

# Movie Forum / Review Site

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## Users

The Users collection will store all user information. The users will be able to login, start forums, post movie reviews, and create a movie to-watch list.

```
{
  "firstName": "John",
  "lastName": "Doe",
  "userName": "MiniKarateKid",
  "Email": "JDoe@gmail.com",
  "City": "Hoboken",
  "State": "NJ",
  "Age": "25",
  "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
  "encryptedPassword":
    "$2a$08$XdvNkfdNIL8F8xsuIUeSbNOFgK0M0iV5HOskfVn7.PWncShU.O",
  "userPosts": [7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310,
    7b696a2-d0f2-4g8g-h67d-7a1d4b6b6710],
  "userReviews": [7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310,
    7b696a2-d0f2-4g8g-h67d-7a1d4b6b6710],
  "movieList": [7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310,
    7b696a2-d0f2-4g8g-h67d-7a1d4b6b6710]
}
```

Name	Type	Description
firstName	String	First name of user
lastName	String	Last name of user
userName	String	Username of user
Email	String	Email of user

City	String	City that the user lives in
State	String	State that the user lives in
Age	Number	Age of the user
_id	ObjectId	The id of the user's profile
encryptedPassword	String	Encrypted password of the user
userPosts	Array	Array of the ids of each of the user's forum posts
userReviews	Array	Array of ids of each of the user's movie reviews
movieList	Array	Array of ids of each of the user's movies in their to-watch list

## Movies

The movies collection will store all of the movies available to be reviewed on the site, along with their information. It will also contain an array of its corresponding review ids.

**We are getting the movies database from an outside source, we are not making our own. The database is from <https://www.themoviedb.org/> and the schema they provide is <https://developers.themoviedb.org/3/movies/get-movie-details>**

```
{
  "_id": "50384768973465958213",
  "tmdbID" : "550",
  "reviews" : ["7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310", "3453455"],
  "averageRating" : "3.8"
```

```
}
```

Name	Type	Description
_id	ObjectID	ID of the movie
tmdbID	ObjectID	ID for the Movie Database Api Movie
reviews	Array	Array of review IDs
averageRating	Number	The average rating of the reviews array

## Reviews

The reviews collection will store all reviews from all users. Users can see a list of reviews for each movie they look at.

```
{
  "userId": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310"
  "movieId": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
  "rating": "5",
  "_id" : "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
  "dateOfReview": "5/10/2020",
  "review": "It was Good",
}
```

Name	Type	Description
userId	ObjectId	The id of the user who wrote the review
movieId	ObjectId	The id of the movie that is being reviewed
_id	ObjectId	The id of the review

rating	Number	The rating that the user gave the movie
dateOfReview	Date	The date that the user wrote the review.
review	String	The review that the user wrote for the movie

## Forums

The forums collection will store all discussion posts. Users will be able to see a list of discussions for each movie.

```
{
  "postCreatorId": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310"
  "movieId": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
  "_id" : "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
  "discussionTitle": "Why I like this Movie",
  "dateOfPosting": "5/10/2020",
  "forumContent": "It was Good",
  "replies": [{
    "commentorID": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310"
    "dateOfPosting": "5/10/2020",
    "comment": "It was Good",
    "replies": ["7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310", "463768326"]
  }]
}
```

Name	Type	Description
postCreatorId	ObjectId	The id of the user that created the post
movieId	ObjectId	The id of the movie the post is about

<code>_id</code>	ObjectId	The id of the discussion post
<code>discussionTitle</code>	String	The title of the discussion post
<code>dateOfPosting</code>	Date	The date that the post was created
<code>forumContent</code>	String	What the user writes in their discussion post
<code>replies</code>	Array	An array of comments, which are Strings

## Comments (Subdocument, not a collection)

This is a subdocument of forums, comments can also have replies, meaning that comments can also be Subdocuments of other comments.

```
{
  "commentorID": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
  "_id": "35424364",
  "dateOfPosting": "5/10/2020",
  "comment": "It was Good",
  "replies": [{
    "commentorID": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
    "_id": "35424364",
    "dateOfPosting": "5/10/2020",
    "comment": "It was Good",
    "replies": [{}]
  }]
}
```

Name	Type	Description
<code>commentorID</code>	String	ID for the user of the comment

_id	ObjectID	ID for the comment
dateOfPosting	String	The date of the comment
comment	String	The content of the comment
replies	Array	Array of Comment Subdocuments