FEATURE OF USED TOOLS

* Visual studio
* Common use of visual studio

Microsoft visual studio is an IDE (Integrated Development Environment). It is normally used for development of windows application, web application, web API, windows forms, web forms as well as mobile applications.

Visual Web Developer can use the Visual Studio Web Designer to graphically design web page layouts.

We can also create a database using SQL server database

Of visual studio.

Here, we are going to use visual studio for developing web application(website) of virtual stock market.

* Characteristics of visual studio

Visual studio provides different compiler for different types of

programming languages.

It supports languages like c#, C++, JavaScript etc.

It gives both designing and programming interface to the users.

Microsoft visual studio supports server explorer, XML and XSLTS editing in it.

In visual studio web development part, you can add many items like SQL server database, web form, Content placeholder and many more in your project.

Here we mainly use web forms as we are designing web-based application.

* Features

Visual studio is fully featured IDE for developing various types of web-based and windows-based applications.

It is also useful for user to navigating through the application’s different pages.

It is used to create an environment for developers and provide all-inclusive features for software development and testing.

* Asp.Net
* Common use of Asp.NET

Asp stands for Active Server Package and .NET is created by Microsoft.

It is very useful for user because it allows to create both dynamic and user-friendly website.

Mainly it uses C# and VB languages.

Asp.net is executed on the server side with its output sent to the user’s web browser, thus allowing server to generate dynamic web pages based on the action of the user.

Asp.net can be embedded with CSS and JavaScript for designing purpose.

* Characteristics of Asp.NET
  + - 1. Directives
      2. User Controls
      3. Custom Controls
      4. Rendering techniques
      5. State management
      6. Application
      7. Session state
      8. Performance
* Features
  + - 1. Cross-platform container support
      2. High performance
      3. interoperability.
      4. Common Language Runtime engine (CLR)
      5. Language independence.
      6. Base Class Library.
      7. Simplified deployment.
      8. Security.
      9. Portability.
* C#
* Common use of C#

C# can also be used to develop web applications and has become increasingly popular for mobile development too.

The major benefit of C# language is its strong memory backup.

C# programming language contains high memory backup so that memory leakage problem and other such types of problem is not occurring as it happens in the case of C++ language.

* Characteristics of C#

1. It is modern general-purpose programming language
2. It is Object Oriented Programming language
3. It is Component Oriented programming language
4. Easy to learn
5. Structured language
6. It produces efficient programs
7. It has interoperability functionality
8. It is part of .NET frame-Work

* Features

1. Simple
2. Modern programming language
3. Object oriented
4. Type safe
5. Interoperability
6. Scalable and Updateable
7. Component oriented
8. Structured programming language
9. Rich Library