

# Runner's Lobby DB Proposal

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## Users

The users collection will store all users. Users will be able to login, update their details, add friends, block users, like reviews or threads, save reviews and post reviews, threads or comments.

Here is the structure of Users:

```
{
  "_id": {   "ObjectId": "62771852b70f7a05bced728e"  }
  "firstName": "asd",
  "lastName": "as",
  "email": "abcd@abc.com",
  "password":
"$2b$16$7qpkePMKePqyARyy6IR05.eM9ElpKPj8Xcw6QOA817vcweJLbU5lu",
  "gender": "m",
  "city": "ddf",
  "state": "ddf",
  "age": "18",
  "friends": {},
  "friendReq": {},
  "friendReqSent": {},
  "userReviews": {},
  "userThreads": {},
  "userLikes": {},
  "blockedUsers": {},
  "savedReviews": {}
}
```

Name	Type	Description
_id	string	Uniquely identify each user.
password	string	Hash Value of the password
firstName	string	First name of the user
lastName	string	Last name of the user

email	string	User's email
gender	string	User's gender
city	string	City where the user is residing
state	string	State where the user is residing
age	number	Age of the user
friends	object	An object contains friends userId
friendReq	object	An object contains friends request
friendReqSent	object	An object contains friends request sent by user
userReviews	object	An object that stores the review_id which the user created.
userLikes	object	An object that stores the review_id which the user liked.
blockedUsers	object	An object that stores the user_id which the user doesn't want them to see any content related to the user.
savedReviews	object	An object that stores the review_id which the user wants to save.

## Reviews

The reviews collection will store all reviews posted by the user. It contains the comments and voting related to the review.

Here is the structure of reviews:

```
{
  "_id": { "ObjectId": "6277186cb70f7a05bced728f" },
  "title": "asdf",
  "category": "asdf",
  "review": "adfdfsdfdsfasdfsaf",
  "postedDate": "2022/05/08",
  "rating": "3",
  "userID": "62771852b70f7a05bced728e",
  "name": "asd as",
  "likes": {},
  "comments": []
}
```

Name	Type	Description
_id	string	Uniquely identify each review.
user_id	string	Unique ID of the user
title	string	Name of review gear.
category	string	Category of review gear, such as shoes, t-shirts.
postedDate	date	Store the date that the review was created.
review	string	Review of gear.
rating	number	Rating of gear.
name	string	Name of the user who made this review
likes	object	An object that stores the id and name of users who liked this review.
comments	array	An array that stores the comments for the review.

## Threads

The threads collection will store all threads posted by the user. It contains the comments and voting related to the review.

Here is the structure of threads:

```
{
  "_id": { "ObjectId": "62780f01756671743aaa7837" },
  "title": "afdasfs",
  "postedDate": "2022/05/09",
  "text": "adsfadfasdfs",
  "voting": 0,
  "userId": "627871ff1189cdf283b3d0d4",
  "userName": "Runner Lover",
  "likes": {},
  "comments": []
}
```

Name	Type	Description
_id	string	Uniquely identify each thread.
title	string	Title of the thread.

postedDate	date	Store the date that the thread was created.
text	string	Main text of thread.
voting	number	Total number of Like - Dislike for the thread.
userId	string	userId for the user who made this thread.
userName	string	userName for the user who made this thread.
likes	object	An object that stores the id of users who liked/disliked this thread.
comments	sub-document	A sub-document that stores the comments for the thread.

## Comments

Comments is a sub-document of threads.

Here is the structure of thread comments:

```
{
  "_id": "c5f6392c-27ac-4ecd-b552-313645f2102cf",
  "userName": "asd as",
  "userID": "a6f6390c-27ac-4ecd-b452-310820f2102c",
  "comment": "sdjfoewjf"
}
```

Name	Type	Description
_id	string	Uniquely identify each comment.
userName	string	Name of user who made this comment
userID	string	Unique ID of the person who posted the comment.
comment	string	The comment text.