Hands-On OLE Automation

Keith R. Pleas
Independent Developer
CompuServe: 72331,2150
Internet: kpleas&curlew.wa.com

Code File: OA.ZIP

Objectives

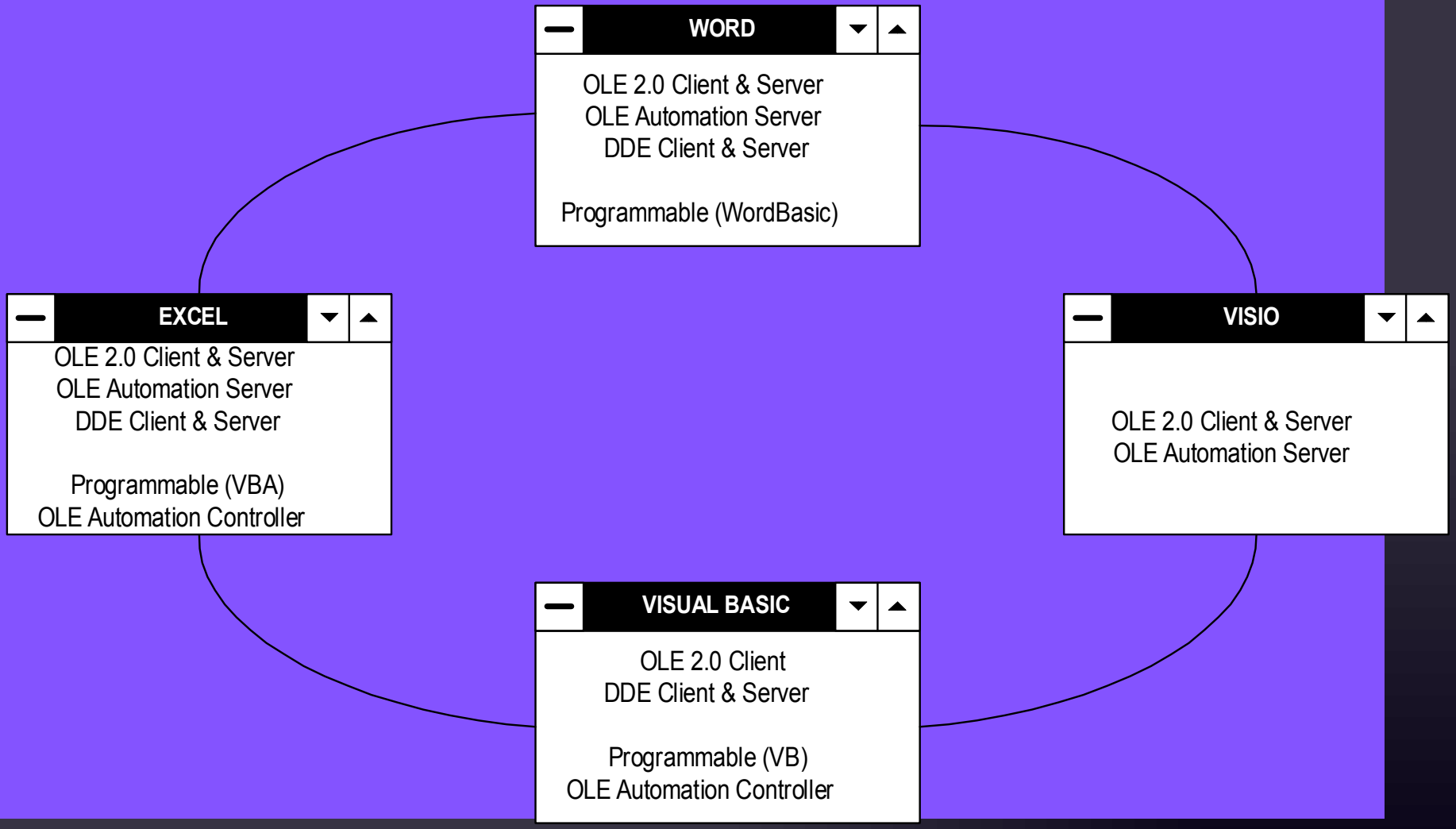
Understand about OLE Automation:

- what it is and how it relates to OLE 2.0
- how it relates to VBA
- the object model approach
- how it's programmed

