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Hands-On OLE Automation

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Code File: OA.ZIP

San Francisco

VBITS '94

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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**
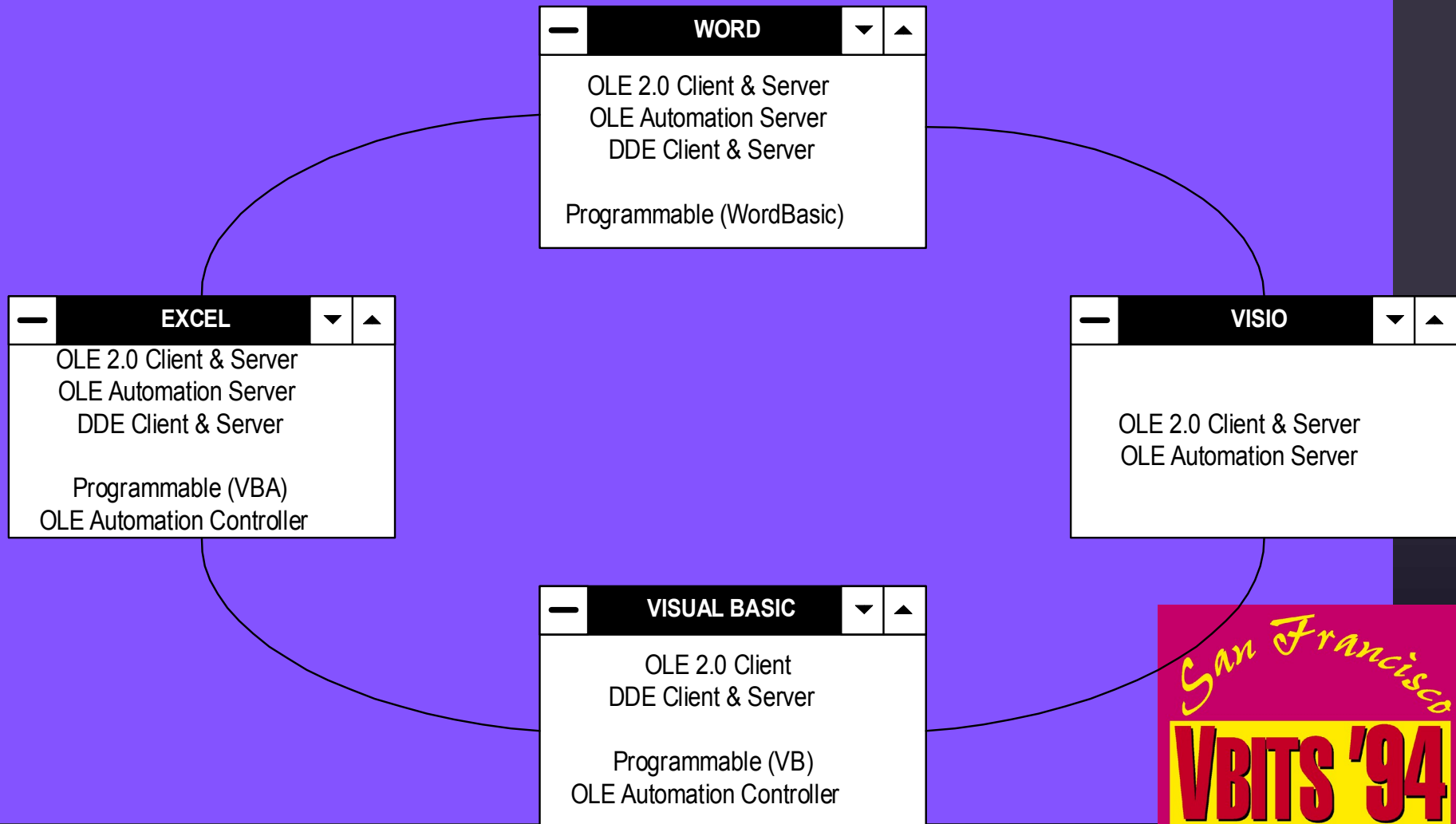> **how it's programmed**

Overview

Introduction

Development Strategies

Complex. Powerful. New.

