

Visual Studio

Solution

- A Group of one or more Projects represented as one Unit
- It is saved with extension .sln
- When U open the .sln file, all the projects associated with the Solution will be opened at a time.
- Solution Explorer
- It is similar to Windows Explorer, in this case it allows to explore the projects and files of the selected Solution.
- It is a Window that is part of the VS IDE that displays the solution and its projects in a TREE-VIEW Manner.
- It can be viewed using View Menu and select Solution Explorer.

Project

- A group of files when compiled together will generate the Assembly.
- All the files inside the Project will be compiled to generate the Assembly.
- In this case if any of the files have compilation Errors, they fail to build the project and the Assembly will not be created.
- If the project Type is Application, it generates EXE Assembly
- If the Project Time is Library, Web Application it will generate DLL Assembly.
- Projects are saved with extension suffixed as *.proj.
- If its a VB Project it will be vbproj and if its a C# Project, it will be csproj

Files

- Files in VS should always be a part of the Project which internally must be a part of the Solution
- C# Files are saved as .cs Files.
- It is not a practice to open the files directly from the Windows File Manager, instead open the Project File(.csproj) or the Soln File(.sln).

C# Projects

- Namespaces
 - Conceptual grouping of classes to avoid Naming conflicts
 - Usually the Project name will be the default namespace.
 - U can rename the namespace name with other based on the conceptual grouping U wish to group.
- Classes
 - Object Oriented User defined Data types
- Delegates
 - Functional Reference Types
- Interfaces
 - Similar to classes but with no functional Implementations
- Config files
 - XML based Content to provide Settings for the Application/Project.
 - There will be only one Confile File per Project.
 - Windows Apps will have App.Config
 - Web Apps will have Web.Config