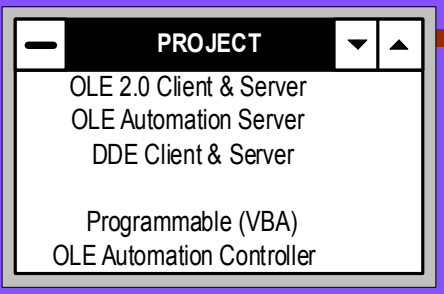
Overview

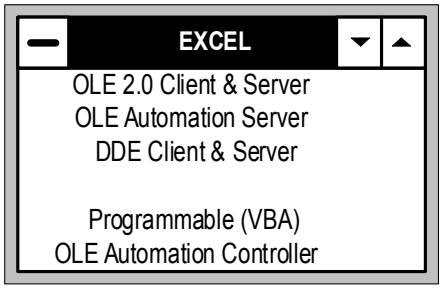
Introduction
Development Strategies
Complex. Powerful. New.
OLE 2.0 versus OLE Automation

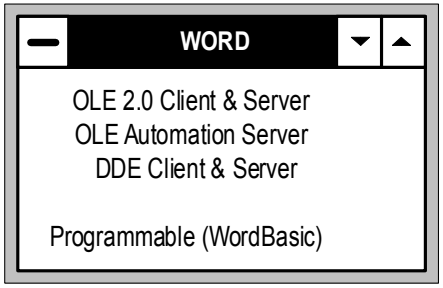
What Does What

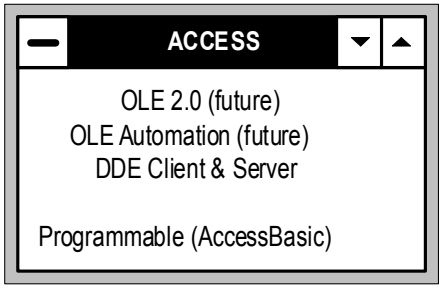


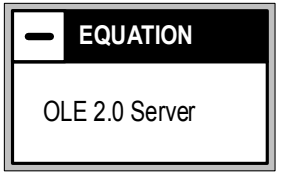
Microsoft Office

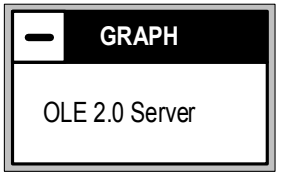


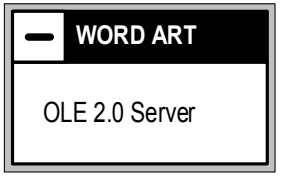


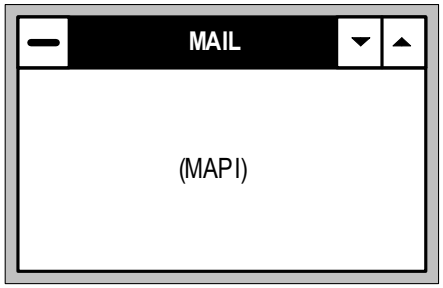


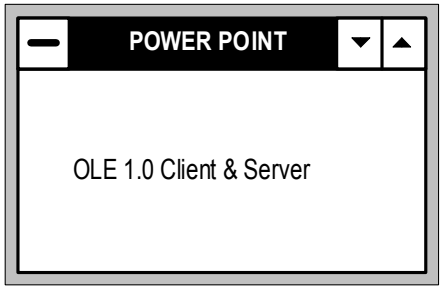


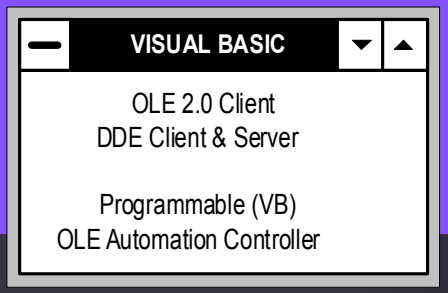












Object Bogeyman

Object hierarchy
Properties (e.g. Width, Height, and Name)
Methods (e.g. Move and Refresh)
Events to which the controls respond

