Our project is going to be using MongoDB as our database and we will be using MongoDB to create our cache also.

Our cache is going to store the same information that our user will be able to see, including the recipe name, the ingredients, calories, etc.

Cache:

recipe **document**

{

term: string,

label: string,

image: string,

recipe\_url: string,

yield: int, // number of servings

calories: int,

ingredientLines: [ // list of string

string,

string

]

}

restaurant **document**

{

term: string,

name: string,

location: [ //array

address: string,

locality: string,

city: string,

zipcode: int,

]

Image: string,

menuList: [ //array

string,

...

]

review: [ //array

score: int,

comment: string,

]

}

Database:

user **document**

{

\_id: <ObjectId1>,

username: “myyan”,

password: ”password1” // hashed string

favorite\_recipe: [ <ObjectId2>, ... ],

favorite\_restaurant: [ <ObjectId3>, …]

}

recipe **document**

{

\_id: <ObjectId2>,

label: string,

image: string,

recipe\_url: string,

yield: int, // number of servings

calories: int,

ingredientLines: [ // list of string

string,

string

]

}

restaurant **document**

{

\_id: <ObjectId3>,

name: string,

location: [ //array

address: string,

locality: string,

city: string,

zipcode: int,

]

Image: string,

menuList: [ //array

string,

...

]

review: [ //array

score: int,

comment: string,

]

}

3.

