Yummy Delicious! What's in My Pantry?

Technology Selection

Persistence layer is noSQL database, MongoDB. This is the ideal choice for a very simplistic web application that manages lists of items for use with basic CRUD operations.

Inventory Table

The inventory table holds information about a grocery/household item, such as: name, quantity, expiry date, location, and photo object. This will interact with the User and Interface tables in order to interact with inventory objects, such as: add, edit or delete items.

JSON

```json
{
    "itemName": {
        "S": "Sample Item Name"
    },
    "quantity": {
        "S": "3"
    },
    "expiryDate": {
        "S": "mm.dd.yyyy"
    },
    "location": {
        "N": "1"
    },
    "locationImageUri": {
        "S": "https://www.placeholder.com/images/placeholder.png"
    },
    "itemId": {
        "S": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
    }
}
```

User Table

The User table holds information about the client-user such as whether or not they are a member of the application user registry, email address, and name. This table interacts with the InventoryInterface to obtain information inherited from the Inventory table indexed on **userID** to perform methods such as searching the inventory database by keyword found in the inventory object attributes.

JSON

```json
{
    "Member": {
        "BOOL": false
    },
    "email": {
        "S": "samplename@domain.com"
    },
    "fName": {
        "S": "First"
    },
    "lName": {
        "S": "Last"
    },
    "userId": {
        "S": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
    }
}
```