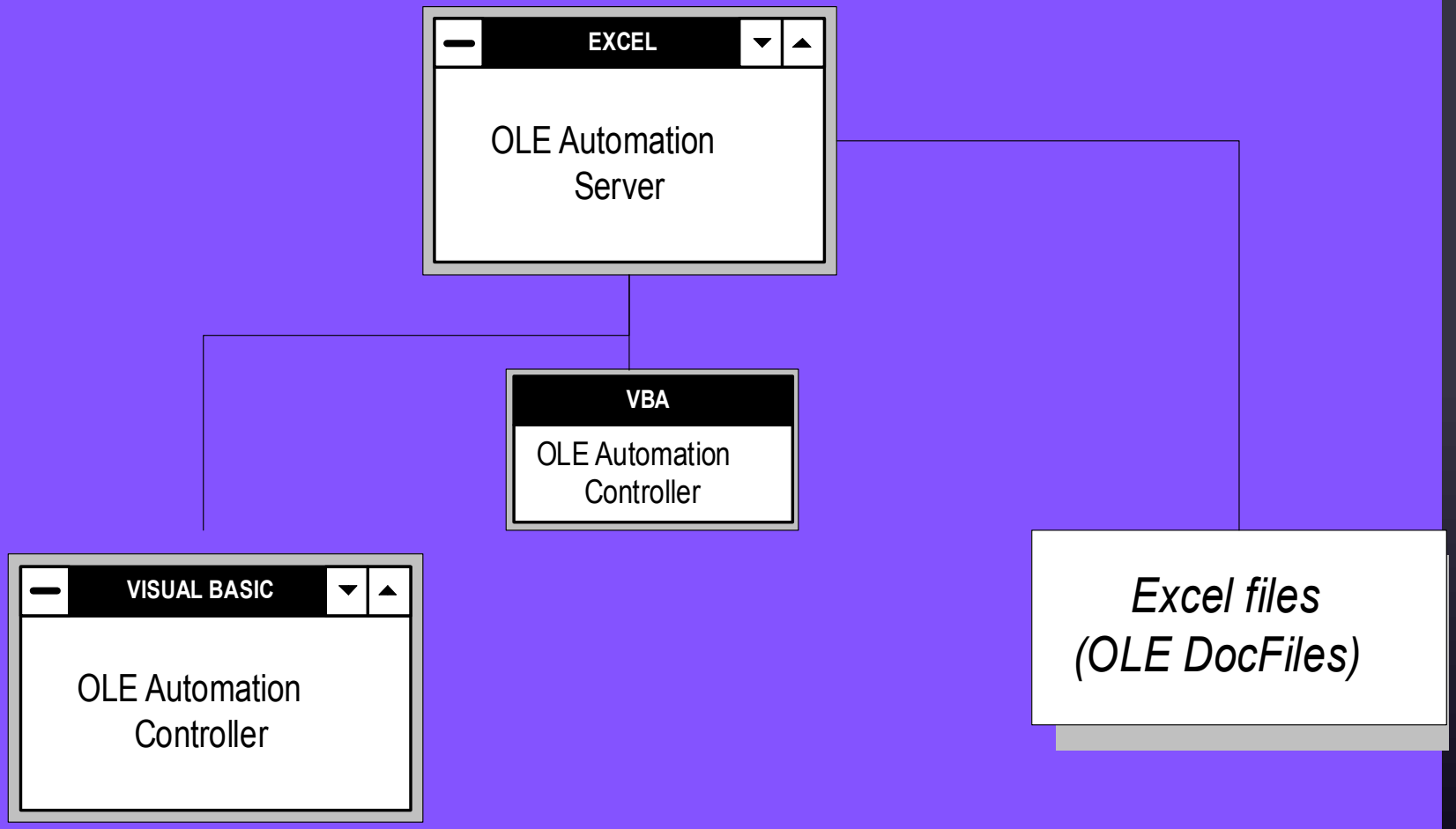
OLE Automation

Architecture
Object Classes & Class IDs
Type Libraries & Browsers
Registration Database
Manipulating Objects

Utilities

RegEdit
Windows Process Status (WPS)
DocFile Viewer
Data Object Viewer
Type Library Browser
OLE 2.0 Viewer

