**Music Forum - TOP MUSIC**

**GIT**

<https://github.com/janki1997/TOP-MUSIC>

**TEAM**

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Users

The user collection will store all users. Users will be able to login, make/reply to threads, and vote on their favorite artists and genres. The 3 artists and 3 genres the user selected as well as the threads they’ve made and replied to will be stored.

{

“\_id”: “7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310”,

“firstName”: “John”,

“lastName”: “Doe”,

“email”: “JDoe@gmail.com”,

“gender”: “M”,

“dateOfBirth”: “01/01/1901”,

“favArtists”: [“AC/DC”, “Billie Eilish”, “Eminem”],

“favGenres”: [“Rock”, “Pop”, “Rap”],

“userThreads”: [7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310],

“userReplies”: [7b696a2-d0f2-4g8g-h67d-7a1d4b6b6710],

“hashedPassword”:

“$2a$08$XdvNkfdNIL8F8xsuIUeSbNOFgK0M0iV5HOskfVn7.PWncShU.O”

}

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| \_id | string | A globally unique identifier to represent the user. |
| firstName | string | The user’s first name. |
| lastName | string | The user’s last name. |
| email | string | The user’s email. |
| gender | string | The user’s gender. |
| dateOfBirth | date | The user’s date of birth. |
| favArtists | array | An array that stores the 3 artists the user selected. |
| favGenres | array | An array that stores the 3 genres the user selected. |
| userThreads | array | An array of thread ids that the user has created. |
| userReplies | array | An array of thread ids that the user has replied to. |
| hashPassword | string | The password when users log in. |

Threads

The Threads collection will store all threads created by the users, each of which can be upvoted or downvoted. There is the option to add artist and genre tags to the thread that get stored in separate arrays. It stores the ids of the replies to the thread in an array.

{

“datePosted”: “01/01/2020”

“title”: “Artist of the Month”,

“body”: “Please comment your favorite artists for this month.”,

“userID”: “9b7137a2-d1d2-4f8c-b27a-6a1d4b5b6310”,

“numLikes”: “52”,

“numDislikes”: “3”,

“artists”: [],

“genres”: [],

“replies”: [“7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310”,

“7b696a2-d0f2-4g8g-h67d-7a1d4b6b6710”]

}

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| \_id | string | Stores the thread id |
| datePosted | date | Stores the date that the thread was created |
| title | string | Stores the title of the created thread |
| body | string | Stores the body of the thread post |
| userID | string | Stores the id of the user who created the thread |
| numLikes | number | The number of upvotes on a thread |
| numDislikes | number | The number of downvotes on a thread |
| artists | array | The relevant artists relating to the thread (optional tags for the user to select) |
| genres | array | The relevant genres relating to the thread (optional tags for the user to select) |
| replies | array | Stores the reply ids to the thread |

Artists and Genres

The Artists and Genres collection will store a preset list of Top 100 artist choices based on the data from the Billboard Hot 100 and Apple Music charts and a preset list of music genres based on data from Billboard and Apple Music.

{

“artists”: [{

“artistName”: “AC/DC”,

“artistGenres”: [“Rock”]

},

{

“artistName”: “Eminem”,

“artistGenres”: [“Rap”]

}],

“genres”: [“Rock”, “Pop”, “Rap”]

}

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| artists | array | Stores an array of the artists’ names and genres |
| genres | array | Stores an array of genres |

Metrics

The Metrics collection contains the total votes of each choice of artist and genre.

{

“artistCount”: {

“AC/DC”: “10”,

“Billie Eilish”: “40”

},

“genreCount”: {

“Rock”: “22”,

“Pop”: “60”

}

}

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| artistCount | object | Stores object of user selected fav artist and count |
| genreCount | object | Stores object of user selected fav genre and count |