

All answers must be of your own work. Type out your answers and submit your quiz through Blackboard for Quiz #2 as either a MS Word document or PDF file (Mac users using Pages, make sure to Export to MS Word).

- 1.) (16 points, 4 points per property) In the JComboBox control, **name and describe** the purpose of four properties found in the control.

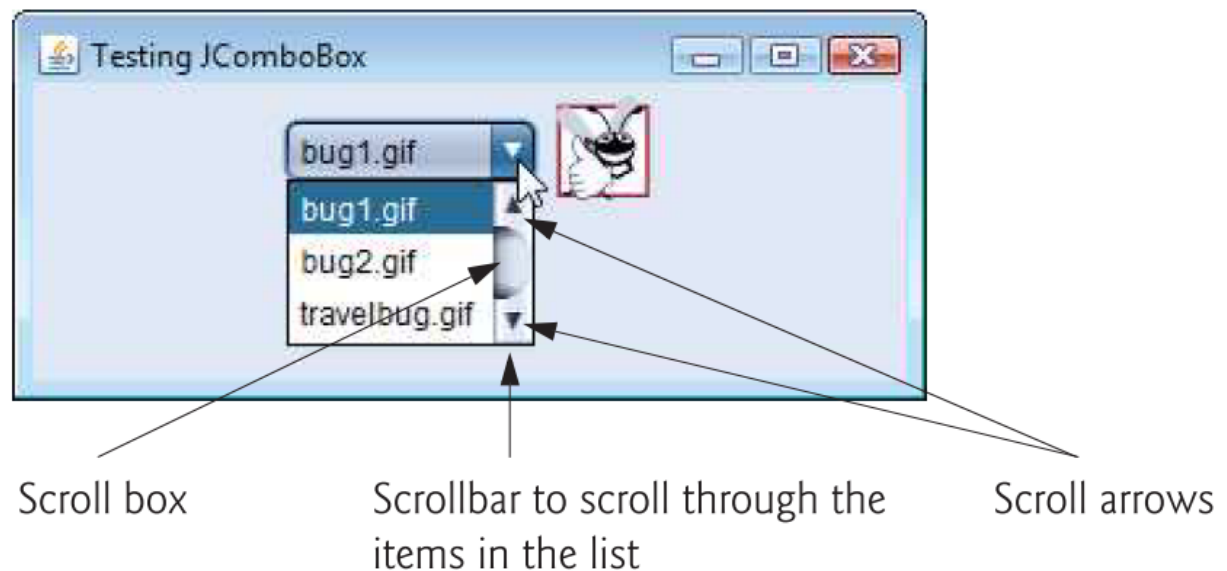
JComboBox is a drop down list that allows you to create to drop down options that can do different things based on what you code and select.

Index: Represented by each item list of elements in the JComboBox.

Scroll bar: Allows user to scroll through elements available.

Scroll arrows: Like the Scroll bar, it allows the user to move through the elements, each click of an arrow will display the next element in the index one at a time.

Scroll box: Allows the user to move through the index when selected.



From How to Program Early Objects, 10th Edition: Fig 12.22

2.) (9 points, 3 points per part) Demonstrate how we would achieve the following with the String class:

- a. Retrieving the 5th character from a string named **myString** which contains the string literal "Mystery Text", this should return the character 'e' in "Mystery Text".

5th
M y s t e r y T e x t
0 1 2 3 4 5 6 7 8 9 10 11

```
System.out.println(myString.charAt(4));
```

- b. Demonstrate how we could use the startsWith method, to check to see if a string named **someString** starts with the text "in" beginning at index 2.

```
System.out.println(someString.startsWith("in "));
```

- c. Suppose we have a string named **bigString**, demonstrate how we could return the all *uppercase* substring of **bigString** with a starting index of 3 and ending index to 7.

```
System.out.println(bigString.toUpperCase(3,7));
```