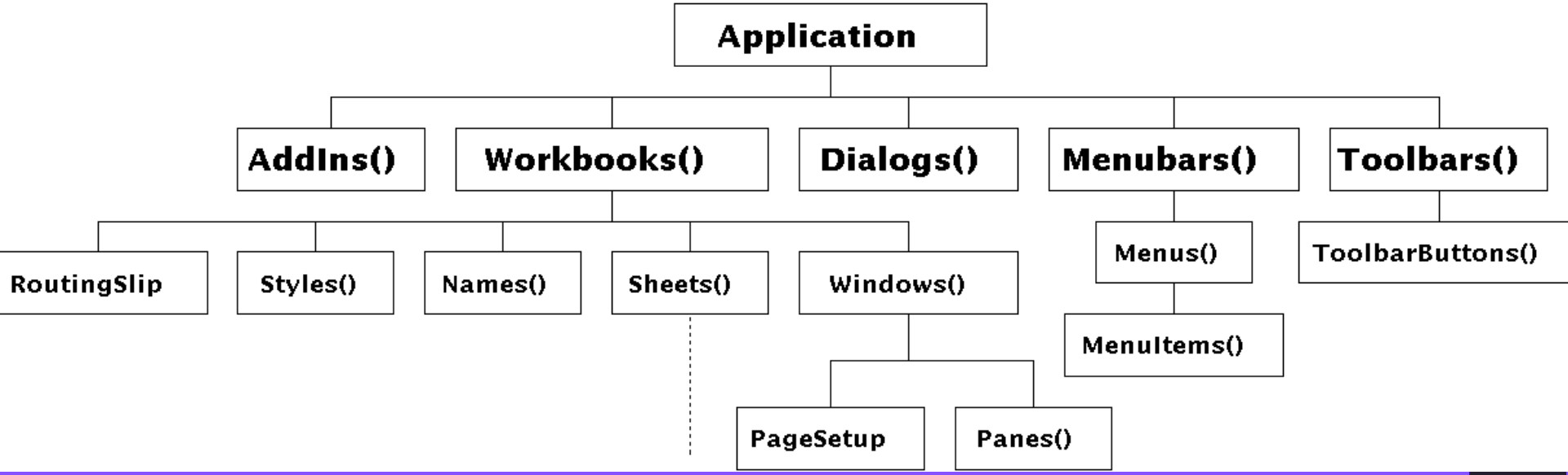
VB / VBA / Excel


EXCEL
OLE Automation Server
VBA
OLE Automation Controller
VISUAL BASIC
OLE Automation Controller
Excel files (OLE DocFiles)

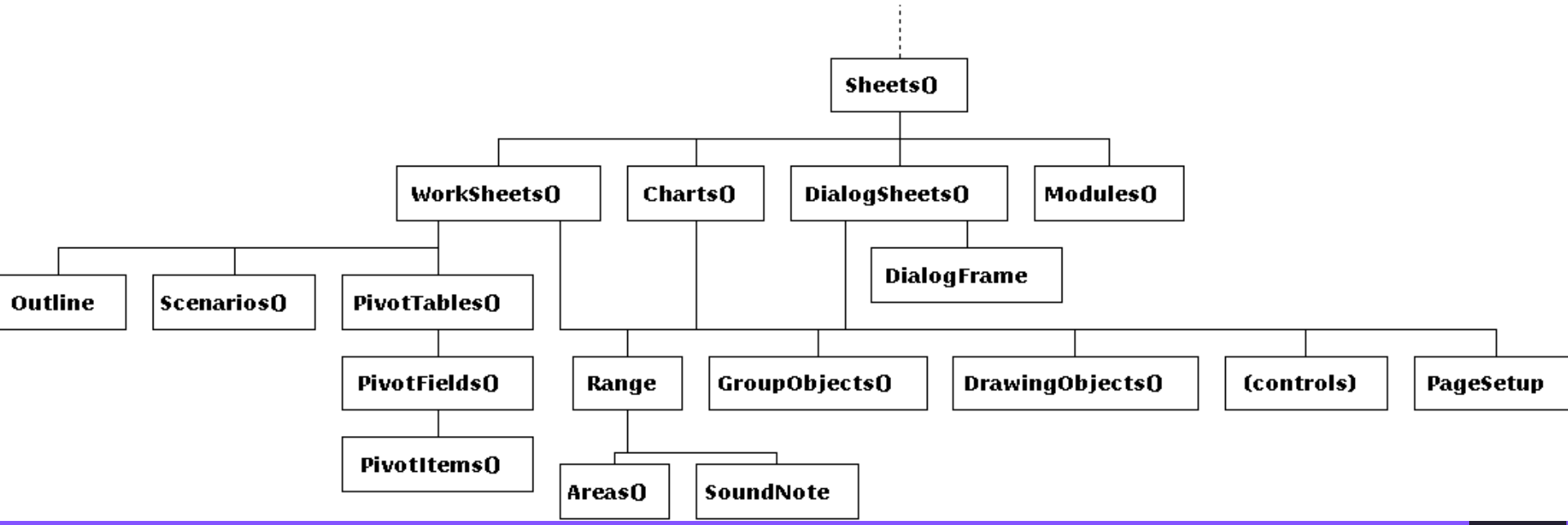
OLE Automation

Architecture
Object Classes & Class IDs
Type Libraries & Browsers
Registration Database
Manipulating Objects

