



FREE eBook

LEARNING

visual-studio-2010

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#visual-

studio-2010

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About

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Chapter 1: Getting started with visual-studio-2010

Remarks

This section provides an overview of what visual-studio-2010 is, and why a developer might want to use it.

It should also mention any large subjects within visual-studio-2010, and link out to the related topics. Since the Documentation for visual-studio-2010 is new, you may need to create initial versions of those related topics.

Versions

Version	Release Date
10.0	2010-04-12
10.0 SP1	2010-03-03

Examples

Installation or Setup

In order to Install Visual Studio 2010, First we need to download Visual Studio. We can find Visual Studio Older Versions at [Visual Studio Official Website](#)

- Navigate to above mentioned official site and click the **download** button
- Log in with your Visual Studio Subscription account when prompted.
- If you don't have a Visual Studio Subscription, you can create one for free by clicking on "Create a new Microsoft account" on the login page.

Once downloaded, double click and **install** executable file.



Install Microsoft Visual Studio 2010

Install Microsoft Visual Studio 2010 features and required components.



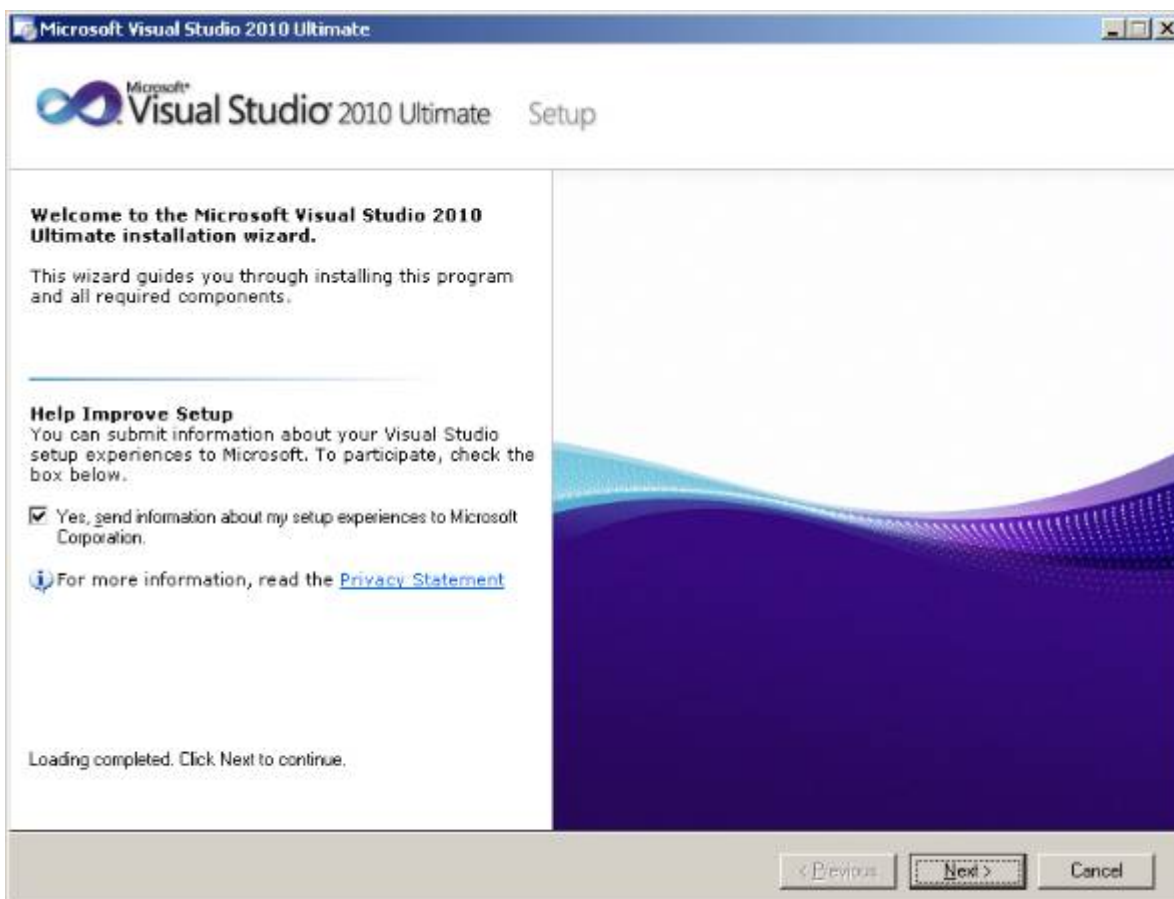
Check for Service Releases

Check for the latest Service Releases to ensure optimal functionality of Microsoft Visual Studio 2010.

