# Laboratory 08 Designs

Manage Candy Offerings

Load Offerings

Perform Each Task

Save Offerings

Load Offerings

Do the following for each entry in the file and while there is room in memory

Get current productNames from productFile

Get current productQuantity from productFile

Get current productPrice from productFile

Perform Each Task

Do the following while taskChoice is not ‘Q’

Get Task Choice

Perform Task Choice

Get Task Choice

Display “Enter choice: Display (O)ne, Display (E)ach, (A)dd Product, (D)elete Product, (C)hange Price “ to user

Get taskChoice from user

Perform Task Choice

When taskChoice is ‘O’  
Display One Product

When taskChoice is ‘E’  
Display Each Product

When taskChoice is ‘A’  
Add Product

When taskChoice is ‘D’  
Remove Product

When taskChoice is ‘C’  
Change Product Price

Display One Product

Get Search Value

Perform Search

Display Matching Product

Get Search Value

Display “Enter product name: “ to user

Get searchValue from user

Perform Search

Examine each item in memory until the searchValue matches the current productName or it cannot be found

Display Matching Item

When searchValue was found  
Display corresponding productName, corresponding packageQuantity, corresponding price to user

Otherwise  
Display searchValue, “ was not found.” to user

Display Each Product

Do the following for each product in memory  
Display current productName, current packageQuantity, and current price to user

Add Product

When memory is not full  
Get (new) productName, (new) packageQuantity, and (new) price from user

Remove Product

Get Search Value

Perform Search

Remove Matching Product

Remove Matching Product

When searchValue was found  
Remove corresponding productName, corresponding packageQuantity, and corresponding price

Change Product Price

Get Search Value

Perform Search

Change Matching Price

Change Matching Price

When searchValue was found

Display “Enter new price: “ to user

Get corresponding price from user

Do the following while corresponding price is less than 0  
Display “Enter new price: “ to user  
Get corresponding price from user

Save Offerings

Do the following for each product in memory  
Store current productName in productFile  
Store current packageQuantity in productFile  
Store current price in productFile