ASP.NET
Rich controls

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Calendar controls

- The calendar control presents a miniature calendar that you can place in any web page.
- The calendar control is typically used to provide users with an easy way of selecting a date. Entire weeks and months can also be selected
- When the user makes a selection from a calendar control , the SelectionChanged event is raised and the page is posted to the server.
- Calendar can be programmed as a single object
- `<asp:Calendar ID="Calendar1" runat="server"> </asp:Calendar>`
- The calendar control presents a single-month view .The user can navigate from month to month using the navigational arrows, at which point the page is posted back and ASP.NET automatically provides w new page with the correct month values.
- Retrieve selected day as a DateTime object from the Calendar.SelectedDate property

Calendar controls

Member	Properties
DayNameFormat	Determines how days are displayed in the calendar header
FirstDayOfWeek	Determines which day is displayed in the first column of the calendar
SelectedDate and SelectedDates	Sets or gets the currently selected date as a DateTime object . SelectedDates property will return a collection of DateTime objects ,one for each selected date.
SelectionMode	Determines how many dates can be selected at once.
TodaysDate	Sets which day should be recognized as the current date and formatted with the TodayDayStyle
SelectionChanged Event	SelectionChanged event
VisibleMonthChanged Event	Occurs when the user clicks the next or previous month navigation controls to move to another month.

Calendar controls

The aspx code for the calendar control

```
<asp:Calendar ID="Calendar1" runat="server">
<TodayDayStyle BackColor ="Blue" Font-Bold=true ForeColor ="white" />
<NextPrevStyle ForeColor ="Red" />
</asp:Calendar>
```

The SelectionChanged event procedure for the calendar control

```
    Protected Sub Calendar1_SelectionChanged(ByVal sender As Object, ByVal
        e As System.EventArgs) Handles Calendar1.SelectionChanged
        Label1.Text = Calendar1.SelectedDate.Month.ToString
        Label2.Text = Calendar1.SelectedDate.Day.ToString
        Label3.Text = Calendar1.SelectedDate.Year.ToString
    End Sub
```

AdRotator

Default.aspx

```
<asp:AdRotator ID="AdRotator1" runat="server"
    AdvertisementFile="MainAds.xml" Target="_blank" />
```

MainAds.xml

```
<?xml version="1.0" encoding="utf-8" ?>
<Advertisements>
  <Ad>
    <ImageUrl>~/Images/Winter.jpg</ImageUrl>
    <NavigateUrl>https://in.yahoo.com/</NavigateUrl>
    <AlternateText>yahoo.in</AlternateText>
    <Impressions>1</Impressions>
    </Ad>
  </Advertisements>
```

AdRotator

o The basic purpose of the AdRotator is to provide a graphic on a page that is chosen randomly from a group of possible images.

o The Advertisement File :-The AdRotator stores its list of image files in an XML file

o The AdRotator class:-

o Specify the advertisement file in the AdvertisementFile property and the type of window that the link should follow (the target window).

Advertisement File Elements

Element	Description
ImageUrl	The image that will be displayed .This can be a relative link or a fully qualified Internet URL
NavigateUrl	The link that will be followed if the user clicks the banner
AlternateText	The text that will be displayed instead of the picture if it cannot be displayed .This text will also be used as a tooltip
Impressions	A number that sets how often an advertisement will appear .
Keyword	A keyword that identifies a group of advertisements.

AdRotator

Target	Description
_blank	The link opens a new unframed window
_parent	The link opens in the parent of the current frame
_self	The link opens in the current frame
_top	The link opens in the topmost frame of the current window