View ReadMe


Exit


Further, Check the box if you want to send your experience to Microsoft [not mandatory to check] :



Next, Accept license terms and click next :

Microsoft Visual Studio 2010 Ultimate Setup - Start Page

 **Visual Studio** 2010 Ultimate Setup

 **Please exit all applications before continuing with the installation.**

i Setup has detected that the following required components are already installed:

- Microsoft Application Error Reporting

i Setup will install the following components:

- VC 9.0 Runtime (x86)
- VC 10.0 Runtime (x86)
- Microsoft .NET Framework 4
- Microsoft Visual Studio 2010 Ultimate

To install, you must accept the license terms and enter a valid 25-character product key, where prompted.

Be sure to carefully read and understand all the rights and restrictions described in the license terms. You must accept the license terms before you can install the software.

MICROSOFT SOFTWARE LICENSE TERMS
MICROSOFT VISUAL STUDIO 2010 ULTIMATE AND TRIAL EDITION

These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft updates,

Print...

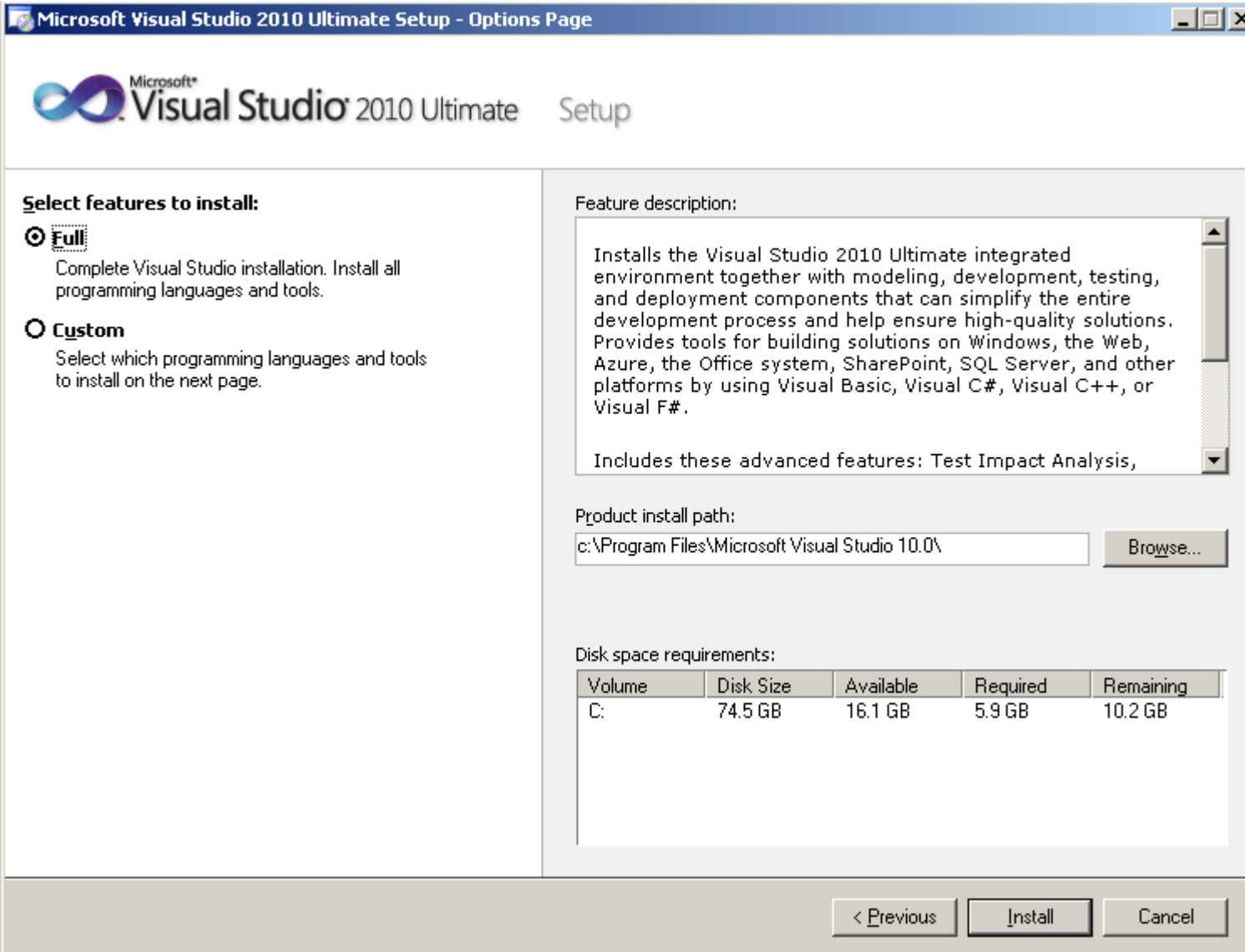
Press the Page Down key to see more text.

I have read and accept the license terms.

