

https://github.com/jbcsep19/BakeryApp - Assignment link

<https://github.com/firedots1/Bakery-> Zhi’s link

# IPO Diagram

|  |  |  |
| --- | --- | --- |
| Input | Process | Outputs |
| **Two**, User prompt for diet restriction  **Six**, User prompt for new search | **Three,** Get diet restriction  **Four**, Select BakedGoods that do meet user entered diet restriction | **One,** Display welcome message  **Five**, List of Baked Goods that match selection criteria |

# Pseudocode

Initialize searchString = “”

Display welcome message

Declare storeItems ArrayList

Create an instance of a BakeryStore object

Call the method populateStoreItems() to build the storeItems Arraylist of baked goods

Initialize done = false

REPEAT

Prompt user to enter dietary restriction to be used as selection criteria

Set searchString to the value entered by the user

Get list of items meeting dietary restriction

Select items that meet user inputted selection criteria into a list

Display list to the screen

Prompt user to see if new selection is desired or Quit

IF user entered ‘Q’ to quit

THEN

done = true

ENDIF

UNTIL (done)

# Classes

|  |
| --- |
| BakeryApp |
|  |
| main() |

|  |
| --- |
| BakeryStore |
| -storeItems:ArrayList<BakedGoods> |
|  |
| +BakeryStore() |
| +populateStoreItems() |
| +searchStore(String):ArrayList |

|  |
| --- |
| BakedGoods |
| -name:String |
| -price:double |
| -expDate:String |
| -quatity:int  -dietRestrictionsMet:String  -type:String |
| +BakedGoods(String, double, String, int, String, String)  +setName(String) |
| +getName():String |
| +setPrice(double) |
| +getPrice():double |
| +setExpDate(String) |
| +getExpDate():String |
| +setQuantity(int) |
| +getQuantity():int  +setDietRestrictionsMet(String) |
| +getDietRestrictionsMet():String  +setType(String)  +getType()  +toString():String |

# 15 Baked Goods to be created

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| name | price | expDate | quantity | dietRestrictionsMet | type |
| White Bread | 10.95 | 5/30/2020 | 21 | gluten free, dairy free, egg free, soy free, nut free, vegan | Breads & Muffins |
| Cinnamon Raisin Bread | 10.95 | 6/1/2020 | 15 | gluten free, dairy free, egg free, nut free, sesame free | Breads & Muffins |
| Large Hamburger Buns | 5.00 | 8/15/2020 | 30 | gluten free, dairy free, nut free, sesame free | Breads & Muffins |
| 3-Pack Muffins | 8.25 | 8/30/2020 | 12 | nut free, sesame free | Breads & Muffins |
| Remedy Cookie Brownie Bar | 4.95 | 7/31/2020 | 10 | gluten free, soy free, nut free, sesame free | Brownies & Bars |
| Powdered Brownie | 4.50 | 7/15/2020 | 17 | gluten free, sesame free | Brownies & Bars |
| Vegan Cookie Dough | 2.50 | 7/4/2020 | 9 | gluten free, dairy free, egg free, soy free, nut free, sesame free, vegan | Cookies |
| Chocolate Chip Cookies | 2.85 | 9/30/2020 | 40 | gluten free, soy free, nut free, sesame free, sugar free | Cookies |
| 8 Graduation Cookie Set | 24.95 | 9/1/2020 | 6 | soy free, nut free, sesame free | Cookies |
| 6 Spring Cupcake Cups | 24.00 | 9/15/2020 | 5 | nut free | Cupcakes |
| Cupcake Bouquet | 38.95 | 5/25/2020 | 3 | gluten free | Cupcakes |
| Dozen Mini Cupcakes | 21.00 | 5/30/2020 | 4 | sugar free | Cupcakes |
| Organic Gummy Bears | 4.95 | 10/31/2020 | 22 | gluten free, dairy free, egg free, soy free, nut free, corn | Small Desserts |
| 1 Dozen Pumpkin Donut Holes | 12.00 | 6/15/2020 | 2 | gluten free, soy free, nut free, sesame free | Small Desserts |
| Star Wars Cookie Truffle Set | 24.95 | 7/5/2020 | 4 | gluten free, dairy free, egg free, nut free, coconut, sesame free | Small Deserts |