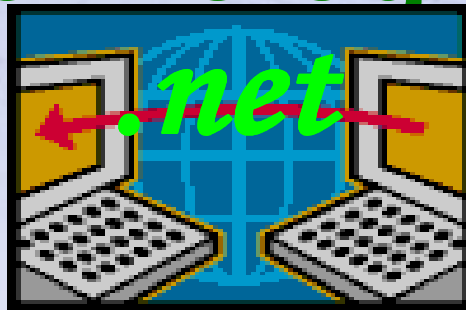


Naresh Information Technologies





Microsoft
ASP.net



ASP.NET

Web Forms & Web Services

Windows Form:
Windows User Interface

ADO.NET: Data & XML

.NET Framework Base Class Library

Common Language Runtime

N
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Nagaraj
.net

.NET Framework

VB

C++

C#

JScript

J#

Common Language Specification

ASP.NET

Web Forms Web Service
Mobile Forms

**Windows
Forms**

ADO.NET and XML

Base Class Library

Common Language Runtime

Operating System

Visual Studio.NET

N
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Nagaraj
.net

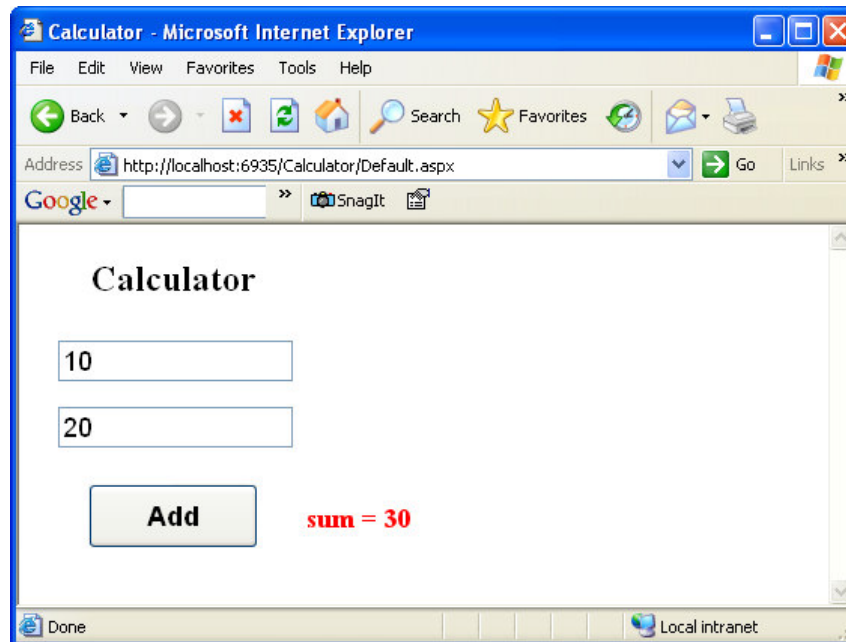


Prerequisites for Web Applications

- Web Applications & Desktop Applications
- Web Server with Web Applications
- Web Server Role, about IIS
- Web Browsers, Web Support Languages
- Scripting
- Client-Side & Server-Side Scripting
- State Management

WebForms & WinForms

- In .NET, GUI-based web applications are called “*WebForms*”
 - vs. “*WinForms*”, which are GUI-based Windows desktop applications
- Example: a simple web-based Calculator



