ShopList

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ShopList

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ShopList v1.0

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First release (September 1999)

DISCLAIMER Don't try to sue me...

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DISCLAIMER

The use of ShopList is entirely at your own risk.

The author is not responsible for any loss or

damage whatsoever arising from the use of ShopList.

TESTING

ShopList has undergone extensive testing and is bug

free as far as the author is aware.

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1.3   Introduction

INTRODUCTION

ShopList is a program which will enable you to quickly prepare

and print a shopping list for your favourite Grocery Store.

If you have more than one favourite Store, ShopList allows you

to create a Database file for each Store.

If you find that one of the Stores has decided to change the

layout and move aisles around, this is no problem as ShopList

allows you to do exactly the same thing.

Items that you buy on a regular basis can be saved as a

regular list. This way you just have to load in the regular

list instead of having to select items individually every

time you need to prepare a shopping list. You can then

quickly delete items that you don't need or add more items

before printing the list.

1.4   Example Shopping List

EXAMPLE SHOPPING LIST PRINTOUT

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SHOPPING LIST FOR MORRISONS

FISH STALL.....................

Cod fillet, 1 medium

Salmon steaks, 2 medium

FRESH VEGETABLES...............

Baking Potatoes, 4 medium

Savoy Cabbage, 1 medium

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Casserole Onions, 1 bag

FRESH FRUIT....................

Apples (Royal Gala), 4 medium

Clementines, small bag

Kiwi fruit, 2 medium

Tomatoes (salad), 6 pack

BAKERY.........................

Petite Parisienne, 1 stick

Granary loaf, 1 small

SOFT DRINKS....................

Orange & Pineapple, 3 litres

Ginger beer (DG), 1 bottle

Lemonade (Schweppes), 1 bottle

DELICATESSEN...................

Stilton cheese, 1 qtr

Danish Blue cheese, 1 qtr

Back Bacon, 4 slices

Cumberland Sausage, 4 links

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1.5   System Requirements for ShopList

SYSTEM REQUIREMENTS

An Amiga computer running OS 3.0 or higher.

ShopList should run OK on a standard A1200 without RAM expansion

There are two versions of ShopList supplied.

1. 'ShopListVGA' is for VGA compatible monitors (30Khz or higher).

This version uses display mode MULTISCAN PRODUCTIVITY (640x480).

2. 'ShopListHIRES' is for displays running at 15Khz (TV, 1084 etc)

and allows you to select one of the following display modes..

PAL HIRES (640x256) or PAL HIRES INTERLACED (640x512).

1.6   Installing ShopList

INSTALLATION

ShopList does not require any assigns or special

libraries. Installation is therefore very simple.

Just drag the ShopList drawer Icon to any suitable

place on your hard disk drive.

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1.7   Getting started

GETTING STARTED

ShopList can be started from the CLI or from Workbench.

After starting ShopList, the first thing you should do

is to open the Store datafile. I've provided an example

file called 'Morrisons.store' which you can load and

modify to suit your own favourite Store.

Opening a Store Database file

Select 'Open Store' from the PROJECT menu. This brings

up a File Requester in which only filenames which end

with '.store' will be shown. Click on the Store Data

file you wish to open then click on OK.

If you wish to load in a previously saved Shopping

List, you must do this before putting any items in

your Shopping List. I've provided an example file

called Morrisons_regular.list which is a list of

regular Items for Morrisons Store.

Opening a Shopping List file

Select 'Open Shopping List' from the PROJECT menu.

This will bring up a File Requester in which only

filenames which end with '.list' will be shown.

Click on the Shopping List file you wish to open

then click on OK. A list of Items should now appear

in the Shopping List.

Note.. you can only Open a Shopping List file which

belongs to the currently Opened Store.

The 'Open Shopping List' command is disabled

when the Shopping List contains Items.

Selecting Items

Clicking on a CATEGORY name will display a list of

Items for that Category in the ITEMS list. To copy

an Item into the Shopping List, click twice on the

Item. If the Item is already in the Shopping List,

you will be notified via a Requester.

Note.. When an Item is copied into the Shopping List,

all CATEGORY editing commands are disabled.

Editing Shopping List Items

To change the Amount for a Shopping List Item, click

once on the Item. This moves the Item data to the

DESCRIPTION and AMOUNT boxes and activates the Amount

box. Edit the Amount data then press the Return key

to put the Item back into the Shopping List.

Changing the DESCRIPTION of a Shopping List Item will

bring up a Requester informing you that the Item has

been moved to the front of the Shopping List because

it could not be found in the Store Database.

If you wish to change the DESCRIPTION of a Shopping

List Item, you should find and select the Item in the

Store Database, then select Edit Item from the ITEMS

menu.

To remove a Shopping List Item, click once on the Item.