OLE 2.0 versus OLE Automation

What Does What

WORD

OLE 2.0 Client & Server
OLE Automation Server
DDE Client & Server

Programmable (WordBasic)

EXCEL

OLE 2.0 Client & Server
OLE Automation Server
DDE Client & Server

Programmable (VBA)
OLE Automation Controller

VISIO

OLE 2.0 Client & Server
OLE Automation Server

VISUAL BASIC

OLE 2.0 Client
DDE Client & Server

Programmable (VB)
OLE Automation Controller

Microsoft Office

PROJECT

OLE 2.0 Client & Server
OLE Automation Server
DDE Client & Server

Programmable (VBA)
OLE Automation Controller

EXCEL

OLE 2.0 Client & Server
OLE Automation Server
DDE Client & Server

Programmable (VBA)
OLE Automation Controller

WORD

OLE 2.0 Client & Server
OLE Automation Server
DDE Client & Server

Programmable (WordBasic)

ACCESS

OLE 2.0 (future)
OLE Automation (future)
DDE Client & Server

Programmable (AccessBasic)

EQUATION

OLE 2.0 Server

GRAPH

OLE 2.0 Server

WORD ART

OLE 2.0 Server

MAIL

(MAPI)

POWER POINT

OLE 1.0 Client & Server

VISUAL BASIC

OLE 2.0 Client
DDE Client & Server

Programmable (VB)
OLE Automation Controller

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
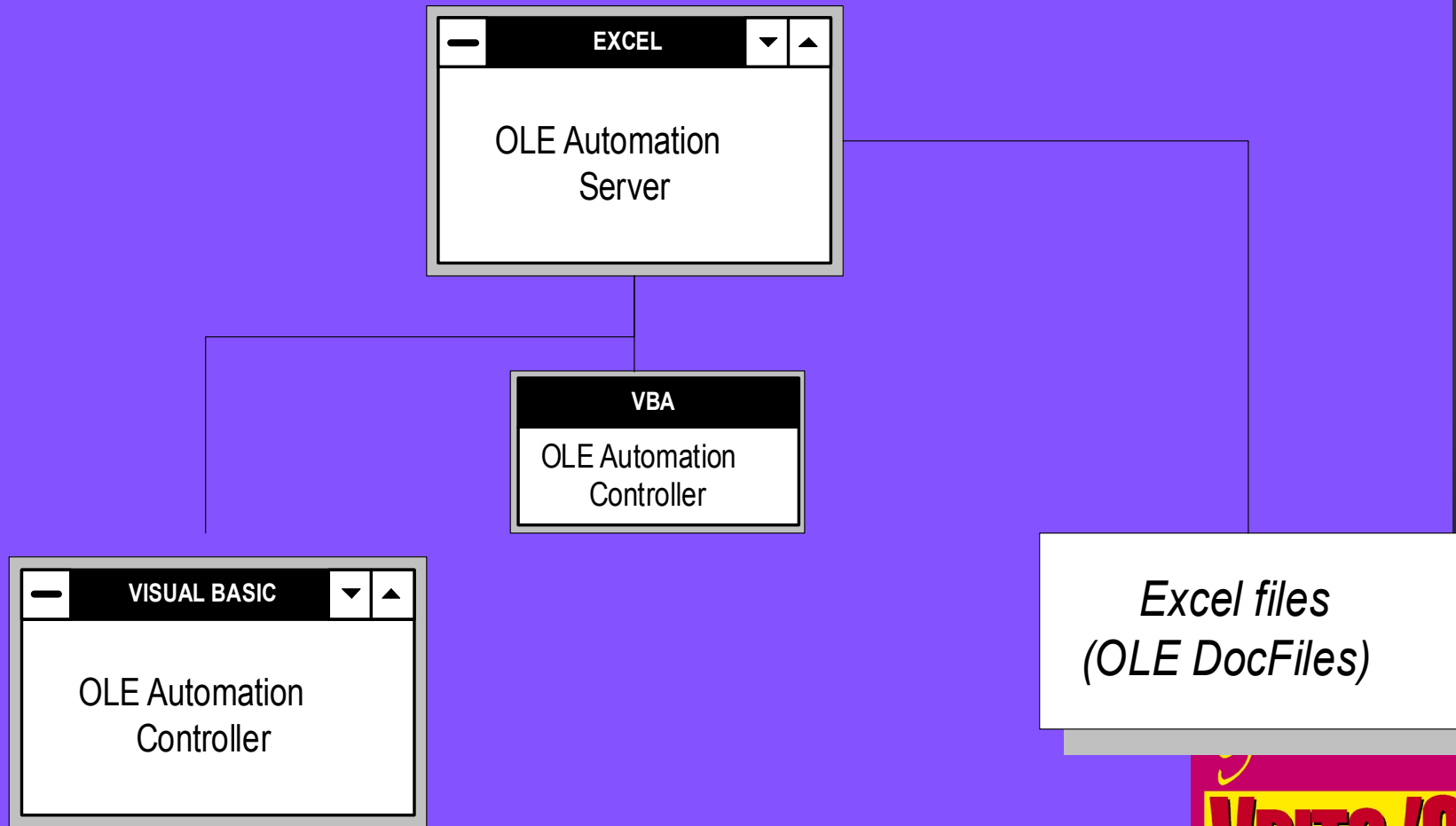
Windows Process Status (WPS)

