**Final Database Proposal**

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1. Group: None
2. Collection Name: **Users**
   1. This collection contains information specific to each user.

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| **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 |

* 1. Example:  
     {  
      username: “HomerS”,  
      title: “Mr.”,  
      firstName: “Homer”,   
      lastName: “Simpson”,  
      \_id: 5d3f75217ceba7dfe0b634ec,  
      inventory: [5d3f752f7ceba7dfe0b634ee, …]  
     }

1. Collection Name: **Ingredients**
   1. This collection is used to store all of the known ingredients.

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| --- | --- | --- |
| **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 |

* 1. Example:  
     {  
      name: “Maker’s Mark”,  
      type: “Spirit”,  
      abv: “45”,   
      category: [“Bourbon”, “Whiskey”],  
      \_id: 98e3f75217ce935dfe0b63df5   
     }

1. Collection Name: **Recipes**
   1. This collection is stores our recipes

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| --- | --- | --- |
| **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 |

* 1. 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   
     }

1. (Optional) Collection Name: **Feedback**
   1. Amazon style reviews/comments. One per user per product. Comment and rating.

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| --- | --- | --- |
| **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 |

* 1. Example:  
     {  
      name: “HomerS”,  
      comment: ”This Duff Beer is fantastic”  
      rating: 5,   
      \_id: 83604f217ce935dfefec674   
     }