# Tabs

Gigi, Young, Tyler, Klein, Crystal, John

Oct 21, 2022

# CONTENTS:

CHAPTER

ONE

# TABS DOCUMENTATION

## 1.1 AddItemView

From **src/ui/pages/view/AddFoodItemView.tsx**

### 1.1.1 Description

View to add items

### 1.1.2 Parameters

| | |
|---|---|
| switchViewFunction | Callback for switching views |
| submitFunction | Callback for submitting |

### 1.1.3 Returns

| React element |
|---|

## 1.2 FolderBackdropActionButton

From **src/ui/fragments/view/FolderBackdropActionButton.tsx**

### 1.2.1 Description

Button styled for a folder backdrop

### 1.2.2 Parameters

| | |
|---|---|
| info | Title of the button |
| buttonFunction | Callback function |
| argument | Argument to pass into callback function |

## 1.3 FolderBackdropListFragment

From **src/ui/fragments/view/FolderBackdropFragment.tsx**

### 1.3.1 Description

Backdrop container styled to look like a folder

### 1.3.2 Parameters

| | |
|---|---|
| props | Fragment configuration |

### 1.3.3 Returns

| |
|---|
| React element for the function |

## 1.4 FolderBackdropTextInputField

From **src/ui/fragments/view/FolderBackdropTextInputField.tsx**

### 1.4.1 Description

Text field styled for a folder backdrop.

### 1.4.2 Parameters

| | |
|---|---|
| info | Hint and title of the text field |
| backRefFunction | Callback function when textfield is edited |

### 1.4.3 Returns

| |
|---|
| Text field React element |

## 1.5 FolderBackdropTextInputFieldArgument

From **src/ui/fragments/view/FolderBackdropTextInputField.tsx**

### 1.5.1 Description

### 1.5.2 Fields

| | |
|---|---|
| title | Title of the text field |
| hint | Hint for the text field |

## 1.6 HomePage

From **src/ui/pages/view/homePage.tsx**

### 1.6.1 Description

Home page of the app

### 1.6.2 Parameters

| | |
|---|---|
| navigation | Navigation element |

### 1.6.3 Returns

| |
|---|
| React element |

CHAPTER

# TWO

# TABS DOCUMENTATION

## 2.1 BillDocument

From **src/types/bill.ts**

### 2.1.1 Description

Represents the format of Bill object in the database

### 2.1.2 Fields

| | |
|---|---|
| billId | ID of document |
| houseId | |
| name | Name of bill |
| amount | Amount to be paid |
| split | Those who the bill is to be split amongst |
| dateCreated | |
| dateDue | |
| status | |

## 2.2 billResolver

From **src/resolvers/billResolver.ts**

### 2.2.1 Description

Resolver for bill

### 2.2.2 Methods

| |
|---|
| *billResolver.getBill* |
| *billResolver.addBill* |
| *billResolver.modifyAmount* |

## 2.3 billResolver.addBill

From **src/resolvers/billResolver.ts**

### 2.3.1 Description

Creates a bill

### 2.3.2 Parameters

| | |
|---|---|
| billId | |
| houseId | |
| name | |
| amount | |
| split | |
| dateCreated | |
| dateDue | |
| status | |

### 2.3.3 Returns

| |
|---|
| the document of the newly created bill |

## 2.4 billResolver.getBill

From **src/resolvers/billResolver.ts**

### 2.4.1 Description

Finds bills corresponding to the given house

### 2.4.2 Parameters

| | |
|---|---|
| houseId | |

### 2.4.3 Returns

| |
|---|
| an array of bill documents matching the given house |

## 2.5 billResolver.modifyAmount

From **src/resolvers/billResolver.ts**

### 2.5.1 Description

Modifies the amount of a given bill

### 2.5.2 Parameters

| | |
|---|---|
| billId | |
| amount | |

### 2.5.3 Returns

| |
|---|
| the new amount if successful, false otherwise |

## 2.6 CategoryDocument

From **src/types/category.ts**

### 2.6.1 Description

Represents the format of Category object in the database

### 2.6.2 Fields

| | |
|---|---|
| inventoryId | ID of inventory that this document belongs to |
| categoryId | ID of document |
| categoryName | |
| categoryDesc | |
| isRestricted | Whether or not non-owners/admins can make changes |
| owner | |
| admins | |

## 2.7 categoryResolver

From **src/resolvers/categoryResolver.ts**

### 2.7.1 Description

Resolver for category

### 2.7.2 Methods

| |
|---|
| *categoryResolver.addCat* |
| categoryResolver toggleRestriction |
| *categoryResolver.addAdmin* |
| *categoryResolver.removeAdmin* |
| *categoryResolver.changeCatName* |
| categoryResolver changeCatDesc |
| *categoryResolver.findCatsByInvId* |
| *categoryResolver.hasPermission* |