DocFile Viewer

Data Object Viewer

Type Library Browser

OLE 2.0 Viewer
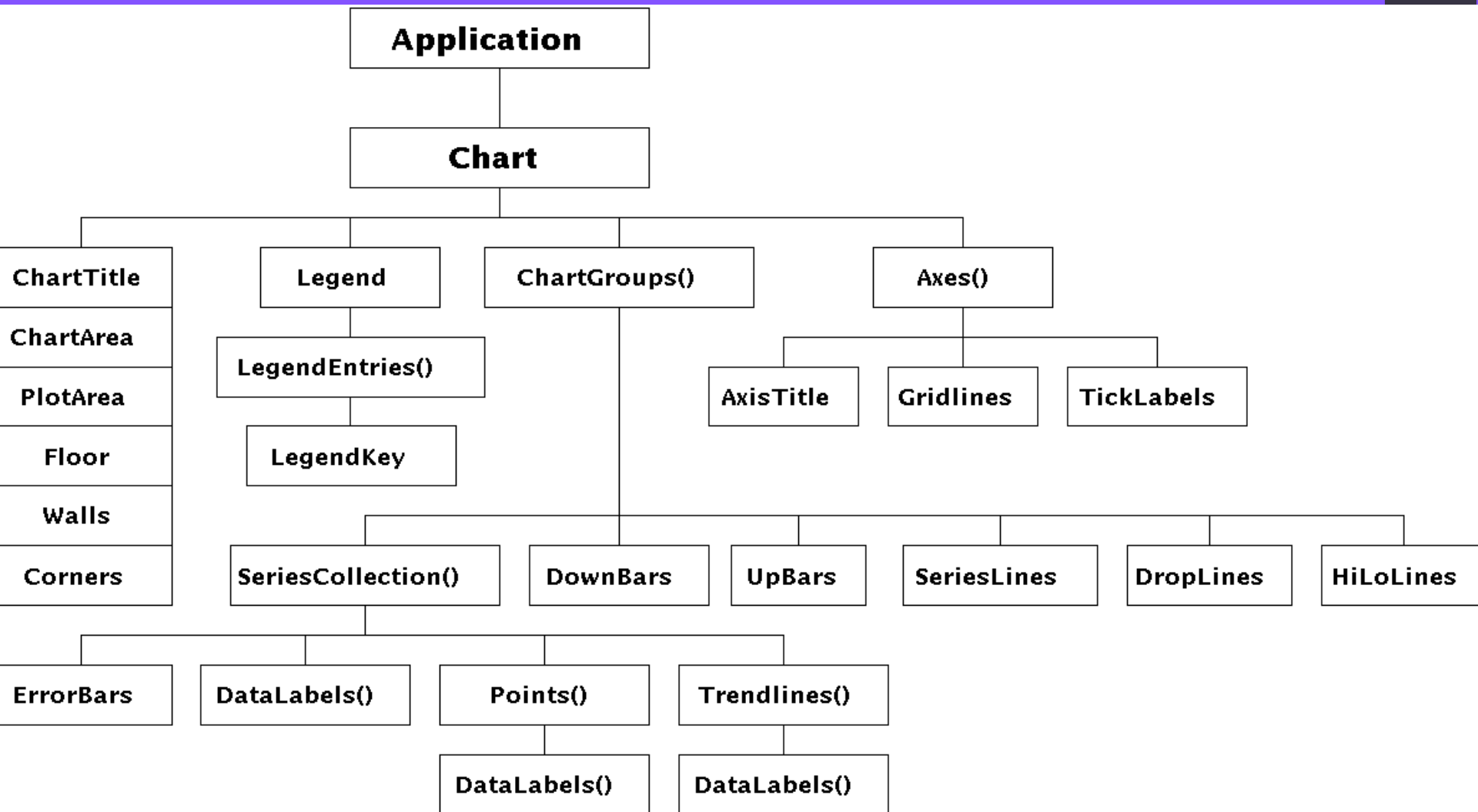
VB / VBA / Excel

Excel Object Model (Top)
