

# Table of Contents

<b>INTRODUCTION .....</b>	<b>XI</b>
<b>CHAPTER 1: ASP.NET 4.0 ESSENTIALS .....</b>	<b>1</b>
Exploring the .NET Framework.....	3
Key Features of the .NET Framework .....	4
New Features of the .NET Framework 4.0 .....	4
Exploring the Visual Studio 2010 IDE.....	5
Components of Visual Studio 2010 IDE.....	6
New Features in Visual Studio 2010 IDE .....	17
Exploring the ASP.NET 4.0.....	25
Specifying a Location for a Web Application.....	26
Describing File Types in ASP.NET 4.0 .....	26
Exploring ASP.NET 4.0 Web Pages.....	29
Improvements in ASP.NET 4.0 Web Pages .....	32
Coding Techniques in Web Application .....	35
Compilation in ASP.NET 4.0.....	35
Describing ASP.NET Technologies .....	37
Technologies Used in Projects Development.....	38
Summary.....	38
 <b>PROJECT I: ONLINE INSIGHT EDUCATION LIBRARY</b>	
<b>CHAPTER 1: CASE STUDY: ONLINE INSIGHT EDUCATION LIBRARY .....</b>	<b>41</b>
Background.....	43
Problems with the Existing System .....	43
Project Requirements .....	44
Software Requirements .....	44
Basic Concepts of C#, SQL Server and ASP.NET.....	44
SDLC of the Online Insight Education Library Website .....	44
The Requirement Analysis Phase .....	45
The Design Phase .....	45
The Development Phase.....	54
The Testing Phase .....	54
The Implementation and Maintenance Phase .....	54
Summary.....	54

<b>CHAPTER 2: DEVELOPING THE GUEST USER MODULE .....</b>	<b>55</b>
Creating the Online Insight Education Library Website .....	57
Adding Folders in the Website .....	60
Adding Images in the Website .....	61
Creating and Designing the Master Page.....	62
Creating the Master Page .....	62
Designing the Master Page.....	64
Adding a Menu Control .....	67
Adding a Style Sheet .....	71
Developing the Home Page .....	74
Developing the Search Books Page.....	77
Developing the Buy Books Page .....	82
Google Checkout.....	84
Developing the Suggestion & Complaint Page .....	92
Developing About Us Page .....	99
Developing the Contact Us Page.....	100
Summary.....	102
<b>CHAPTER 3: DEVELOPING THE LOGIN MODULE .....</b>	<b>103</b>
Exploring the Pages of the Login Module .....	105
Configuring the OnlineLibrary Database.....	106
Developing the New User Page .....	109
Developing the Complete Profile Page.....	113
Developing the Login Page .....	121
Developing the Forgot Password Page .....	123
Summary.....	124
<b>CHAPTER 4: DEVELOPING THE REGISTERED USER MODULE.....</b>	<b>125</b>
Creating the Master Page.....	127
Developing the My Info Page.....	133
Developing the Issue Books Page.....	143
Developing the Issued Status Page .....	152
Developing the Change Password Page .....	156
Developing the Delete Account Page .....	158
Developing the Log Out Page .....	163
Summary.....	164
<b>CHAPTER 5: DEVELOPING THE ADMINISTRATOR MODULE .....</b>	<b>165</b>
Developing the Master Page .....	167
Developing the Admin Home Page.....	174

Developing the Delete User Page .....	178
Developing the Issue Books Page.....	183
Developing the Restore Returned Books Page.....	187
Developing the Store New Books Page .....	194
Developing the View User/Book Info Page .....	200
Summary.....	212
<b>PROJECT II: ONLINE ENTERTAINMENT</b>	
<b>CHAPTER 1: CASE STUDY: ONLINE TRAVEL AGENCY .....</b>	<b>215</b>
Background.....	217
Problems with Existing System .....	217
Envisioned System.....	217
Software Requirements .....	218
Basic Concepts of C# and ASP.NET .....	218
SDLC of Online Travel Agency Project .....	218
The Requirement Analysis Phase .....	218
The Software Design Phase.....	219
The Development Phase.....	223
The Testing Phase .....	224
The Implementation and Maintenance Phase .....	224
Summary.....	224
<b>CHAPTER 2: DEVELOPING THE LOGIN MODULE .....</b>	<b>225</b>
Creating a Master Page.....	227
Adding the Master Page.....	228
Defining CSS Style .....	230
Adding controls on the Master Page .....	232
Adding the RoundedCornersExtender control .....	241
Writing the Code for the Master Page .....	247
Developing the Home Page .....	247
Developing the Login Page .....	251
Working with the Register User Page.....	253
Working with the Change Password Page.....	267
Working with the Recover Password Page.....	268
Summary.....	270
<b>CHAPTER 3: DEVELOPING THE BOOKING MODULE.....</b>	<b>271</b>
Working with the Car Booking Page .....	273
Creating the Car Booking Details Page.....	279
Designing the Car Booking Details Page.....	281