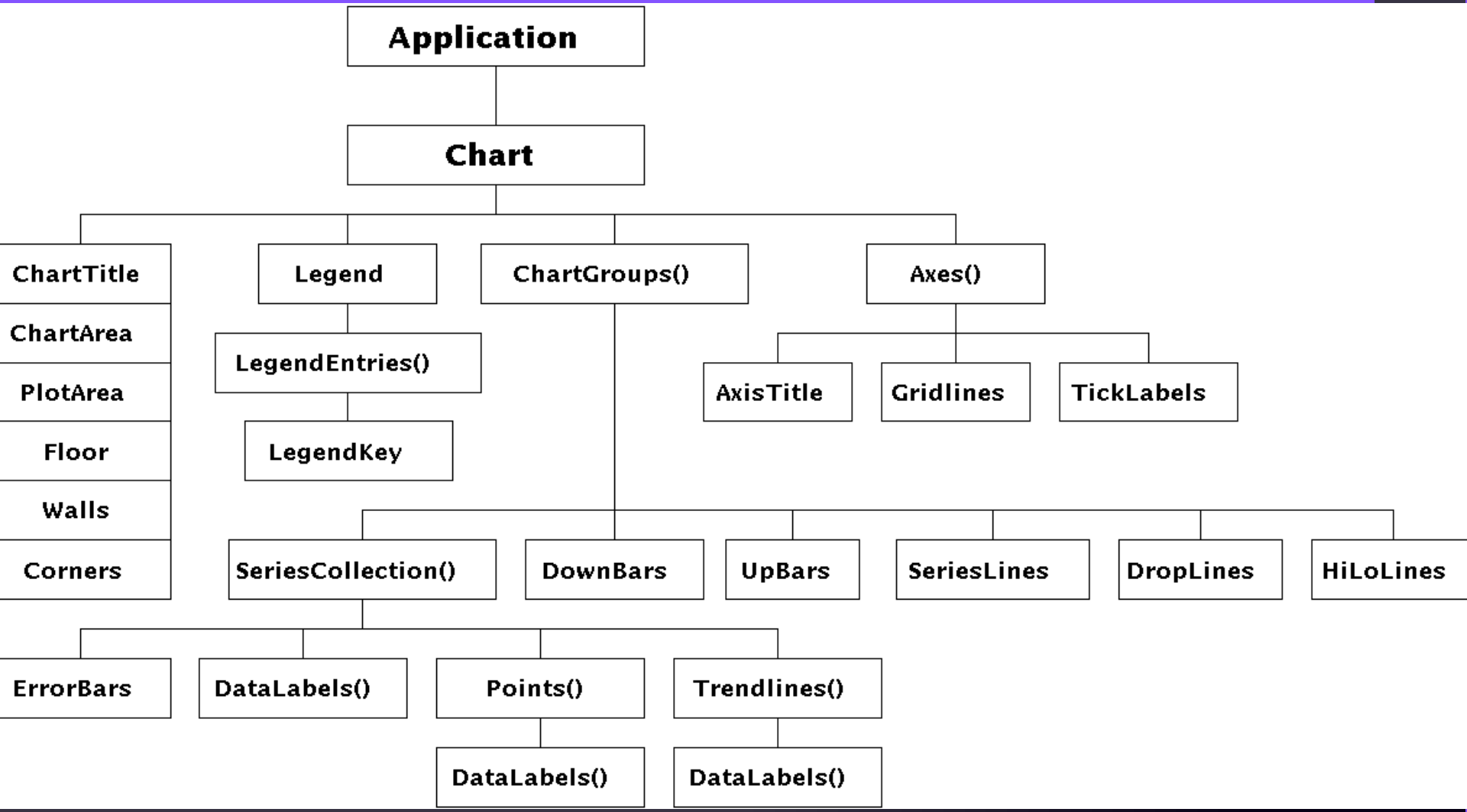
Excel Object Model (Top)



