MODULE 08

ROUTED EVENTS

MODULE TOPICS

Understanding Routed Events
Defining a Routed Event
Registering a Routed Event
Raising a CLR Event

UNDERSTANDING ROUTED EVENTS

- Provide ability to bubble or tunnel the event through the element tree
- The event can be marked as handled at any point as it transverses

DEFINING A ROUTED EVENT

```
public static readonly RoutedEvent TapEvent;
```

REGISTERING A ROUTED EVENT

```csharp
static HighlightButton()
{
    TapEvent = EventManager.RegisterRoutedEvent(
        "Tap",                          // Event Name
        RoutingStrategy.Bubble,         // Routing Strategy, Direct, Bubble, or
        typeof(RoutedEventHandler),     // Routed Event Hander to use
        typeof(HighlightButton)         // Owner of the routed event
    );
}
```

CLR EVENT WRAPPER

```
public event RoutedEventHandler Tap
{
    add { AddHandler(TapEvent, value); }
    remove { RemoveHandler(TapEvent, value); }
}
```

WALKTHRU - ROUTED EVENTS

ANY QUESTIONS?