Active Server Pages (ASP.NET)

Presented By

Manzoor Ahmad Mubashir
Muhammad Yousaf
Shahzad Gul
Agenda

• ASP.NET page life cycle
  • View state
  • Postback
  • Rendering

• Data Binding
• State Management
• Website Deployment
ASP.NET Page life cycle

- ASP.NET page life cycle starts with a call to `ProcessRequest()`
- These steps include managing view state, handling postback events, and rendering the page's HTML markup
View state

- The load view state stage only happens when the page has been posted back.
- During this stage, the view state data that had been saved from the previous page visit is loaded and recursively populated into the control hierarchy of the Page.
Postback

- A postback occurs when a page generates an HTML form whose values are posted back to the same page.
- Since HTTP is stateless and therefore ASP.NET uses a hidden form fields to handle a client side event on server side.
- In ASP.NET each page is handled as a separate entity that have ability to process its own data.
In the render stage the HTML that is emitted to the client requesting the page is generated. The Page class accomplishes this by recursively invoking the RenderControl() method of each of the controls in its hierarchy.
Demo
Data Binding

What is Data Binding?

- Populating controls with Data
- Data binding is the process that establishes a connection between the application UI and business logic
Deployment

- X-copy
- Copy website
Resources

- [www.nseeecs.edu.pk/~mujtaba/lectures/Lec_7(ASPnet%20Intro).ppt](www.nseeecs.edu.pk/~mujtaba/lectures/Lec_7(ASPnet%20Intro).ppt)