

COMP 2406 PROJECT CHECK-IN

Data Model Outline

Sample Movie Object

```
{
  "id": "0",
  "info": {
    "Title": "The Ballad of Cable Hogue",
    "Year": "1970",
    "Rated": "R",
    "Released": "18 Mar 1970",
    "Runtime": "121 min",
    "Genre": [
      "Comedy",
      "Drama",
      "Romance",
      "Western"
    ],
    "Director": [5],
    "Writer": [2, 4],
    "Actors": [3, 4, 6, 7],

    "Plot": "A hobo accidentally stumbles onto a water spring, and creates a
profitable way station in the middle of the desert.",
    "Awards": "1 win & 1 nomination.",
    "Poster":
"https://m.media-amazon.com/images/M/MV5BMTQwMjkwNjE0Ml5BMl5BanBnXkFtZTgwOTU5ODIyMT
E@._V1_SX300.jpg",
    "Reviews": [1, 4, 5],
    "SimilarMovies": [1, 3]
  }
}
```

id: an int greater than or equal to 0, representing the position in the json file

info: object, all the info about the movie. All key names within info are capitalized:

Title: String, the title of the movie

Year: String, the year the movie was released

Rated: String, the rating of the movie (G/PG/PG-13/R/NC-17)

Released: String, the date of the release

Runtime: String, the duration of the movie

Genre: String array, lists the genres of the movie

Director: int array, lists the person IDs of directors of the movie

Writer: int array, lists the person IDs of writers of the movie

Actors: int array, lists the person IDs of lead actors of the movie

Plot: String, the basic premise of the movie

Awards: String, the awards and nominations the movie received

Poster: String, URL of the movie poster

Reviews: int array of review objects, review IDs of review objects

SimilarMovies: int array of movie IDs of similar movies

Sample User Object

```
{
  "id":1,
  "info":{
    "username":"poggerUser20",
    "usersFollowedBy":[2, 3, 4, 5],
    "usersFollowing":[2, 3, 4],
    "personsFollowing":[0, 3, 4],
    "dateAccountCreated":"2018-04-06T09:27:13.14Z",
    "contributingUser": "true",
    "reviews": [0, 1, 2],
    "feedPosts": [0, 1, 2, 3, 4],
    "notifications": [0, 1, 2],
    "watchlist": [0, 3, 4]
  }
}
```

id: an integer that uniquely identifies the user

info: the internal object that holds the rest of the attributes for the user object

username: String, represents the user's username

usersFollowedBy: int array the IDs of the users that follow this user

usersFollowing: int array, the IDs of the users that this user is following

personsFollowing: int array, the IDs of the persons that this user is following

dateAccountCreated: String, the date that the user created the account

contributingUser: String of boolean, represents if the user is able to add new movies and persons to the database

reviews: IDs of the reviews that the user has written

feedPosts: IDs of the posts that show up on the user's feed

Notifications: IDs of the notifications that show up for the user

watchlist: IDs of the movies that the user has added to their watchlist

Sample Person Object

```
{
  "id":0,
  "firstName":"Viola",
  "lastName":"Davis",
  "occupation":"Actor",
  "actedIn":[0, 2],
}
```

```
"directed":[],  
"written":[],  
"Top5":[0, 2, 3, 4, 5]  
  
}
```

id: an int that uniquely identifies the user

firstName: a string of the person's first name

lastName: a string of the person's last name

occupation: a string of the person's occupation (Actor, Director, Writer). If the person has more than one occupation, (e.g. someone has both acted in and directed movies) it will be in the form "Actor, Director".

actedIn: int array of movie IDs that the person has acted in

directed: int array of movie IDs that the person has directed

written: int array of movie IDs that the person has written

top5: int array of person IDs of the person's top 5 collaborators

Sample Review Object

```
{  
  "id": 0,  
  "movieId":1,  
  "reviewerId": 1,  
  "rating":7,  
  "review":"This movie was alright!",  
  "dateReviewed":"2020-10-01"  
}
```

id: an int that uniquely identifies the review

movieId: an int, ID of the movie that the review is for

reviewerId: an int, person ID of the person who wrote the review

rating: an int in the range [0-10]

review: String, the review itself

dateReviewed: String, the day the review was added

Sample Feed Post Object

```
{  
  "id":0,  
  "feedUserId":1,  
  "subjectId":2,  
  "postType":"review",  
  "subjectMovieId":1,  
  "date": "2021-02-27T14:51:19.14Z"  
}
```

id: int, unique ID of the feed post

feedUserId: int, ID of the user whose feed this post is to appear on

subjectId: int, ID of the subject that the review is about (e.g. is it's a user's review, then subjectId would be the reviewer's id)

postType: String, the type of the feed post

subjectMovieId: int, ID of the movie in question (what the feed post is about, for example what movie the review is about, or what movie the person is starring in)

date: String, the day the feed post was made

Sample Notification Object

```
{
  "id":0,
  "info":{
    "notifiedUserId":1,
    "subjectId":2,
    "notifType":"review",
    "subjectMovieId":1,
    "date": "2021-02-27T14:51:19.14Z",
    "read":false
  }
}
```

id: int, unique ID of the feed post

notifiedUserId: int, ID of the user that is notified

subjectId: int, ID of the subject that the review is about (e.g. is it's a user's review, then subjectId would be the reviewer's id)

notifType: String, the type of the notification

subjectMovieId: int, ID of the movie in question (what the notification is about, for example what movie the review is about, or what movie the person is starring in)

date: String, the day the notification was made,

Read: boolean, determines whether the post was read