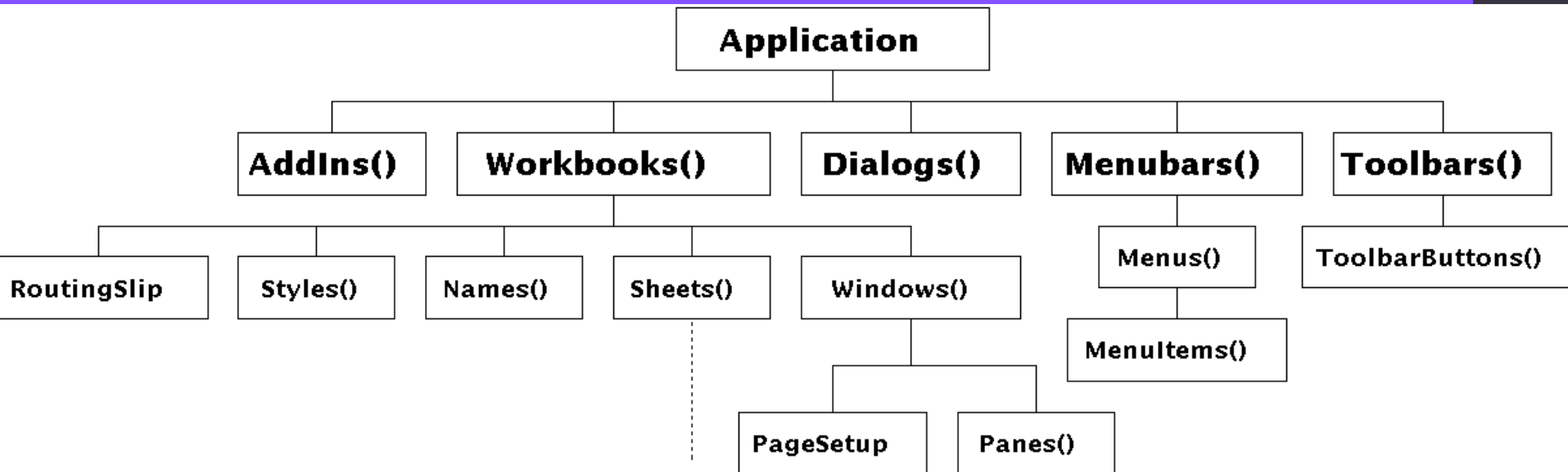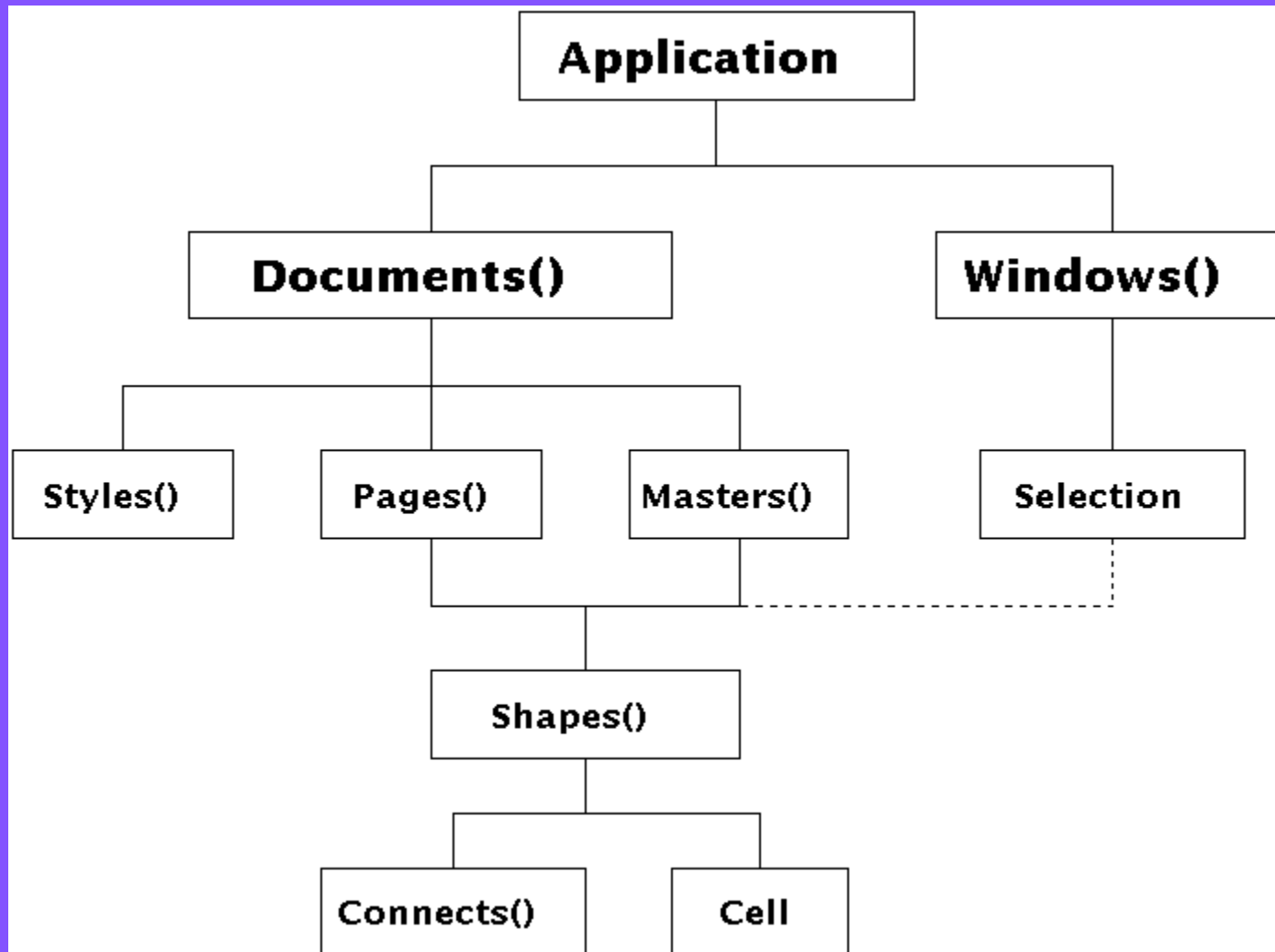