



Course Description: Building Web Applications, Level 1 is an instructor-led training (ILT) course designed for users of the Alpha Five V8 software package who wish to learn how to create a basic web application. This course covers the fundamentals of database designing for the Web so that users of the web application are provided with continuous access to real-time information stored in an Alpha Five. Participants learn how to design HTML and Alpha Five web pages using the HTML Editor, build dialog, grid, grid linker, login, navigation, and maintenance web components using the Web Component Builder. Participants also learn how to manipulate data and web page navigation, change page design and style, input Xbasic code to manipulate data in the database from the web, incorporate images, configure and implement security, publish, and test the application.

Course Length: 2 Days

Prerequisites: Alpha Five v8 Level 1 and Alpha Five v8 Level 2 or equivalent knowledge.

OUTLINE

Introduction Web Essentials

An Overview of the World Wide Web
Understanding How the Web Works
Terminology Overview
Explanation of Sessions and Cookies
Building a Web Database Application
Desktop vs. Web Databases
Beginning the Web Application Design
Design Tips for Web Application Development
Specifying Web Application Data

Getting Started: The Planning Phase

Why Use Alpha Five?
Identifying Web Application Development Tools
Designing a Web Application
Determining Specifications
Establishing a Planning and Construction Guide

Starting Construction

Understanding the Web Application Server
Configuring the Web Application Server
Using the Web Application Server Control Panel
Understanding Web-root
Creating a Web Project

Creating a Grid Component

Selecting Grid Content
Defining Component Layout
Choosing the Data Source for the Grid
Selecting Data for the Grid
Using Special Controls in a Grid
Saving a Component
Previewing the Grid
Setting Field Properties

Setting Field Display Format
Specifying In-Line Styles & Display Settings
Setting Grid Properties
Setting Row, Column, and Navigation
Adding a Search Part
Setting Field and Search Properties
Adding a Detail View Part
Setting Detail Field and Detail Properties

Working with Tabbed Grid Linker Components

Creating a Tabbed Grid Linker Component
Using the Tabbed Grid Linker Builder
Adding Components to the Grid Linker
Linking Components
Setting Component Properties

Setting Navigation

Creating a Navigation Component
Planning Page Navigation
Choosing the Navigation Type and Style
Defining Navigation System Root Settings
Adding a Menu item
Arranging Menu Items
Attaching a Menu Item to a Web Page

Setting up Maintenance

Creating a Maintenance Component
Defining a Maintenance Component
Creating the Layout
Selecting Maintenance Options
Setting Component Properties



Working with Web Pages

- Creating Web Pages
- Adding Images to a Project
- Using the HTML Editor
- Creating an .A5W Page
- Creating a Table
- Inserting an Image
- Setting Table and Cell Properties
- Saving a Web Page
- Inserting a Component onto a Page
- Removing Component Parts
- Viewing HTML Source Code
- Previewing a Web Page
- The Local Webroot Publish Profile

Configuring Security

- Setting up Security
- Defining the Security Configuration
- Configuring Users and Groups
- Adding and Editing users
- Adding and Editing Groups
- Creating a Login Component
- Configuring the Login View and Layout
- Configuring the Login View Controls
- Configuring the Login View Properties
- Configuring Other Views
- Configuring the Change Password View

Building a Dialog Component

- Creating a Dialog Component
- Defining a Dialog Component
- Creating a Control
- Creating DropDown and Radiobutton Controls
- Defining a Control with Dynamic List Type
- Setting Field Validation
- Setting Dialog Component Properties
- Setting Field & Client-side Validation
- Setting Server Events
- Setting Server Events for Security Dialogs
- Creating an .A5W Page from a Component

Assembling the Building Blocks

- Adding Security to Navigation Components
- Previewing the Security
- Configuring the Navigation Component Controls
- Add the Page URL
- Applying Security to Components
- Setting security in Field Properties
- Setting Security for Component Properties
- Building Links in Components
- Opening the Computed Link Builder
- Adding Variables in the Computed Link Builder
- Using the Add Variables Genie
- Adding Security to Pages

Publishing and Testing

- Performing a Test Publish
- Testing the Published Project
- Listing the Problems
- Adding Styles to a Page
- Building the Logout Page
- Adding New Pages to the Project
- Publishing Security
- Creating Hyperlinks
- Testing in Different Browsers

Appendix A: Structuring the Data

- Organization Business Model
- Data Required and Table Structures

Appendix B: Application Layouts

- Site Map and Navigation
- Web Application Pages to Build
- Web Components to Build

Appendix C: Project Grid Components

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