

Final Database Proposal

Nicholai L'Esperance

1. Group: None

2. Collection Name: **Users**

a. This collection contains information specific to each user.

Field Name	Field Type	Description
username	Text	Visible username
title	Text	Mr., Ms, Dr, etc
firstName	Text	User's first name
lastName	Text	User's surname
_id	ObjectId	Mongo ID
inventory	array	Array of Mongo IDs

b. Example:

```
{
  username: "HomerS",
  title: "Mr.",
  firstName: "Homer",
  lastName: "Simpson",
  _id: 5d3f75217ceba7dfe0b634ec,
  inventory: [5d3f752f7ceba7dfe0b634ee, ...]
}
```

3. Collection Name: **Ingredients**

a. This collection is used to store all of the known ingredients.

Field Name	Field Type	Description
name	Text	Ingredient name
type	Text	Broadly speaking what is it: mixer, spirit, beer, etc
abv	Numerical	Approx abv
categories	Array	More specific than type, multiple may apply (see ex)
_id	ObjectId	Mongo ID

b. Example:

```
{
  name: "Maker's Mark",
  type: "Spirit",
  abv: "45",
  category: ["Bourbon", "Whiskey"],
  _id: 98e3f75217ce935dfe0b63df5
}
```

4. Collection Name: **Recipes**

a. This collection is stores our recipes

Field Name	Field Type	Description
name	Text	recipe name
ingredients	Object Array	Array of ingredient IDs and respective quantities
steps	Array	Array of string steps
_id	ObjectId	Mongo ID
feedback	Array	Array of comment/rating IDs

b. Example:

```
{
  name: "Bourbon (Double)",
  ingredients: [{98e3f75217ce935dfe0b63df5: 1.5oz},
                {98e3f75217ce935dfe0b63df5: 1.5oz},
                ...
              ],
  steps: ["Add bourbon to glass", "Add more bourbon to glass"],
  category: ["Bourbon", "Whiskey"],
  _id: 98e3f75217ce935dfe0b63df5
}
```

5. (Optional) Collection Name: **Feedback**

- a. Amazon style reviews/comments. One per user per product. Comment and rating.

Field Name	Field Type	Description
username	Text	User that gave feedback
comment	Text	Comment text
rating	Numerical	0-5 in half steps
_id	ObjectId	Mongo ID

- b. Example:

```
{
  name: "HomerS",
  comment: "This Duff Beer is fantastic"
  rating: 5,
  _id: 83604f217ce935dfefec674
}
```