ASP.Net

APPLICATION

Web solution

PREREQUISITES for ASP.Net programming

Basic programming

TOPICS COVERED

- Creating and programming a Web application
- Create and configure a Web application.
- Add and configure Web server controls.
- Create event handlers for pages and controls.
- Manage state and application data.
- Implement globalization and accessibility.
- Implement site navigation and input validation.
- Write an ASP.NET handler to generate images dynamically for display on a Web page.
- Configure settings for a Web application.
- Program a Web application.
- Integrating data in a Web application by using ADO.NET, XML, and data-bound controls
- Implement data-bound controls.
- Manage connections and transactions of databases.
- Create, delete, and edit data in a connected environment.
- Create, delete, and edit data in a disconnected environment.
- Manage XML data with the XML Document Object Model (DOM).
- Read and write XML data by using the XmlReader and XmlWriter.
- Creating custom Web controls
- Create a composite Web application control.
- Create a custom Web control that inherits from the Web Control class.
- Create a composite server control.
- Develop a template control.
- Tracing, configuring, and deploying applications
- Use a Web setup project to deploy a Web application to a target server.
- Copy a Web application to a target server by using the Copy Web tool.
- Precompiled a Web application by using the Publish Web utility.

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- Optimize and troubleshoot a Web application.
- Customizing and personalizing a Web application
- Implement a consistent page design by using master pages.
- Customize a Web page by using themes and user profiles.
- Implement Web Parts in a Web application.
- Implementing authentication and authorization
- Establish a user's identity by using forms authentication.
- Use authorization to establish the rights of an authenticated user.
- Implement Microsoft Windows authentication and impersonation.
- Use login controls to control access to a Web application.
- Use device-specific rendering to display controls on a variety of devices.
- Use adaptive rendering to modify the appearance of Web server controls.

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