            "類型": "劇情"
        }
    },
    {
        "id": 47804,
        "uuid": "1095019a-b4c1-433c-8c73-186c10079482",
        "name": "Alita: Battle Angel",
        "chiName": "銃夢：戰鬥天使",
        "dbTrailerUrl": "https://www.youtube.com/watch?v=iThMhxi4CxU,
https://www.youtube.com/watch?v=ak5kYJs6qUM",
        "thumbnail": "https://storage.hkmovie6.com/prod/movie/movies_47804-2018-12-21-074900862.jpg",
        "openDate": "Tue 05 Feb 2019 00:00:00",
        "duration": 122,
        "synopsis": "Visionary filmmakers James Cameron (AVATAR) and Robert Rodriguez (SIN CITY) create
a groundbreaking new heroine in ALITA: BATTLE ANGEL, an action-packed story of hope, love and
empowerment. Set several centuries in the future, the abandoned Alita (Rosa Salazar) is found in the
scrapyard of Iron City by Ido (Christoph Waltz), a compassionate cyber-doctor who takes the unconscious
cyborg Alita to his clinic. When Alita awakens she has no memory of who she is, nor does she have any
recognition of the world she finds herself in. Everything is new to Alita, every experience a first.
As she learns to navigate her new life and the treacherous streets of Iron City, Ido tries to shield
Alita from her mysterious past while her street-smart new friend, Hugo (Keean Johnson), offers instead
to help trigger her memories. A growing affection develops between the two until deadly forces come
after Alita and threaten her newfound relationships. It is then that Alita discovers she has
extraordinary fighting abilities that could be used to save the friends and family she's grown to love.
Determined to uncover the truth behind her origin, Alita sets out on a journey that will lead her to
take on the injustices of this dark, corrupt world, and discover that one young woman can change the
world in which she lives.\r\n",
        "chiSynopsis": "世紀票房神話之王占士金馬倫，繼《阿凡達》和《鐵達尼號》後，今年賀歲再度挑戰自我紀錄，聯同
監製好拍檔尊蘭度及《罪惡城》技驚國際大導演羅拔洛迪格斯，聯手炮製「二十世紀福斯影片」榮譽發行的新作《銃夢：戰鬥天

使》(ALITA: BATTLE ANGEL)！改編日本同名漫畫神作，打造一段天價科幻動作大歷險；奧斯卡得主《007：鬼影帝國》基斯杜化華茲、《綠簿旅友》出爐金球得主馬許沙拉艾利、奧斯卡得主《有你終生美麗》珍妮花康納莉、《移動迷宮：焦土試煉》上位新星羅莎沙拉撒主演，舉世期待。\r\n幾個世紀後的未來世界裡，合成人艾莉達 (Alita) 躺在Iron City廢鐵區中不省人事，幸得心地善良的機械醫師伊度，將她帶回工作室修理。艾莉達醒來時發現記憶全失，對身處世界一無所知，但一切簇新生活令她充滿好奇，到處探索。伊度極力隱藏艾莉達的神秘過去，而她好友曉高卻試圖勾起她失落記憶，兩人更漸生情愫；同時各方惡勢力逐漸叩上門，危及艾莉達至親，從而啟動她潛藏的逆天戰鬥力！為了解破身世之謎，艾莉達獨力踏上征途，對抗這個黑暗腐朽的世界！新世紀，需要新英雄！",
        "rating": 460,
        "interestingness": 950,
        "commentCount": 254,
        "interestingnessComing": 29,
        "engNormalAltNames": "||銃夢：戰鬥天使||||alitabattleangelscreenx||",
        "favCount": 1796,
        "language": "English",
        "chiLanguage": "英語",
        "isCommentable": true,
        "isShowPromoIcon": false,
        "isOpenMonth": false,
        "status": 1,
        "pagination": {
            "comments": [],
            "page": 0,
            "size": 10,
            "total": 254
        },
        "favourite": false,
        "notification": false,
        "screenShots": [

"https://storage.hkmovie6.com/prod/movie/screenshot_47804_1548300007664-2019-01-24-032007942.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_47804_1548300008086-2019-01-24-032008266.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_47804_1548300008391-2019-01-24-032008541.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_47804_1548300008652-2019-01-24-032009147.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_47804_1548300009308-2019-01-24-032009538.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_47804_1548300009667-2019-01-24-032009864.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_47804_1548319782959-2019-01-24-084943543.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_47804_1548319783874-2019-01-24-084944143.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_47804_1548319784272-2019-01-24-084944626.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_47804_1548319784751-2019-01-24-084944993.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_47804_1548319785126-2019-01-24-084945326.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_47804_1548319785445-2019-01-24-084945692.jpg"
        ],
        "commentDate": "Tue 05 Feb 2019 00:00:00",
        "rateCount": 254,
        "multitrailers": [

```
            "https://www.youtube.com/watch?v=iThMhxi4CxU",
            "https://www.youtube.com/watch?v=ak5kYJs6qUM"
        ],
        "trailerUrl": "https://www.youtube.com/watch?v=iThMhxi4CxU",
        "infoDict": {
            "Cast": "Christoph Waltz, Jennifer Connelly, Mahershala Ali, Rosa Salazar",
            "Category": "IIA",
            "Language": "English",
            "Director": "Robert Rodriguez",
            "Duration": "122",
            "Genre": "Sci-Fi, Action"
        },
        "chiInfoDict": {
            "演員": "基斯杜化華茲、珍妮花康納莉、 馬許沙拉艾利、羅莎沙拉撒",
            "語言": "英語",
            "級別": "IIA",
            "導演": "羅拔洛迪格斯",
            "片長": "122",
            "類型": "科幻、動作"
        }
    }
]
```