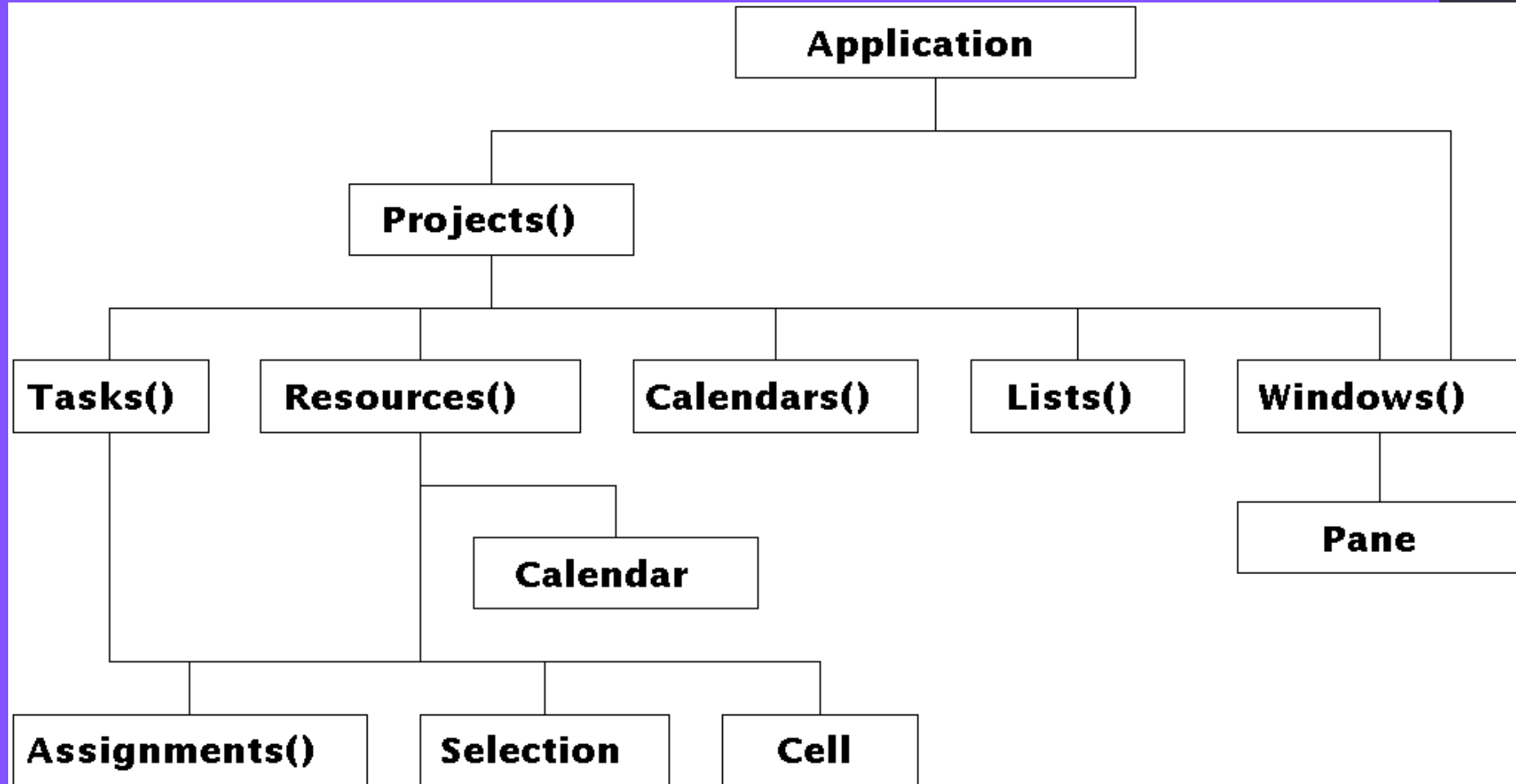
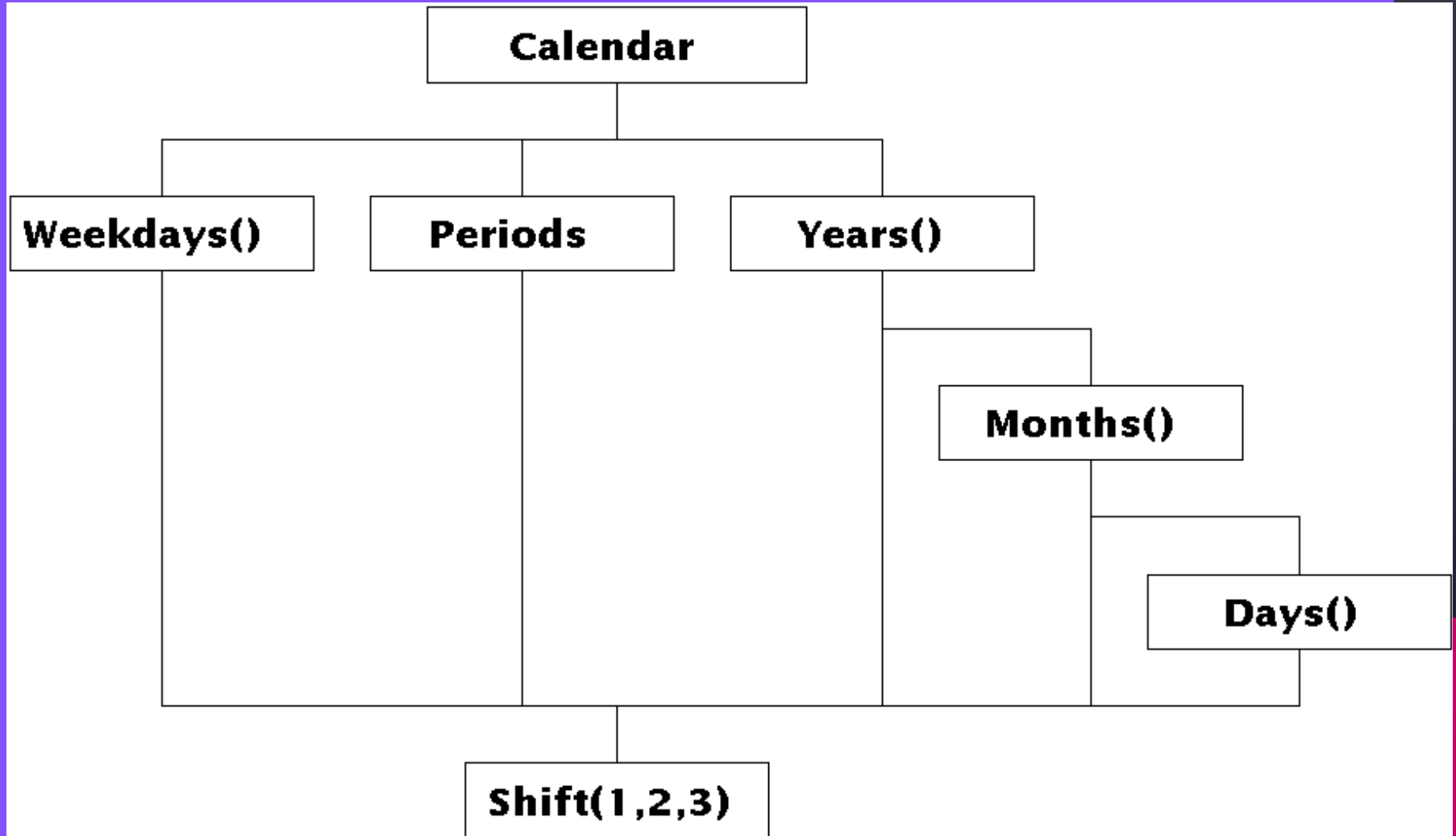# Excel