To immediately put the Item back, press the Return key.

Hints & Tips

Don't put Items in alphabetical order, put them in the

order that you would encounter them as you walk along

each aisle.

Don't clutter up the Database with Items that you would

never buy.

Keep your itemised store receipts and put any new items

you've purchased into the Store Database.

If you need to delete all text in the DESCRIPTION box,

press the keys 'Ctrl'+ 'x' (Ctrl x).

To move the cursor to the first character position in

the DESCRIPTION box, press Shift+Cursor Left.

To move the cursor to the last character position in

the DESCRIPTION box, press Shift+Cursor Right.

1.8   ShopList menus

MENUS

PROJECT MENU

Open Store...

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Save Shopping List...

Print Shopping List...

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Append Category...

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Edit Category...

Delete Category...

ITEMS MENU

Find Item...

Append Item...

Insert Item...

Edit Item...

Delete Item...

1.9   Open Store...

OPEN STORE...

Selecting this command displays a File Requester

in which only filenames which end with '.store'

will be shown.

Click once on the file name you wish to open

then click on OK, or alternatively, you can

double click on the filename.

When the Store data has been loaded into memory,

you should see a list of names appear in the

CATEGORY list.

1.10   Open Shopping List...

OPEN SHOPPING LIST

Selecting this command will display a file Requester
listing all Shopping List files in the selected
directory, i.e. all filenames ending with '.list'.
You can only Open a Shopping List if it belongs to
the currently Opened Store.
Click once on the file name you wish to open then
click on OK, or alternatively, you can double click
on the filename.
A list of Items should now appear in the Shopping
List, all separated into their correct Categories.
If you've subsequently changed the DESCRIPTION of a
Store Database Item and that Item is in the Shopping
List file, a Requester will be displayed indicating
that one Item could not be found. This Item will be
the first Item in the displayed Shopping List.
You will then have to locate this Item in the Store
Database and copy it to the Shopping List to get it
to appear in its correct position, then delete the
first Item in the Shopping List.
Opening a Shopping List disables All CATEGORY menu
commands.

1.11   Save Store Data...

SAVE STORE DATA

Selecting this command will display a file Requester
listing all Store Database files in the selected
directory, i.e. all filenames ending with '.store'.
If you are adding more Items to the currently
Opened Store Database file, as the file name is
already entered, you just need to click on the
OK box.
If you are creating a new Store Database from an
existing Store Database, change the file name to
the new Store then click on the OK box. The new
Store then becomes the 'Opened' Database Store.

1.12   Save Shopping List...

SAVE SHOPPING LIST

Selecting this command will display a file Requester

listing all Shopping List files, i.e. all filenames

ending with '.list' in the selected directory.

Enter a name for the Shopping List, preferably

containing the name of the Store so that you

know which Store the List belongs to, then click

on the OK box.

The structure of a Shopping List File is shown in

the Technical Section.

1.13   Print Shopping List...

PRINT SHOPPING LIST...

Selecting this command will display a file Requester

which will allow you to cancel the command or proceed.

Before clicking on the 'OK' box, ensure that the printer

is switched on, that it is 'online' and that paper is

available on which to print the Shopping List.

1.14   Clear Shopping List...

CLEAR SHOPPING LIST

Selecting this command will display a file Requester

which will allow you to cancel the command or proceed.

Clicking on OK will immediately remove all Items from

the Shopping List and re-enable the Category menu

commands.

1.15   Close Store...

CLOSE STORE

This command will allow you to Close the current Store

Database and Open another one without QUITTING ShopList.

If the Store Data has been altered, a Requester will

be displayed giving you the options to SAVE, DON'T SAVE,

or to CANCEL the command.

1.16 About the program

ABOUT

Selecting this menu item brings up the following requester

| |

| This is ShopList version 1.0 |

| |

| Compiled with SAS-C version 5.1b |

| |

| Designed and Programmed by |

| |

| D.Aston (May 99) |

| |

| ------ |

| | OK | |

| ------ |

1.17 Quit ShopList

QUIT

As you may have guessed, this command terminates ShopList.

If your Shopping List has not been Printed or Saved, a

Requester will be displayed to remind you. You have the

option to Cancel the command or proceed. If you click

on OK and the Store Database has been changed, another

Requester will be displayed giving you one of the

following options...

SAVE.. Saves the Store Database then QUITS

DON'T SAVE.. QUITS ShopList immediately without Saving.

CANCEL.. cancels the QUIT command.

1.18   Append Category

APPEND CATEGORY

After selecting this command, enter the Category

name in the DESCRIPTION box then press the 'Return'

key. A requester will appear giving you the option

to cancel the command or proceed. Clicking on the

OK box will Append the Category name onto the end

of the Category list.