2. Movie Detail: GET - https://api.hkmovie6.com/hkm/movies/{movieId}, where the movieId is from the Movie List API.

Example Response:

```json
{
    "id": 48853,
    "uuid": "f0ec30d9-a1fe-4285-a8d6-313e8f2e6e2c",
    "name": "Integrity",
    "chiName": "廉政風雲 煙幕",
    "dbTrailerUrl": "https://www.youtube.com/watch?v=rAE6KFVfoLg,
https://www.youtube.com/watch?v=buuoYDOFEKA, https://www.youtube.com/watch?v=YYaiWG15yeI",
    "thumbnail": "https://storage.hkmovie6.com/prod/movie/movies_48853-2019-01-22-033913230.jpg",
    "openDate": "Tue 05 Feb 2019 00:00:00",
    "duration": 114,
    "synopsis": "The multi-year ICAC investigation into the Lida Conglomerate is on the brink of
collapse after the CEO's disappearance and the whistleblower's flight to England.\r\nTo salvage the
case, a top ICAC agent teams with a fellow investigator (who happens to be his estranged wife)\r\nand
risks their lives to bring the witness back to Hong Kong.",
    "chiSynopsis": "香煙貿易集團賄賂海關一案，被告在開庭前突然棄保潛逃，重要証人許植堯〔張家輝 飾〕亦神秘失蹤。
廉政公署總調查主任陳敬慈〔劉青雲 飾〕要在七天之內，翻查所有蛛絲馬跡；上級同時派出另一調查主任江雪兒〔林嘉欣 飾〕，
趕赴澳洲遊說許植堯回港出庭作證。然而隨著死線日漸迫近，與案件有關的人相繼離奇死亡，線索亦逐一斷開... 原來許植堯的神
秘身份才是案情關鍵！要揭開重重煙幕，才能抽出私煙買賣的幕後黑手！",
    "rating": 395,
    "interestingness": 942,
    "commentCount": 390,
    "interestingnessComing": 38,
    "engNormalAltNames": "||廉政風雲||||integrity||",
    "favCount": 1121,
    "language": "Cantonese",
    "chiLanguage": "粵語",
    "isCommentable": true,
    "isShowPromoIcon": true,
    "isOpenMonth": false,
    "status": 1,
    "pagination": {
        "comments": [],
        "page": 0,
        "size": 10,
        "total": 390
    },
    "favourite": false,
    "notification": false,
    "screenShots": [

"https://storage.hkmovie6.com/prod/movie/screenshot_48853_1546225568263-2018-12-31-030608558.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_48853_1546225569044-2018-12-31-030609429.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_48853_1546225569546-2018-12-31-030610018.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_48853_1546225570130-2018-12-31-030610462.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_48853_1546225570575-2018-12-31-030610824.jpg",

"https://storage.hkmovie6.com/prod/movie/screenshot_48853_1546225570929-2018-12-31-030611222.jpg",
```

```
  "https://storage.hkmovie6.com/prod/movie/screenshot_48853_1548402867664-2019-01-25-075428094.jpg"
    ],
    "commentDate": "Tue 05 Feb 2019 00:00:00",
    "rateCount": 390,
    "multitrailers": [
        "https://www.youtube.com/watch?v=rAE6KFVfoLg",
        "https://www.youtube.com/watch?v=buuoYDOFEKA",
        "https://www.youtube.com/watch?v=YYaiWG15yeI"
    ],
    "trailerUrl": "https://www.youtube.com/watch?v=rAE6KFVfoLg",
    "infoDict": {
        "Cast": "Sean Lau, Nick Cheung, Karena Lam",
        "Category": "IIA",
        "Language": "Cantonese",
        "Director": "Alan Mak",
        "Duration": "114",
        "Genre": "Drama"
    },
    "chiInfoDict": {
        "演員": "劉青雲、張家輝、林嘉欣",
        "語言": "粵語",
        "級別": "IIA",
        "導演": "麥兆輝",
        "片長": "114",
        "類型": "劇情"
    }
}
```

Screenshot 1: Movie list in Grid view

電影

3.9
★★★☆☆
廉政風雲 煙幕
♡ 1113 ☐ 387
2019年2月5日

4.6
★★★★☆
銃夢：戰鬥天使
♡ 1775 ☐ 250
2019年2月5日

3.7
★★★☆☆
新喜劇之王
♡ 1123 ☐ 302
2019年2月5日

4.3
★★★★☆
馴龍記3
♡ 1622 ☐ 84
2019年1月31日

3.7
★★★☆☆
恭喜八婆
♡ 862 ☐ 294
2019年1月31日

3.7
★★★☆☆
如珠如寶
♡ 604 ☐ 330
2019年1月31日

3.6
★★★☆☆
你咪理，我愛你！
♡ 760 ☐ 403
2019年1月31日

魔法保姆

Screenshot 2: Movie list in List view

Screenshot 3: Movie Detail