**vi ASP.NET 4.0 PROJECTS**

Integrating Google Checkout™.....	286
Customizing the Code of the Car Booking Details Page .....	290
Working with the Bus Booking Page .....	294
Designing the Bus Booking Page .....	294
Customizing the Code of the Bus Booking Page .....	297
Working with Train Booking Page.....	301
Designing the Train Booking Page.....	302
Customizing the Code of the Train Booking Page.....	305
Working with the Feedback Page.....	311
Summary.....	314
<b>CHAPTER 4: DEVELOPING THE ADMINISTRATOR MODULE .....</b>	<b>315</b>
Adding the Administrator Page.....	317
Defining CSS Style for the Administrator Page.....	319
Designing the Administrator Page .....	319
Customizing the Code of the Administrator page .....	336
Summary.....	342
<b>PROJECT III: ONLINE BANDHAN MATRIMONIAL</b>	
<b>CHAPTER 1: CASE STUDY: ONLINE BANDHAN MATRIMONIAL.....</b>	<b>345</b>
Problems with the Existing System .....	347
Envisioned System.....	348
Software Requirements.....	348
Basic Concepts of C#, SQL Server and ASP.NET .....	348
SDLC of the Online Bandhan Matrimonial Website .....	349
The Analysis Phase .....	349
The Design Phase .....	349
The Development Phase.....	357
The Testing Phase .....	357
The Implementation and Maintenance Phase .....	358
Summary.....	358
<b>CHAPTER 2: DEVELOPING THE GENERAL USER MODULE .....</b>	<b>359</b>
Creating the Online Bandhan Matrimonial Website.....	361
Adding Images in the Website .....	365
Modifying the Style Sheet .....	366
Developing the Master Page .....	373
Developing the Home Page .....	377
Developing the About Us Page .....	389
Developing the Contact Us Page.....	390

Developing the Feedback Page .....	394
Summary .....	400
<b>CHAPTER 3: DEVELOPING THE REGISTERED USER MODULE.....</b>	<b>401</b>
Configuring the BandhanMatrimonial Database.....	403
Developing the Register Page.....	407
Developing the Complete Profile Page.....	409
Developing the Login Page .....	435
Developing the Forgot Password Page .....	437
Developing the Master Page .....	440
Developing the Welcome Page.....	443
Developing the Premium Service Page .....	446
Developing the My Info Page.....	452
Developing the Search Profile Page .....	482
Developing the Change Password Page .....	496
Developing the Log Out Page .....	497
Summary.....	498
<b>CHAPTER 4: DEVELOPING THE EVENT MANAGEMENT MODULE.....</b>	<b>499</b>
Developing the Wedding Venue Arrangement Page .....	501
Developing the Event Registered Page .....	512
Developing the Catering Arrangement Page.....	514
Summary.....	524
<b>PROJECT IV: SPORTS WEBSITE</b>	
<b>CHAPTER 1: CASE STUDY: SPORTS WEBSITE .....</b>	<b>527</b>
Background.....	529
Problems with Existing System .....	529
Envisioned System.....	529
Software Requirements .....	530
Basic Concepts of C# and ASP.NET .....	530
SDLC of Sports Website Project .....	530
The Requirement Analysis Phase .....	530
The Software Design Phase.....	531
The Development Phase.....	535
The Testing Phase .....	535
The Implementation and Maintenance Phase .....	535
Summary.....	536

<b>CHAPTER 2: DEVELOPING THE LOGIN MODULE .....</b>	<b>537</b>
Creating a Silverlight Application.....	539
Creating the Home Page .....	547
Adding the Silverlight Application on the Home Page of the Website .....	558
Adding the AJAX Control Toolkit .....	560
Designing the Home Page .....	563
Customizing the Login Page.....	568
Customizing the Registration Page .....	571
Customizing the Change Password and Change Password Success Pages.....	574
Working with the About Us Page.....	578
Summary.....	580
<b>CHAPTER 3: DEVELOPING THE ARTICLES MODULE.....</b>	<b>581</b>
Working with the Articles_List.aspx Page.....	583
Creating the Articles Page .....	586
Designing the Articles Page .....	587
Customizing the Code of the Articles Page .....	591
Summary.....	594
<b>CHAPTER 4: DEVELOPING THE SHOPPING MODULE.....</b>	<b>595</b>
Working with the Item Categories Page.....	597
Creating the Items Page.....	599
Creating the Item Details Page .....	604
Designing the Item Details Page .....	605
Integrating Google Checkout <sup>TM</sup> .....	608
Customizing the Code of the Item Details Page .....	612
Summary.....	616
<b>CHAPTER 5: DEVELOPING THE GALLERY MODULE .....</b>	<b>617</b>
Working with the Gallery Page .....	619
Creating the Gallery_Photo.aspx Page .....	625
Designing the Gallery_Photo.aspx Page .....	626
Customizing the Code of the Gallery_Photo.aspx Page .....	627
Summary.....	628
<b>PROJECT V: ONLINE EVENT ORGANIZER</b>	
<b>CHAPTER 1: CASE STUDY: ONLINE EVENT ORGANIZER.....</b>	<b>631</b>
Background.....	633
Problems with the Existing System .....	633
Envisioned System.....	633
Software Requirements.....	634

**TABLE OF CONTENTS ix**

Basic Concepts of C#, SQL Server, ASP.NET and MVC.....	634
SDLC of the Online Event Organizer Website.....	634
The Analysis Phase .....	635
The Design Phase .....	635
The Development Phase.....	640
The Testing Phase .....	640
The Implementation and Maintenance Phase .....	640
Summary.....	641
<b>CD CONTENTS.....</b>	<b>642</b>