## 2.8 categoryResolver.addAdmin

From **src/resolvers/categoryResolver.ts**

### 2.8.1 Description

Adds a given user as an admin to the given category

### 2.8.2 Parameters

| | |
|---|---|
| userId | |
| categoryId | |
| targetUser | |

### 2.8.3 Returns

| |
|---|
| true if the operation was successful, false otherwise |

## 2.9 categoryResolver.addCat

From **src/resolvers/categoryResolver.ts**

### 2.9.1 Description

Creates a category in the given inventory

### 2.9.2 Parameters

| | |
|---|---|
| userId | |
| inventoryId | |
| categoryName | |
| categoryDesc | |
| isRestricted | |

### 2.9.3 Returns

| |
|---|
| the ID of the newly created category, null otherwise |

## 2.10 categoryResolver.changeCatName

From **src/resolvers/categoryResolver.ts**

### 2.10.1 Description

Changes the given category's description

### 2.10.2 Parameters

| | |
|---|---|
| userId | |
| categoryId | |
| categoryDesc | |

### 2.10.3 Returns

| |
|---|
| true if the operation was successful, false otherwise |

## 2.11 categoryResolver.findCatsByInvId

From **src/resolvers/categoryResolver.ts**

### 2.11.1 Description

Finds categories corresponding to the given inventory

### 2.11.2 Parameters

| | |
|---|---|
| inventoryId | |

### 2.11.3 Returns

| |
|---|
| an array of category documents in the given inventory |

## 2.12 categoryResolver.hasPermission

From **src/resolvers/categoryResolver.ts**

### 2.12.1 Description

Checks if the given user has permission to modify the category

### 2.12.2 Parameters

| | |
|---|---|
| userId | |
| categoryId | |

### 2.12.3 Returns

| |
|---|
| true if the user has permission, false otherwise |

## 2.13 categoryResolver.removeAdmin

From **src/resolvers/categoryResolver.ts**

### 2.13.1 Description

Removes a given user as an admin in the given category

### 2.13.2 Parameters

| | |
|---|---|
| userId | |
| categoryId | |
| targetUser | |

### 2.13.3 Returns

| |
|---|
| true if the operation was successful, false otherwise |

## 2.14 categoryResolver.toggleRestrictionFunc

From **src/resolvers/categoryResolver.ts**

### 2.14.1 Description

Toggles the restriction setting of the given category

### 2.14.2 Parameters

| | |
|---|---|
| userId | |
| categoryId | |

### 2.14.3 Returns

| |
|---|
| true if the operation was successful, false otherwise |

## 2.15 DebtDocument

From **src/types/debt.ts**

### 2.15.1 Description

Represents the format of Debt object in the database

### 2.15.2 Fields

| | |
|---|---|
| debtId | ID of document |
| debtTo | |
| debtFrom | |
| amount | Amount of debt |
| description | |
| dateCreated | |

## 2.16 debtResolver

From **src/resolvers/debtResolver.ts**

### 2.16.1 Description

Resolver for debt

### 2.16.2 Methods

| |
|---|
| *debtResolver.getDebtsTo* |
| *debtResolver.getDebtsFrom* |
| *debtResolver.getDebts* |
| *debtResolver.addDebt* |
| *debtResolver.modifyAmount* |

## 2.17 debtResolver.addDebt

From **src/resolvers/debtResolver.ts**

### 2.17.1 Description

Creates a debt

### 2.17.2 Parameters

| | |
|---|---|
| debtId | |
| debtTo | |
| debtFrom | |
| amount | |
| description | |
| dateCreated | |

### 2.17.3 Returns

| |
|---|
| the document of the newly created debt |

## 2.18 debtResolver.getDebts

From **src/resolvers/debtResolver.ts**

### 2.18.1 Description

Searchs for all the debts matching the parameters

### 2.18.2 Parameters

| | |
|---|---|
| debtFrom | |
| debtTo | |

### 2.18.3 Returns

| |
|---|
| a list of matching debt documents |

## 2.19 debtResolver.getDebtsFrom

From **src/resolvers/debtResolver.ts**

### 2.19.1 Description

Searchs for all the debts that the given user owes

### 2.19.2 Parameters

| | |
|---|---|
| debtFrom | |

### 2.19.3 Returns

| |
|---|
| a list of debt document that the given user owes |

## 2.20 debtResolver.getDebtsTo

From **src/resolvers/debtResolver.ts**

### 2.20.1 Description

Searchs for all the debts owed to the given user

### 2.20.2 Parameters

| | |
|---|---|
| debtTo | |

### 2.20.3 Returns

| |
|---|
| a list of debt document owed to the given user |

## 2.21 debtResolver.modifyAmount

From **src/resolvers/debtResolver.ts**

### 2.21.1 Description

Modifies the given debt's amount

### 2.21.2 Parameters

| | |
|---|---|
| debtId | |
| amount | |

### 2.21.3 Returns

| |
|---|
| the new amount, false otherwise |

## 2.22 InventoryDocument

From **src/types/inventory.ts**

### 2.22.1 Description

Represents the format of Inventory object in the database

### 2.22.2 Fields

| | |
|---|---|
| houseId | ID of house that this document belongs to |

## 2.23 inventoryResolver

From **src/resolvers/inventoryResolver.ts**

### 2.23.1 Description

Resolver for inventory

### 2.23.2 Methods

| |
|---|
| *inventoryResolver.findInventory* |
| *inventoryResolver.createInventory* |

