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.