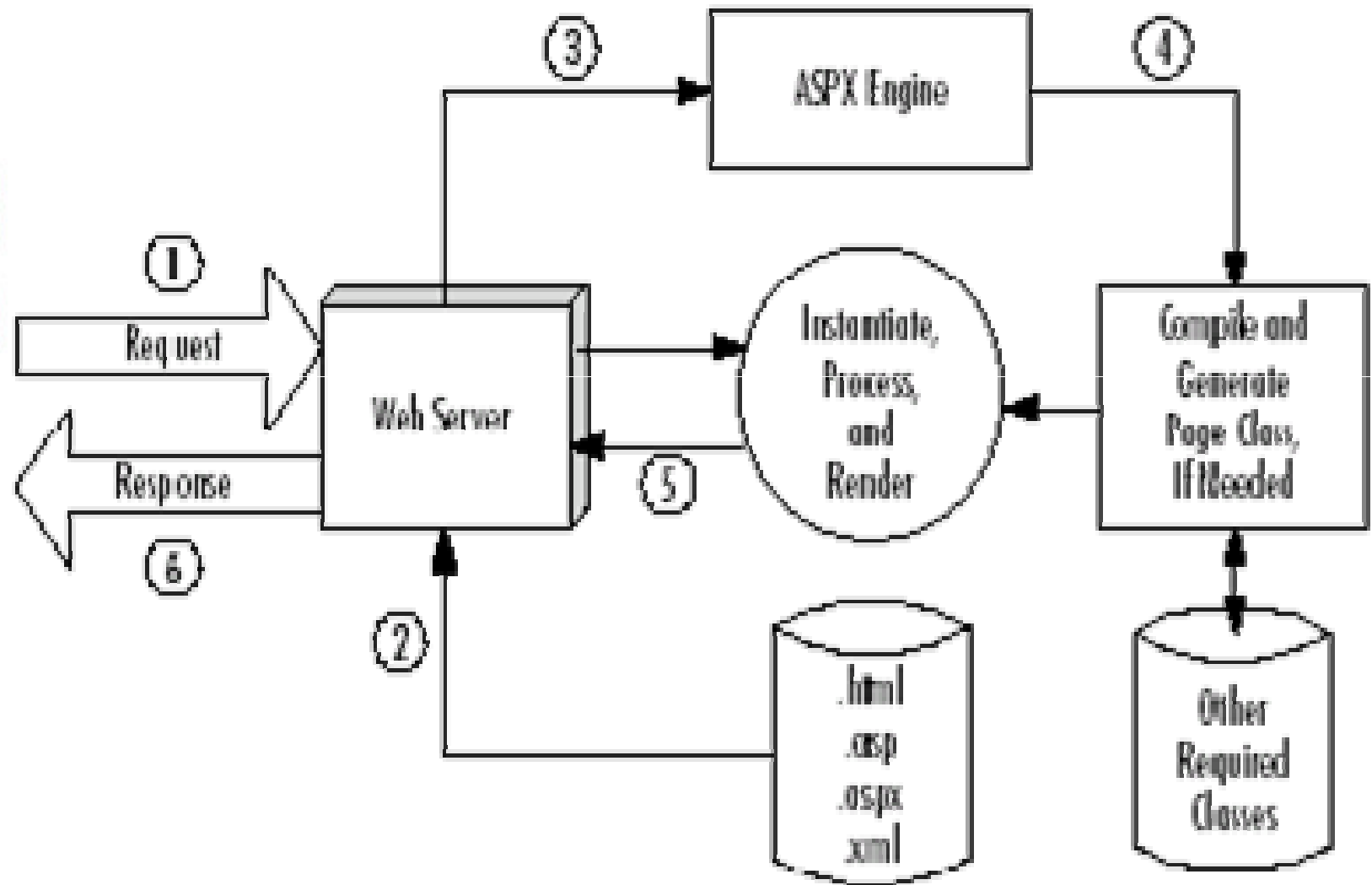
ASP.NET Features

- **Simplified**
- **Better Performance**
- **Strong typed Language**
- **Event Driven Model**
- **Separation of Code & Design**
- **Security**
- **Easier Deployment & Configuration**
- **Debugging**
- **Better State Management**