The Category name is automatically converted to

UPPER case to make the Category Separator Items

stand out more effectively in the Shopping List.

1.19   Insert Category

INSERT CATEGORY

Select this command after you have clicked on the

position where you wish to Insert the new Category.

Enter the Category name in the DESCRIPTION box then

press the 'Return' key. A requester will appear

giving you the option to cancel the command or

proceed. Clicking on the OK box will Insert the

Category at that position.

The Category name is automatically converted to

UPPER case to make the Category Separator Items

stand out more effectively in the Shopping List.

1.20   Move Category

MOVE CATEGORY

To Move a Category to a new position, select the

Category you wish to move, then select this command.

A Requester will appear giving you the option to

cancel or to proceed with the command. Clicking on

the OK box will remove the selected Category and

display a Message Requester. You MUST click on the

OK button then immediately select a new position
in the Category list where you want the Category
name to appear.
If you find that your local Store has moved aisles
around, this command makes it easy for you to do
the same thing by re-arranging the Categories.
This command may also be useful if you decide to
create a new Store Database from an existing one.

1.21   Edit Category

EDIT CATEGORY

This command will copy the selected CATEGORY name
to the DESCRIPTION box. After editing the name,
press the 'Return' key. A requester will be
displayed giving you the option to cancel or
proceed with the command. Clicking on OK will
immediately overwrite the selected Category name
with the revised name.
Any lower case letters will be converted to UPPER
case. This makes the Category Separator Items more
effective when the Shopping List is printed.

1.22   Delete Item

DELETE CATEGORY

Selecting this command will display a Requester
giving you the option to cancel the command or
to proceed.
Clicking on the OK box will remove the selected
Category and any Items in that Category.
This command should be useful if you decide to
create a new Store Database from an existing one.

1.23   Find Item

FIND ITEM

This command allows you to quickly locate any
Item in the Store Database. This is most useful
when you are not quite sure which Category an
Item is located.
The search is not case sensitive, therefore you
don't have to be concerned about whether an Item
description contains capital letters.
You may also search for part of an Item name
such as 'milk' which would find 'Condensed Milk'
or 'Skimmed Milk'.
If you were to search for an Item such as 'tea',
and ShopList found the Item 'Salmon Steaks', the
reason for this would be that the three letters
'tea' occur in Steaks.
Each time an Item is found, if it's not the Item
you are looking for, just press the Return key to
find the next match. If you alter the search text,
the search will be restarted at the first Item in
the Database.
The 'Find Item' command remains active until
another menu command is selected or a Shopping
List Item is selected for editing. This means
you don't have to keep selecting the 'Find Item'
command if you've jotted a few Items down and
you're letting ShopList find them for you.
A found Item will be shown highlighted, so clicking
once on the Item will copy it to the Shopping List.
If you need to delete all text in the DESCRIPTION
box, press the keys 'Ctrl'+ 'x' (Ctrl x).
To move the cursor to the first character position
in the DESCRIPTION box, press Shift+Cursor Left.
To move the cursor to the last character position
in the DESCRIPTION box, press Shift+Cursor Right.

1.24   Append Item

APPEND ITEM

Selecting this command activates the DESCRIPTION box.

Enter the name of the Item in the DESCRIPTION box then

press the tab key to enter the Amount, then press the

Return key to Append the Item.

The 'Append Item' command remains active until another

command is selected or another Category is selected,

therefore you can immediately enter the Description

of the next Item without having to reach for the mouse.

If you try to Append an Item that is already in the

Store Database, a Requester will pop up to inform you.

If the Item is in the selected Category, the Item will

also be highlighted.

If you wish to move from the Amount box back to the

DESCRIPTION box, press Shift Tab or use the mouse.

1.25   Insert Item

INSERT ITEM

This command allows you to insert Items into a

Category's Item list.

Select this command after you have clicked on the

position in the ITEMS list where you wish to insert

the Item. Enter the Description and Amount details

for the Item then press the return key. A Requester

will appear allowing you to confirm the action.

Clicking on the OK box will Insert the Item at that

position. Clicking on Cancel will abort the command.

To move from the DESCRIPTION box to the AMOUNT box

or vice versa, you may either press the Tab or Shift

Tab key or alternatively, click on the appropriate

box using the mouse.

If you try to Insert an Item that is already in the

Store Database a Requester will pop up to inform you.

If the Item is in the selected Category, the Item

will also be highlighted.

1.26   Edit Item

EDIT ITEM

Before selecting this command, you must first select
the Item you wish to Edit from the ITEMS list.
The data for the selected Item will immediately be
copied to the DESCRIPTION and AMOUNT boxes. When you
have finished Editing, press the Return key.
If the Item is in the Shopping List, its Description
will be updated automatically, but the Amount will not
be affected in case you have already adjusted this to
your requirements.
To activate the DESCRIPTION box or AMOUNT box, you may
either press the Tab or Shift Tab key or alternatively,
click on the appropriate box using the mouse.

