



**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



# ***Building Web Applications, Level 1***

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## **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**

