

Navigating Continuous Forms using WithEvents

How to enable Excel-like arrow key navigation with two lines of code

Presented by Mike Wolfe of nolongerset.com

Outline

- Define the problem
- Part 1: Proof of Concept
- Part 2: Standalone Routine
- Part 3: WithEvents Class Module
- Part 4: Two Lines of Code

Define the problem

- Tabular continuous forms look like Excel
- Up/down arrows move left/right
- Demo

Part 1: Proof of Concept

- Handle the KeyDown event

Part 1: Proof of Concept

- Handle the `KeyDown` event
- Guard clause

Part 1: Proof of Concept

- Handle the `KeyDown` event
- Guard clause
- `Recordset.MovePrevious/.MoveNext`

Part 1: Proof of Concept

- Handle the `KeyDown` event
- Guard clause
- `Recordset.MovePrevious/.MoveNext`
- `SaveKeyCode`

Part 1: Proof of Concept

- Handle the KeyDown event
- Guard clause
- Recordset.MovePrevious/.MoveNext
- SaveKeyCode
- Handle .BOF/.EOF and .AllowAdditions

Part 2: Standalone Routine

- Extract code into a Sub

Part 2: Standalone Routine

- Extract code into a Sub
- Call from each control

Part 2: Standalone Routine

- Extract code into a Sub
- Call from each control
- Demonstrate in Form View

Part 2: Standalone Routine

- Extract code into a Sub
- Call from each control
- Demonstrate in Form View
- Improve code readability

Part 3: WithEvents Class Module

- Create a “Listener” class

Part 3: WithEvents Class Module

- Create a “Listener” class
- Integrate the ArrowKeyNav routine

Part 3: WithEvents Class Module

- Create a “Listener” class
- Integrate the ArrowKeyNav routine
- Call the weArrowKeyControl class

Part 3: WithEvents Class Module

- Create a “Listener” class
- Integrate the ArrowKeyNav routine
- Call the weArrowKeyControl class
- Handle combo boxes and check boxes

Part 4: Finishing Touches

- Special handling for open combo boxes

Part 4: Finishing Touches

- Special handling for open combo boxes
- Internal control collection

Part 4: Finishing Touches

- Special handling for open combo boxes
- Internal control collection
- Two lines of code
 - `Dim ArrowKeyNav As New weArrowKeyNav`

```
ArrowKeyNav.FullArrowKeyNav Me.Form
```

Questions?

Links and Resources:

nolongerset.com/arrowkeynav/