

MAIN MENU

```
Select 'add' or 'search' or 'END'=> add|
```

Menu has three options, “add”, “search”, and “end”.

Choose an option by typing out the whole word of the option in either all caps or all lowercase for any of them.

ADD ITEM

```
Select 'add' or 'search' or 'END'=> add  
  
Is item shell, wood, glass or plant?  
shell|
```

When add item is chosen it will first ask the user what kind of new item the user would like to add – “shell”, “wood”, “glass”, or “plant”.

Choose one of the options by typing the word in all caps or all lowercase.

If invalid input is entered user will be sent back to the main menu.

```
Select 'add' or 'search' or 'END'=> add  
  
Is item shell, wood, glass or plant?  
shell  
  
Enter shell attributes in the form of "Color, Length(in inches), Height(in inches), Description"  
Gray, 4.5, 5.6, The shell is broken in half|
```

Once an item is chosen the program will tell the user how data should be inputted.

The data should be entered on one line with a comma then space separating each attribute.

Every attribute must be a single word except for description.

Description cannot contain commas.

```

Select 'add' or 'search' or 'END'=> add

Is item shell, wood, glass or plant?
shell

Enter shell attributes in the form of "Color, Length(in inches), Height(in inches), Description"
Gray, 4.5, 5.6, The shell is broken in half
|
Color: Gray Length: 4.5 Description: The shell is broken in half Height: 5.6

New shell added!

Select 'add' or 'search' or 'END'=>

```

If add item worked, it will look like above image.

SEARCH ITEM

```

Select 'add' or 'search' or 'END'=> search

Enter search criteria in the form of "Color minimum to maximum length(in inches)"
Gray 3.5 to 6.6

```

When search is chosen the program will tell the user how search data should be inputted.

Data should be a color, then a space, then the minimum length, then a space, then "to", then a space, and finally the maximum length.

****Unlike in Item Add there are no commas separating search attributes.**

```

Enter search criteria in the form of "Color minimum to maximum length(in inches)"
Gray 3.5 to 6.6
Shells that match your search:
    6 Color: Gray Length: 4.5 Description: The shell is broken in half Height: 5.6
Glass items that match your search:
Wood items that match your search:
Plants that match your search:

Select 'add' or 'search' or 'END'=>

```

Search output will look like above.

END

```
Select 'add' or 'search' or 'END'=> end  
Are you sure you want to exit? Type YES for confirmation=> yes|
```

The program will ask if the user is sure they want to exit.

If “yes” is typed program will print all items by item type, then quit.

Otherwise, user is returned to menu.