Object Model (Sheet)
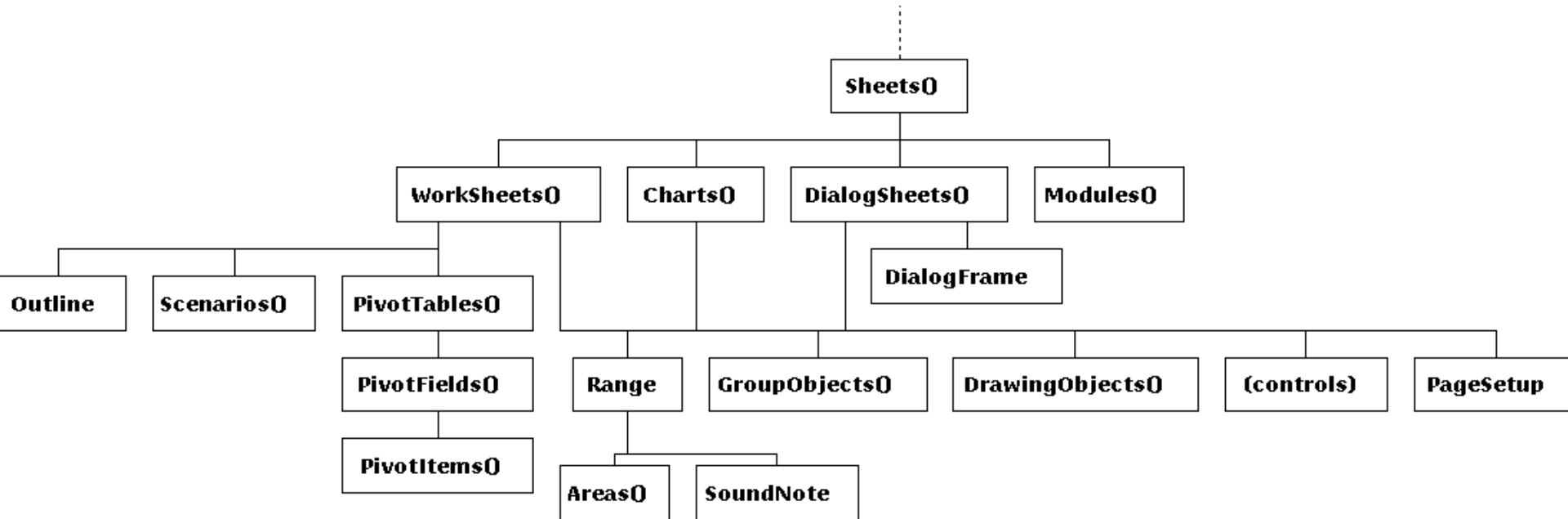
Graph Object Model

