

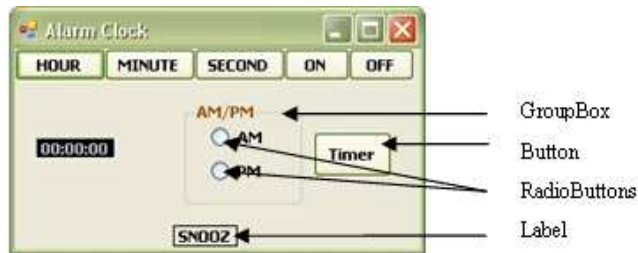
## **Lab 1 Practice**

Build the GUIs given in each part of this exercise. (You need not provide any functionality.). Execute each program, and determine what happens when a control is clicked with the mouse.

**(If you have not practiced all the exercises at the lab, you should do at home).**

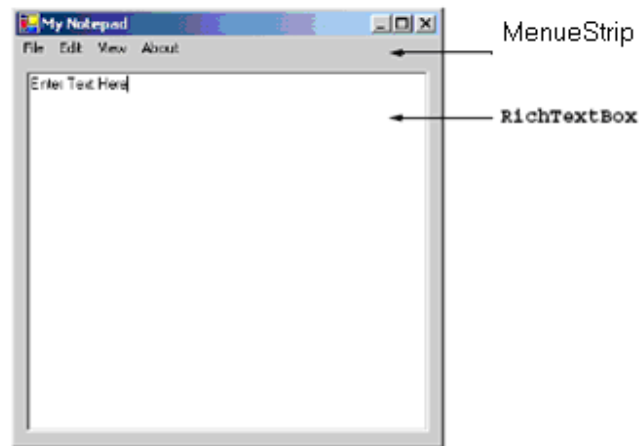
### **1- Create the GUI for the alarm clock as shown below**

**w:**



- a) **Setting the Form's properties.** Change the **Size** property of the Form to 256, 176. Change the **Text** property of the Form to Alarm Clock. Change the **Font** property to Tahoma.
- b) **Adding Buttons to the Form**. Add six Buttons to the Form. Change the **Text** property of each Button to the appropriate text. Change the **Size** properties of the Hour, Minute, Second Buttons to 56, 23. The ON and OFF Buttons get size 40, 23. The Timer Button get size 48, 32. Align the Buttons as shown.
- c) **Adding a Label to the Form**. Change the **Text** property to SNOOZE. Set the Label's **TextAlign** property to MiddleCenter. Finally, to draw a border around the edge of the Snooze Label, change the **BorderStyle** property of the Snooze property to FixedSingle.
- d) **Adding a GroupBox to the Form**. GroupBoxes are like Panels, except that GroupBoxes can display a title. Change the **Text** property to AM/PM, and set the **Size** property to 72, 72. To place the GroupBox in the correct location on the Form, set the **Location** property to 104, 38.
- e) **Adding AM/PM Radio Buttons to the GroupBox**. Change the **Text** property of one Radio Button to AM and the other to PM. Then place the Radio Buttons as shown by setting the **Location** of the AM Radio Button to 16, 16 and that of the PM Radio Button to 16, 40. Set their **Size** properties to 48, 24.
- f) **Adding the time Label to the Form**. Add a **Label** to the Form and change its **Text** property to 00:00:00. Change the **BorderStyle** property to Fixed3D and the **BackColor** to Black. Set the **Size** property to 64, 23. Use the **Font** property to make the time bold. Change the **ForeColor** to Silver (located in the Web tab) to make the time stand out against the black background. Set **TextAlign** to MiddleCenter to center the text in the Label. Position the label as shown.

2- This GUI consists of a **MenuStrip** and a **RichTextBox**. After inserting the **MenuStrip**, add items by clicking the **TypeHere** section, typing a menu name and pressing **Enter**. Resize the **RichTextBox** to fill the form.



3- This GUI consists of two **Labels** (12-point font size, yellow background), a **MonthCalendar** and a **RichTextBox**. The calendar is displayed when the **MonthCalendar** is dragged onto the form. [ *Hint: Use the **BackColor** property to change the background color of the labels.* ]