1.27   Delete Item

DELETE ITEM

Select the Item you wish to delete from the ITEMS list
before selecting this command. A requester will appear
giving you the option to cancel or proceed. Clicking
on the OK box will remove the Item from the Database
and copy the Item data to the DESCRIPTION & AMOUNT
boxes (this allows you to Move the Item (see below)
or retrieve the Item).
Trying to Delete an Item that has been copied to the
Shopping List will bring up a Requester informing you
that it cannot be Deleted because it's in the SHOPPING
LIST.
Moving an item.

To Move an Item to a new position, select the Item
you wish to move, then select Delete Item. This will
delete the Item and copy the data to the DESCRIPTION
& AMOUNT boxes. If the Item is being moved onto the
end of a list, select 'Append Item', otherwise select
the new position where you wish to move the Item,
select 'Insert Item' then press the Return key.

1.28   Technical section

TECHNICAL SECTION

ShopList was developed on an A1200 with Hard Drive and extra RAM.

Programming language... SAS/C v5.1b

The Store Database

When a Store Database file is Opened, the data is stored

in linked list structures in memory. The Store Database

consists of Category and Item structures which are both

identified by a 16 bit number. With the first number

starting at 1 (category zero is reserved for Items not

found when loading a Shopping List and 0xFFFF is reserved

for 'Item not found' when scanning nodes) this provides

(2^16)-2 or 65,534 Categories, with 65,534 Items in each

Category.

A Category structure requires 72 bytes of memory and

an Item structure requires 120 bytes of memory.

A Store Database consisting of twenty Categories with

fifty Items in each Category would therefore require...

72x20 = 1440 bytes for the Category structures

120x50x20 = 120000 bytes for the Item structures

Total = 121440 bytes

Store Database File

A Store database file is created and maintained

entirely by ShopList. The structure of a Store

database file is included here in case the file

ever becomes corrupt and refuses to load (you

will have a backup of cause, won't you :-)

A Store database file may be created with a text

editor, but the following rules must be observed.

The database text must only consist of printable

ASCII characters.

Category and Item names are limited to a maximum

of 31 characters (only the first 28 characters

will be displayed on screen but all 31 characters

will be shown when the Shopping List is printed).

The Amount field is limited to a maximum of 15
characters (only the first 12 characters will be
displayed on screen but all 15 characters will be
shown when the shopping list is printed).
An Item Name MUST be followed by a tilde
(~) character (even if the associated Amount field
is empty).
The last Item in a Category MUST be followed
by a blank line.
The structure of a simple Store Database file is
shown below containing three Categories.
EXAMPLE STORE DATABASE FILE
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_____

BAKERY
Batard (French loaf)~1
Granary loaf~1 small
White loaf~1 large
Sultana Scones~6 pack
Fruited Teacakes~4 pack
Cheese Baps~4 pack
FRESH VEGETABLES
Cabbage (Savoy)~1 medium
Cabbage (White)~1 medium
Carrots~1lb
Potatoes (Nadine)~8lb
Swede~1 medium
FRESH FRUIT
Apples (Golden Delicious)~4 medium
Apples (Royal Gala)~4 medium
Bananas~3 medium
Oranges (Jaffa)~3 large
Pears (Comice)~4 medium
Kiwi fruit~2 medium
;end of file

_____

EXAMPLE SHOPPING LIST FILE for Shopping List.
=========================

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MORRISONS

Cod fillet~1 medium

Salmon steaks~2 medium

Baking Potatoes~4 medium

Savoy Cabbage~1 medium

Casserole Onions~1 bag

Apples (Royal Gala)~4 medium

Clementines~small bag

Kiwi fruit~2 medium

Tomatoes (salad)~6 pack

Petite Parisienne~1 stick

Granary loaf~1 small

Orange & Pineapple~3 litres

Ginger beer (DG)~1 bottle

Lemonade (Schweppes)~1 bottle

Stilton cheese~1 qtr

Danish Blue cheese~1 qtr

Back Bacon~4 slices

Cumberland Sausage~4 links

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The first line contains the name of the Store from

which the Shopping List was Saved.

The Shopping List Category Separator Items are not

saved in the file. These are added automatically

when the Shopping List file is Opened.

1.29   Distribution

DISTRIBUTION

The word 'ShopList' below, implies the ShopList program

and its accompanying files contained in a directory

named ShopList.

ShopList is freely distributable without restrictions.

Any distributor of ShopList on any medium whatsoever may

NOT prohibit the copying of ShopList from their medium.

ShopList is offered as 'FreeWare', but remains copyright

of the author and must not be altered without consent.