



E-Commerce : Design and Implementation of Shopping Cart

AKA : Cambridge Advanced Level Cert in ICT – Website Programming

Course Objective:

This course focuses on the technological infrastructure needed for implementing e-Business solutions, on the software components necessary, and on how to implement such applications. A major component of the course will be a hands-on project of developing an e-business application using ASP.Net.

Upon completing this course, students will be able to:

- explain the main concepts related to e-business and e-commerce;
- explain the process of introducing e-business applications into an organization;
- explain the e-business technology and infrastructure;
- discuss the security issues involved in conducting business transactions on the internet; and
- develop dynamic and interactive e-business applications.

Prerequisite:

Website Designing knowledge will be essential

Certificate Of Attendance :

Certificate Of Attendance will be awarded to students completing the course achieving minimum 75% attendance.

Training Methodology & Materials:

- Practical hands-on sessions, 75% lab-based and 25% theory-based.
- Well-designed lab sessions to enhance further understanding of the courseware.

Training Duration:

Full-Time : 5 days (10am to 5pm)

Part-Time : 10 sessions (7pm to 10pm, twice a week)

Course Training Fee :

Course Fee : S\$899

Regn Fee : S\$50

SDF grant available. Please contact our Customer Service for more details.

DETAILED COURSE OUTLINE

Introduction Chapter - Electronic Commerce Foundations

- Impetus for Web Commerce
- Electronic Commerce Predictions
- How These Concepts Apply to Our Focus Companies
- Types of Electronic Commerce
- Advantages and Issues in Electronic Commerce
- E-Commerce Solutions
- Hardware and Software
- Ingredients of a Web Storefront
- Seven Ingredients to Success
- The Virtual Enterprise
- Site Implementation and E-Commerce Guidelines

Chapter 1 - Microsoft's ASP.NET

- What is ASP. NET?
- The .NET Framework Class Library
- Understanding Namespaces
- Avoiding Confusion Between ASP and ASP.NET
- The Installing Process
- Starting the Web Server
- Building a Simple ASP.NET Page
- Important Points To Be Noted
- Advantages of ASP.NET Controls
- Using ASP.NET Controls
- View State
- Usefulness of view state
- Structure of an ASP.NET Page
- Common elements of an ASP.NET page.

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Chapter 2 - Beginning Web Forms

- Web Forms Programming Model
- Server Controls
- Server Controls Events
- Posting Web Forms
- Saving State
- Web Forms Processing Order
- HTML Server Controls
- Web Server controls
- Example on Web Controls

Chapter 3 - User Controls

- User Control Structure
- Creating User Controls
- Validating ASP.NET Pages
- Configuring Client-Side Validation

Chapter 4 - ADO .NET

- ADO.NET
- Performing Common Database Tasks
- How to Open a Database Connection?
- Retrieving Records from a Table
- Retrieving a Single Database Record
- Queries using Parameters
- Using Parameters with Microsoft SQL Server
- Using Parameters with MS Access
- Inserting Values in a Table [INSERT Command]
- Parametric Insert
- Updating Database Records
- Parametric Update
- Deleting Database Records
- Parametric Delete
- Improving Database Performance
- Using SQL Stored Procedures

Chapter 5 - DataBinding to WebControls

- DataBinding to WebControls
- How to Bind a Server Control to a Data Source?
- Use of Template

Chapter 6 - DataList Controls

- DataList Controls
- Controls performing support function
- Event Bubbling
- Using Templates
- Styles
- Using the DataKeys Collection
- DataList Control
- Displaying Data in a DataList
- Using Templates with a DataList
- Binding Data to the Control

Chapter 7 - DataGrid Control

- The DataGrid Control
- Creating Columns in a DataGrid Control
- Events
- Adding a BoundColumn to a DataGrid
- Adding a HyperLinkColumn to DataGrid Control

Chapter 8 - Advance Practical Examples on DataGrid

- Advance Practical Examples on DataGrid
- Adding an EditCommandColumn to a DataGrid Control
- Using Styles with a DataGrid
- Sorting Columns in a DataGrid Control
- Paging Through Records in a DataGrid
- Edit column in a Datagrid Control

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Chapter 9 - Working with DataSets

- Understanding DataSets
- Elements of DataSets
- DataAdapter
- DataSet
- DataTable
- DateRelation
- DataView
- Adding DataTables to a DataSet
- Binding Controls to a DataSet
- Understanding DataTables
- DataTable Properties
- Creating DataTables by using Programs
- Displaying Cached Data

Chapter 10 - Working with XML

- Working with XML
- XMLTextReader
- XML TextWriter
- XML Document
- XML DataDocument
- XML NodeReader
- Document Navigator
- XML DataSet
- Using Schema with ReadXml
- Writing an XML Document from a DataSet

Chapter 11 - Forms Based Authentication

- Form Based authentication
- Enabling Forms Authentication
- Configuring Forms Authentication
- Configuring Forms Authorization

Chapter 12 - Windows Based Authentication

- Windows Based Authentication
- Configuring Windows Authentication
- Configuring Forms Authorization
- Examples

Contact us:

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