Visio Object Model

Project Object Model (Top)

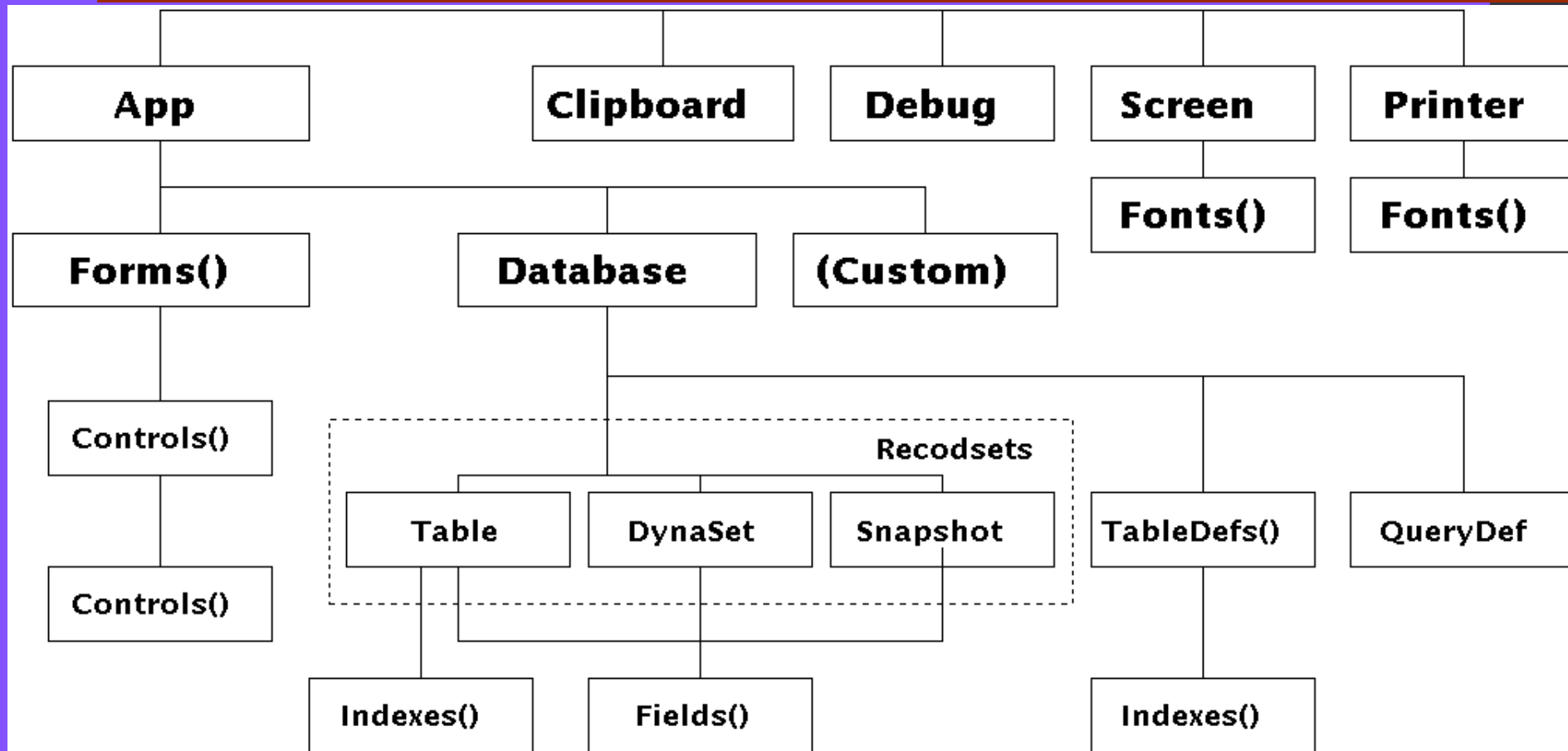# Project Object Model (Calendar)

California

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! :-)

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