## 2.24 inventoryResolver.createInventory

From **src/resolvers/inventoryResolver.ts**

### 2.24.1 Description

Creates an inventory for a given house

### 2.24.2 Parameters

| | |
|---|---|
| houseId | ID of the house the inventory belongs to |

### 2.24.3 Returns

| |
|---|
| ID of the current inventory |

## 2.25 inventoryResolver.findInventory

From **src/resolvers/inventoryResolver.ts**

### 2.25.1 Description

Finds inventories for a given house

### 2.25.2 Parameters

| | |
|---|---|
| houseId | ID of the house that the inventories belong to |

### 2.25.3 Returns

| |
|---|
| an array of IDs that belong to inventories that match the given houseId |

## 2.26 ItemDocument

From **src/types/item.ts**

### 2.26.1 Description

Represents the format of Item object in the database

### 2.26.2 Fields

| | |
|---|---|
| name | Name of document |
| categoryId | ID of category that this document belongs to |
| quantity | |
| expiration | |
| tags | |

## 2.27 itemResolver

From **src/resolvers/itemResolver.ts**

### 2.27.1 Description

Resolver for item

### 2.27.2 Methods

| |
|---|
| *itemResolver.hasPermission* |
| *itemResolver.findItem* |
| *itemResolver.findItemsByCategory* |
| *itemResolver.addItem* |
| itemResolver subtractItem |
| *itemResolver.createItem* |
| *itemResolver.modifyItemName* |
| *itemResolver.modifyItemCategory* |

## 2.28 itemResolver.addItem

From **src/resolvers/itemResolver.ts**

### 2.28.1 Description

Decrements the quantity of the given item by 1

### 2.28.2 Parameters

| | |
|---|---|
| userId | |
| itemId | |

### 2.28.3 Returns

| |
|---|
| true if the operation was successful, false otherwise |

## 2.29 itemResolver.createItem

From **src/resolvers/itemResolver.ts**

### 2.29.1 Description

Creates an item in the given category

### 2.29.2 Parameters

| | |
|---|---|
| userId | |
| categoryId | ID of the category |
| name | Name of the item |
| expiration | |

### 2.29.3 Returns

| |
|---|
| the ID of the newly created item |

## 2.30 itemResolver.findItem

From **src/resolvers/itemResolver.ts**

### 2.30.1 Description

Finds the item with the given ID

### 2.30.2 Parameters

| | |
|---|---|
| itemId | |

### 2.30.3 Returns

| |
|---|
| the item document matching the given ID |

## 2.31 itemResolver.findItemsByCategory

From **src/resolvers/itemResolver.ts**

### 2.31.1 Description

Finds the items within a given category

### 2.31.2 Parameters

| | |
|---|---|
| categoryId | |

### 2.31.3 Returns

| |
|---|
| an array of item documents that are in the given category |

## 2.32 itemResolver.hasPermission

From **src/resolvers/itemResolver.ts**

### 2.32.1 Description

Checks if the given user has permission to modify the category

### 2.32.2 Parameters

| | |
|---|---|
| userId | |
| categoryId | |

### 2.32.3 Returns

| |
|---|
| true if the user has permission, false otherwise |

## 2.33 itemResolver.modifyItemCategory

From **src/resolvers/itemResolver.ts**

### 2.33.1 Description

Modifies the given item's category

### 2.33.2 Parameters

| | |
|---|---|
| userId | |
| itemId | |
| categoryId | ID of the item's new category |

### 2.33.3 Returns

| |
|---|
| true if the operation was successful, false otherwise |

## 2.34 itemResolver.modifyItemName

From **src/resolvers/itemResolver.ts**

### 2.34.1 Description

Modifies the given item's name

### 2.34.2 Parameters

| | |
|---|---|
| userId | |
| itemId | |
| name | The item's new name |

### 2.34.3 Returns

| |
|---|
| true if the operation was successful, false otherwise |

## 2.35 UserDocument

From **src/types/user.ts**

### 2.35.1 Description

Represents the format of User object in the database

### 2.35.2 Fields

| | |
|---|---|
| email | |
| password | |

## 2.36 userResolver

From **src/resolvers/userResolver.ts**

### 2.36.1 Description

Resolver for the user

### 2.36.2 Methods

| |
|---|
| userResolver me |
| userResolver signUp |