

John Spicer  
Sam Pelton  
Michael Osorio

### Database Proposal: The Book of Mark

**Users:** The user collection will store users and profile information. Users should be able to login, post new experiences, post reviews, and up or downvote existing experiences.

Name	Type	Description
_id	string	A unique identifier for the user
sessionId	string	A unique identifier to keep track of user sessions
password	string	A hashed version of the user's password
bio	string	A text description added by the user
username	string	A username selected by the user

```
{
  "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
  "sessionId": "b3988882-627f-4c59-8d5d-54b7a43b030e",

  "password": "$2a$08$XdvNkfdNIL8Fq7l8xsuIUeSbNOFgK0M0iV5H0skfVn7.PWncShU.0",
  "bio": "I am a mountain climber",

  "username": "bewchy"
}
```

**Categories:** The categories collection will store all of the information for each category of experience. There can also exist subcategories, for which the parent category is listed in this collection. Categories with no parents will have null for this field.

Name	Type	Description
_id	string	A unique identifier to represent the category
name	string	A name for the category
parent	string	Contains the _id of the parent category (if there is no parent, this will be null)
desc	string	A description for the category

```
{
  "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
  "name": "Travel",
  "parent": "",
  "desc": "Experiences of traveling anywhere and everywhere"
}
```

Experiences: The experiences collection contains experiences added by users. It contains information about the category the experience is placed in, the user who created the experience, and a subdocument containing reviews for the experience.

Name	Type	Description
_id	string	A unique identifier to represent.
name	string	A name for the experience.
category	string	The _id of the category that the experience will be listed under.
addedOn	date	A timestamp to store when the experience was added

reviews	review array	An array of reviews of the experience.
likes	int	Number of likes for the experience

```
{
  "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
  "name": "Mt. Kilimanjaro",
  "category": "Travel",
  "addedOn": "2017-3-21 3:4:41",
  "reviews" : [
    {
      "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
      "user": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
      "text": "My journey to the peak of the mountain, was a freeing and emotionally powerful experience.",
      "rating": "9",
      "title": "Journey to the Peak",
      "likes": "0",
      "createdOn": "2017-3-21 3:4:41",
      "dateOf": "August 2016"
    }
  ]
}
```

Reviews (subdocument; not stored in a collection): A review of an experience.

Name	Type	Description
_id	string	A unique identifier for the review.
user	string	The _id of the user who posted the review
text	string	The text review of the

		experience.
rating	int	A rating of the experience on a scale from 1-10.
title	string	A title for the review.
likes	int	Number of likes for the review.
createdOn	date	The time the user created the review.
dateOf	string	When the experience occurred for the user.

```
{
  "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
  "user": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
  "text": "My journey to the peak of the mountain, was a freeing and
emotionally powerful experience.",
  "rating": "9",
  "title": "Journey to the Peak",
  "likes": "0",
  "createdOn": "2017-3-21 3:4:41",
  "dateOf": "August 2016"
}
```