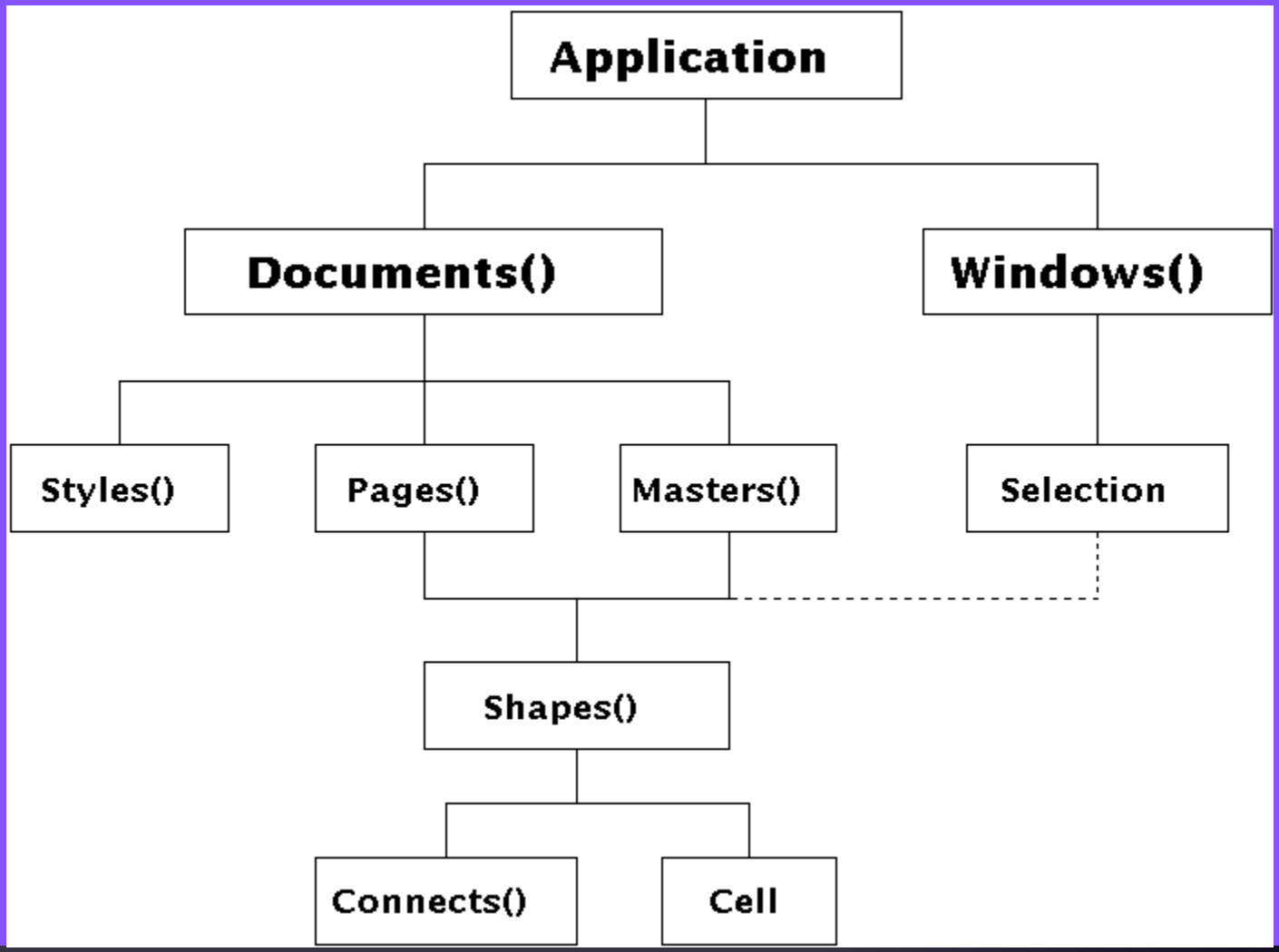
Excel Object Model (Sheet)