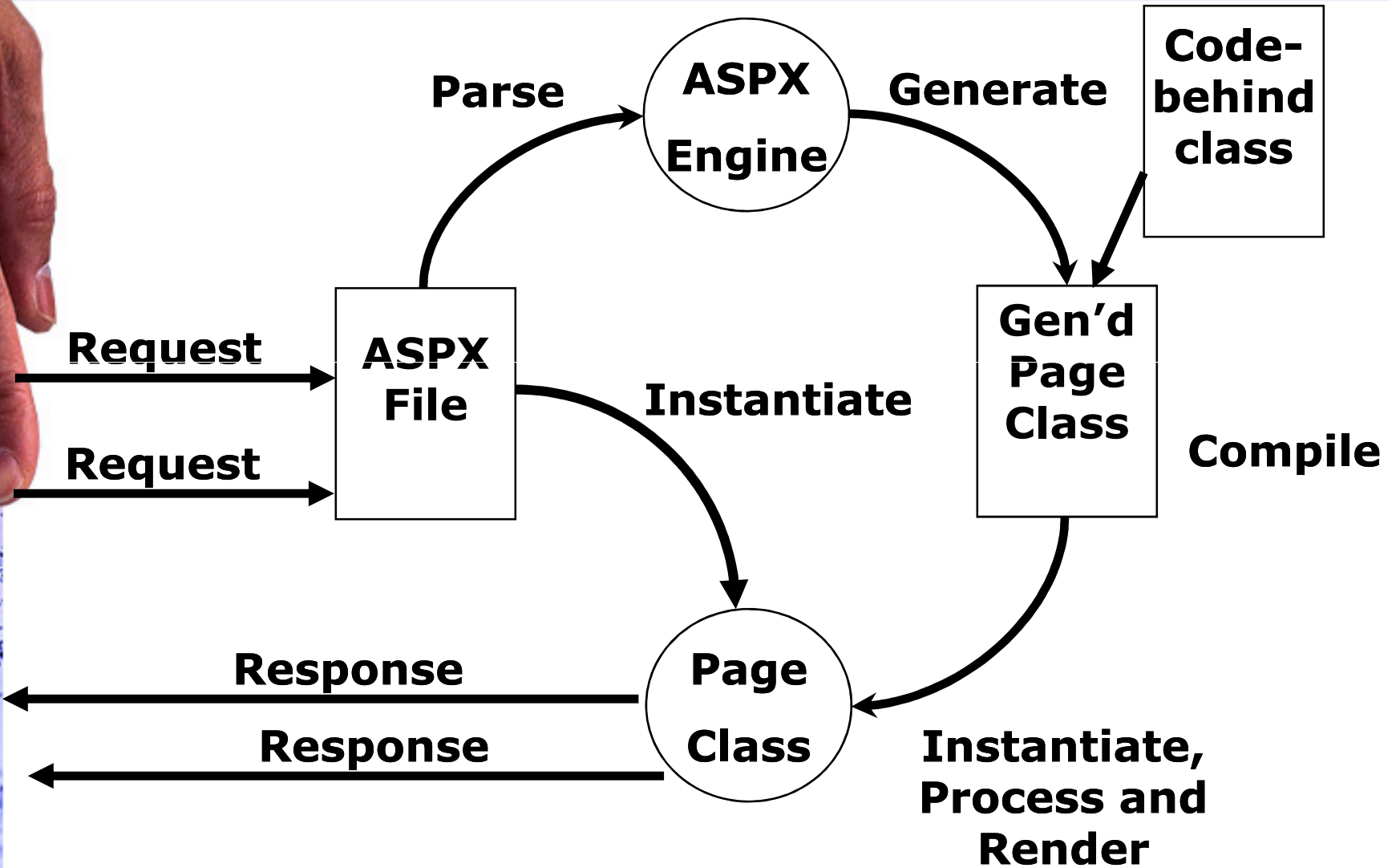
Web Forms

- **Compiled**
- **Support for VB Language**
- **Built-In Designers**
- **Server-Side Controls**
- **Intelligent Forms**

ASP.Net Execution Scenario

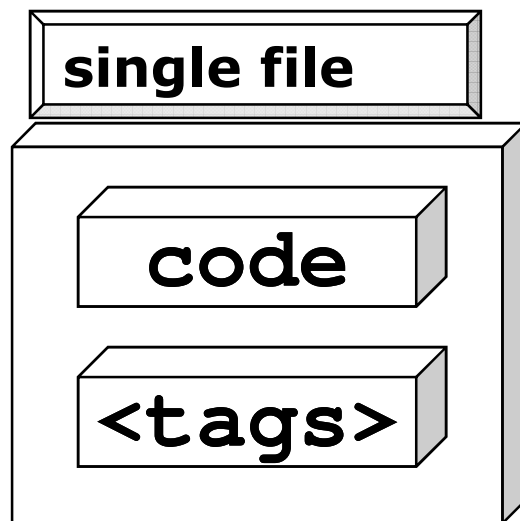


Runtime Compilation

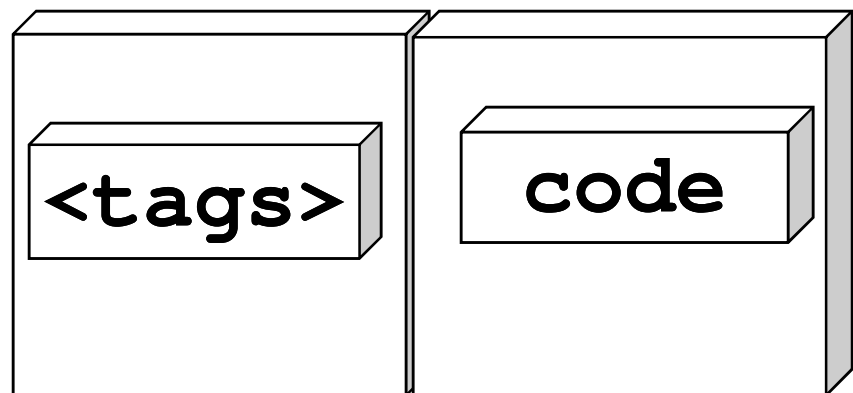
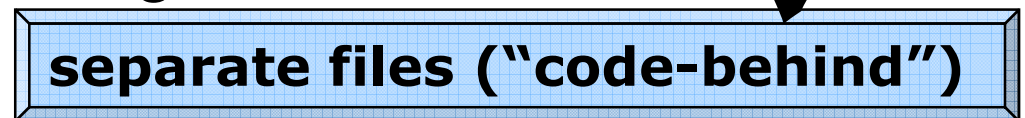


ASP.NET Pages: Part Declarative, Part Code

- Combines declarative tags (HTML, ASPX directives, server controls tags, and static text) with code in a single file or in separate files.
- Unlike ASP, good separation provided between code and tags



Form1.aspx



Form1.aspx Form1.aspx.vb