

PowerBuilder New Features

Module 1: Getting Started with PowerBuilder and Basic UI/UX Enhancements

Session 1: Introduction to PowerBuilder

- Overview of PowerBuilder and its development environment
- PowerBuilder IDE components (Workspace, Targets, Libraries, and Objects)
- Installation and setup of PowerBuilder
- Basic PowerBuilder concepts: Windows, Menus, and DataWindows
- **Practical exercise:** Create a simple PowerBuilder application with basic UI components

Session 2: PowerScript Basics

- Introduction to PowerScript (PowerBuilder's scripting language)
- Understanding events, functions, and error handling
- Creating basic scripts and understanding their execution flow
- **Practical exercise:** Write scripts for button clicks and form events

Session 3: Introduction to New UI/UX Features

- Overview of recent UI/UX improvements in PowerBuilder
- Introduction to new UI controls and enhancements

Session 4: RibbonBar Control

- Understanding the RibbonBar Control for modern UI design
- Adding and customizing RibbonBars in PowerBuilder
- **Practical exercise:** Create a simple interface using the RibbonBar Control

Module 2: Advanced UI/UX Features and Data Handling

Session 1: Web Browser Control

- Introduction to embedding web content with the Web Browser Control
- Practical use cases for Web Browser Control in PowerBuilder applications
- **Practical exercise:** Embed a web page within a PowerBuilder window

Session 2: UI Themes

- Introduction to UI Themes for enhancing UI aesthetics
- Applying and customizing themes in PowerBuilder
- **Practical exercise:** Create and apply a theme for UI consistency across an application

Session 3: DataWindow Basics and Enhancements

- Understanding DataWindows for data management
- Recent enhancements in DataWindows

- **Practical exercise:** Design a DataWindow with improved UI elements

Session 4: Cloud Consumer Functionalities Overview

- Introduction to cloud-based integrations in PowerBuilder
- Overview of RESTClient, JSONPackage, and DataWindow enhancements

Module 3: Cloud and REST Integrations

Session 1: RESTClient

- Using RESTClient to connect to web APIs
- **Practical exercise:** Configure RESTClient to fetch data from an API

Session 2: JSONPackage

- Handling JSON data using JSONPackage
- Parsing and constructing JSON in PowerBuilder applications
- **Practical exercise:** Integrate JSON data into a PowerBuilder application

Session 3: DataWindow with REST Data Source

- Binding DataWindow to REST data sources for dynamic content
- **Practical exercise:** Display REST API data in a DataWindow

Module 4: .NET Integration and Application Deployment

Session 1: Overview of .NET Integration

- Introduction to DotNetObject and DotNetAssembly
- Benefits of integrating .NET assemblies in PowerBuilder applications

Session 2: Working with DotNetObject

- Using DotNetObject for .NET Framework integration
- **Practical exercise:** Access a .NET library in PowerBuilder

Session 3: DotNetAssembly for .NET Core Integration

- Integrating .NET Core assemblies using DotNetAssembly
- **Practical exercise:** Access .NET Core functionality in PowerBuilder

Session 4: .NET DLL Importer Tool

- Introduction to the .NET DLL Importer tool
- Steps to import and use .NET DLLs in PowerBuilder
- **Practical exercise:** Import and call functions from a .NET DLL