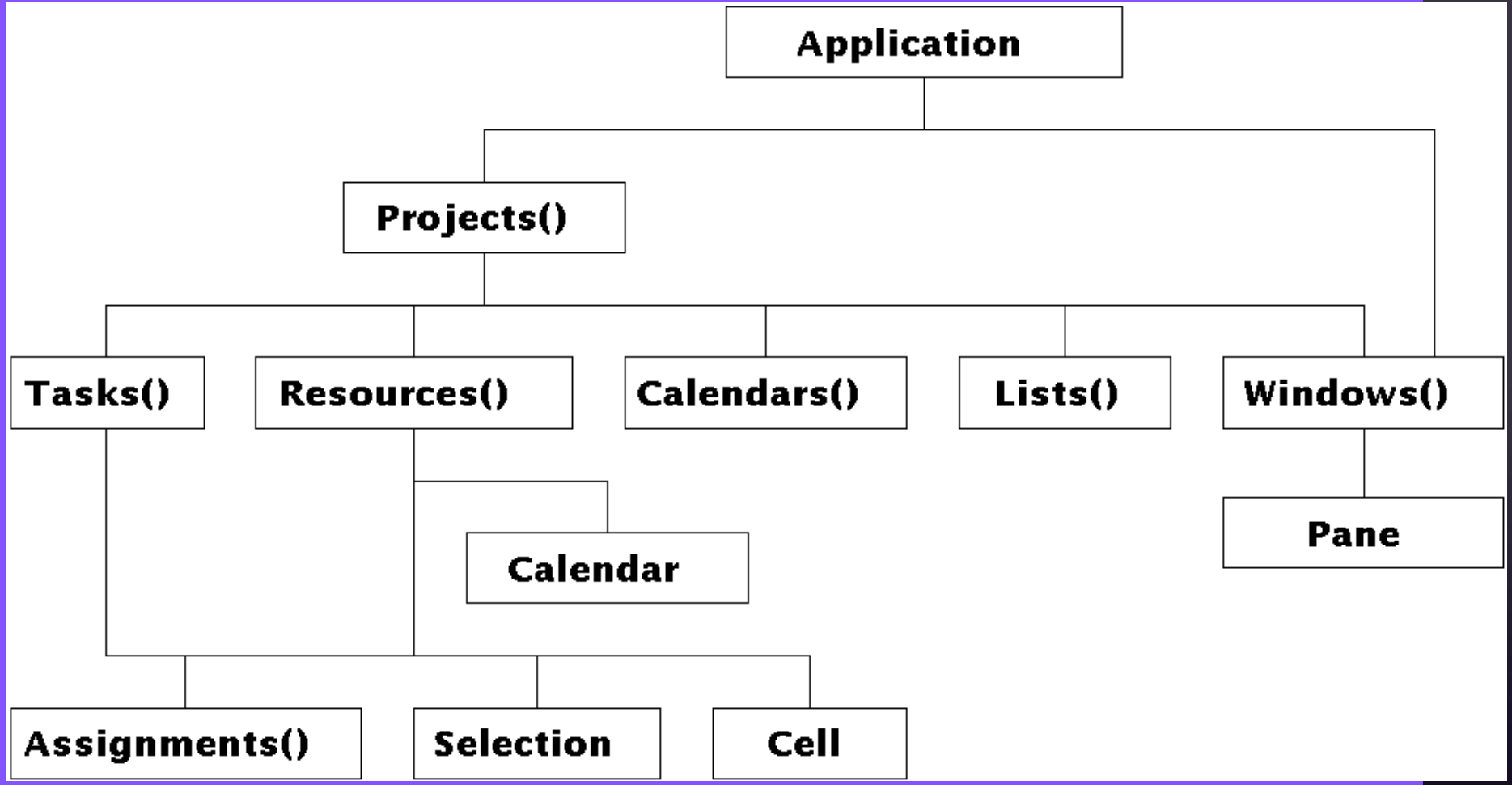
Graph Object Model



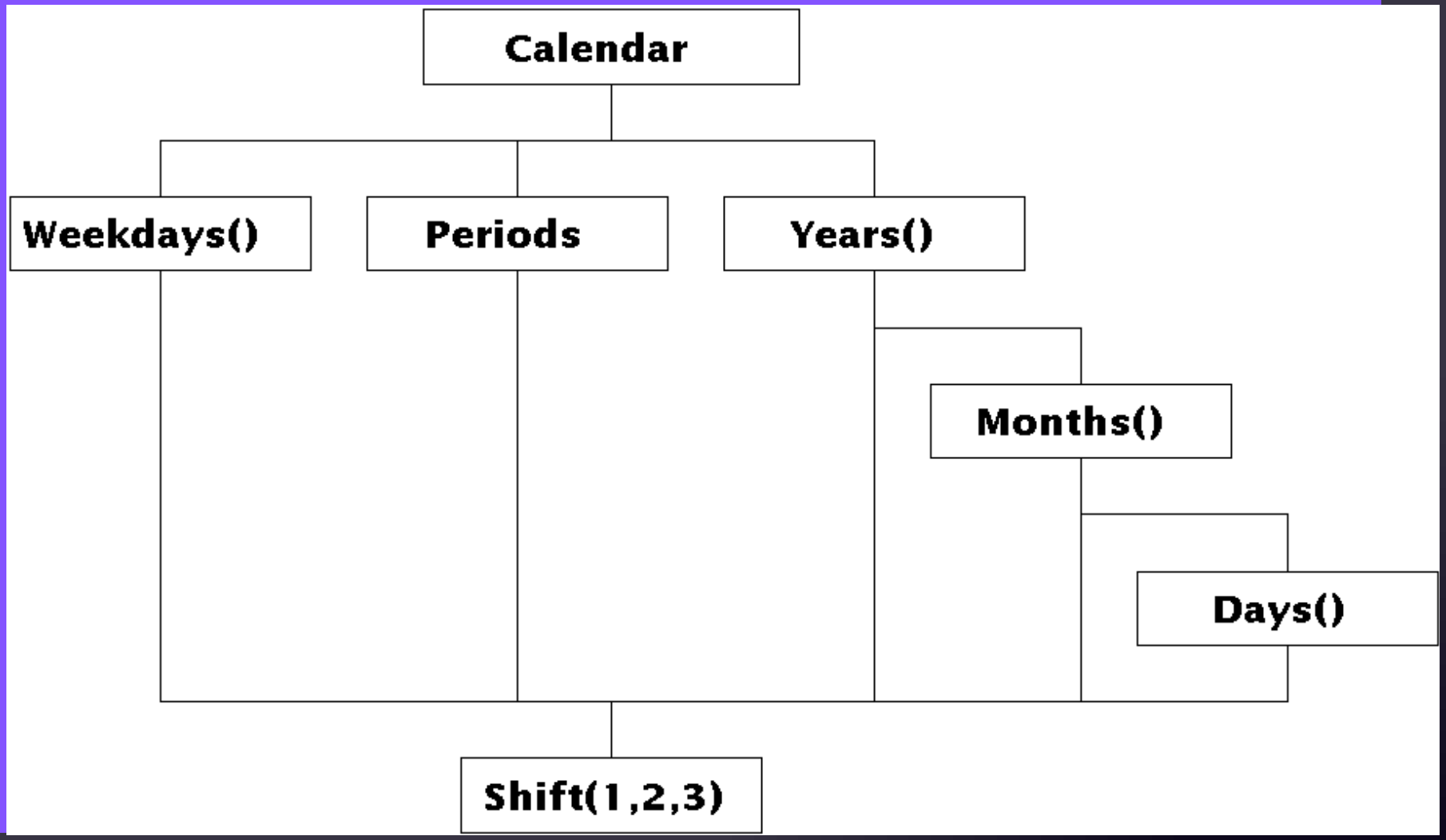
Visio Object Model



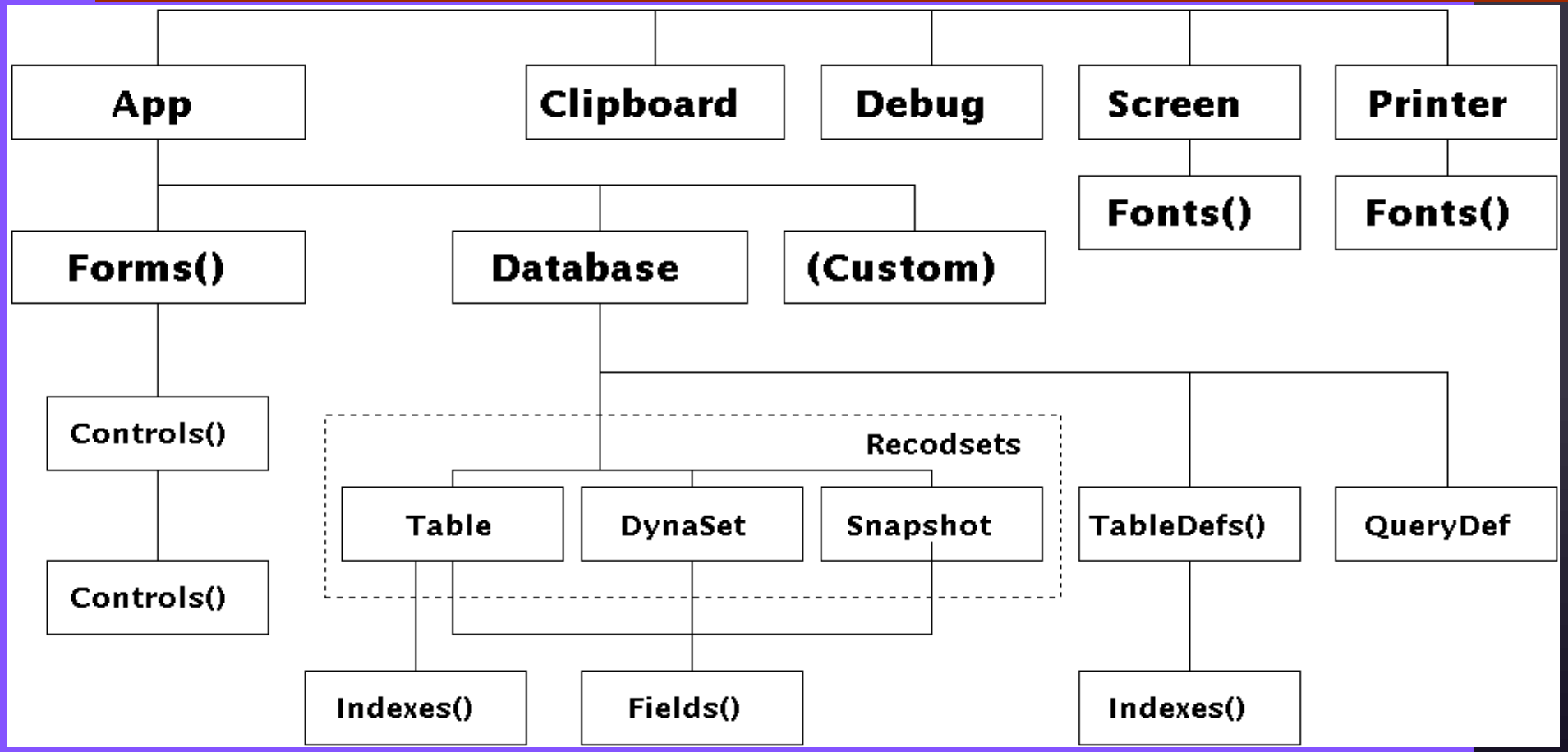
Project Object Model (Top)



Project Object Model (Calendar)



Visual Basic Object Model



Code Samples

VB to Excel
VB to Word
VB to Visio

Summary

Resources
Network support for objects
Internationalization built into OLE architecture
Platforms (Windows, NT, Macintosh (UNIX?))
Implications & Futures

Questions?

Conclusion

Additional questions outside
Thanks for coming
Fill out evaluation
Get out of here! :-)