Update: Diagramming In Delphi, Part 2

by Jim Cooper

Thanks to Roberto De Marini for pointing out a flaw in my code from the above article in Issue 41. He correctly states that, as it stands, the event handler's pointers are lost when retrieving diagrams from files. I made a blue, to use an Australian term. In the code for Issue 41 (the use case diagram), if you make the event handlers `published`, they get stored by the streaming code. So the declaration for `TMainForm` should be:

```
TMainDlg = class(TForm)
  ...  // All the controls etc
private
  FNextAction : TjimNextAction;
  FStartShape : TjimCustomShape;
  FEndShape   : TjimCustomShape;
  procedure SetNextAction(
    Value : TjimNextAction);
  procedure ChooseButton(
    TheButton : TToolButton);
  procedure ConnectShapes(StartShape,EndShape :
    TjimCustomShape; ArrowType : TjimArrowType);
public
  property NextAction : TjimNextAction read
    FNextAction write SetNextAction;
published
  // The OnClick event handler for
  // all shapes on the diagram
  procedure ShapeClick(Sender : TObject);
  // The OnDblClick event handler for
  // all captions on the diagram
  procedure CaptionDblClick(Sender : TObject);
end;
```

A replacement mainform.pas file is included on this month's disk in the DIAGRAM folder.