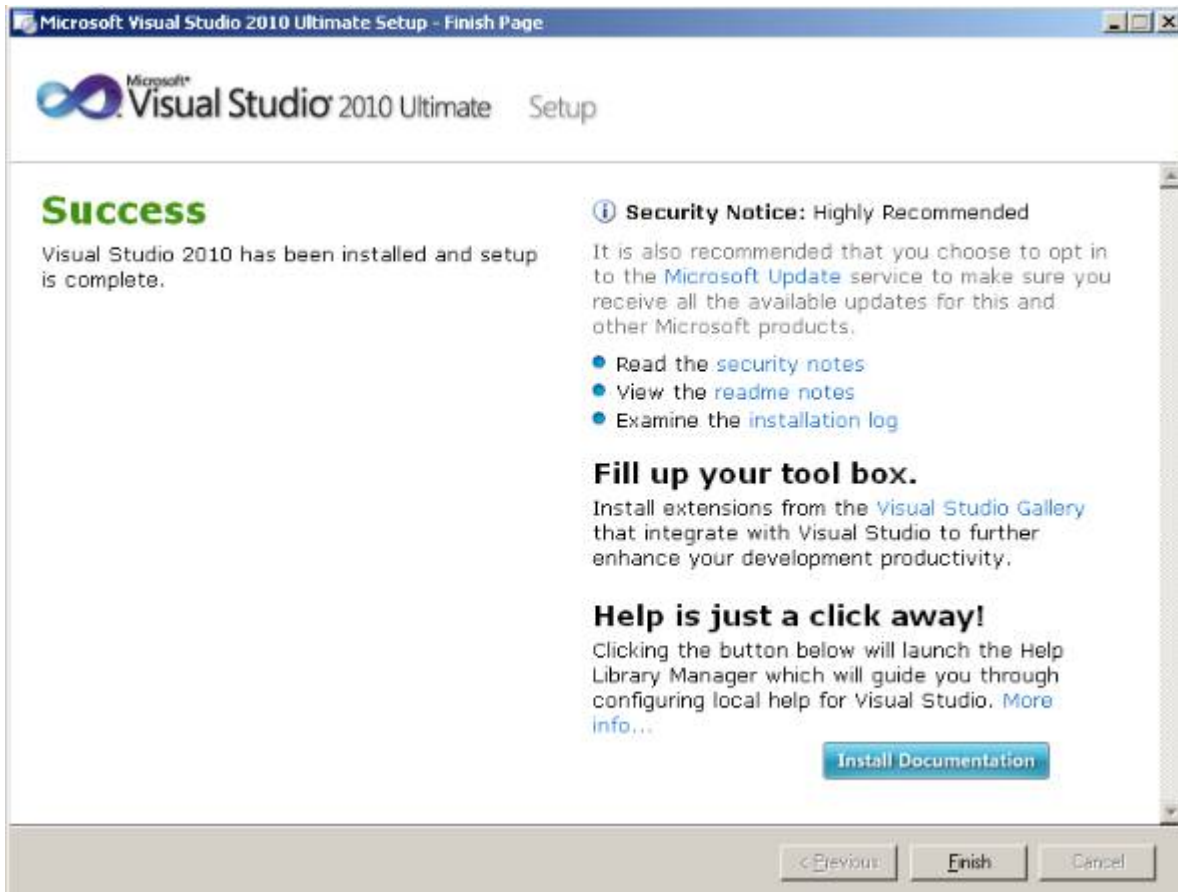
I do not accept the license terms.

< Previous Next > Cancel

Select **full** if you want to install all languages and tools available in Visual Studio , else you can customise if select custom option:



Next, wait till installation completes. Finally we have success message:



Visual Studio 2010 Versions and Features

Visual Studio 2010 Feature Comparison

	Visual Studio 2010			Visual Studio Test Professional 2010
	Ultimate	Premium	Professional	
Development Platform Support				
Windows, Web and Cloud Development	•	•	•	
Office and SharePoint Development	•	•	•	
Architecture and Modeling				
Architecture Explorer, Layer Diagram and Dependency Validation	•			
Read-only diagrams (UML, Layer, DGML Graphs)	•	•		
Database Development				
Deployment, Change Management, Test Data Generation, Unit Testing	•	•		
Debugging, Diagnostics and Testing				
IntelliTrace™ (Historical Debugging), Web Performance Testing, Load Testing ¹	•			
Static Code Analysis, Code Metrics, Profiling, Code Coverage, Test Impact Analysis, Coded UI Test	•	•		
Unit Testing	•	•	•	
Test and Lab Management				
Microsoft® Test Manager, Test Case Management, Manual Test Execution, Fast Forward for Manual Testing	•			•
Virtual environment setup & tear down, Provision environment from template, Checkpoint environment ²	•			•
Team Foundation Server				
Version Control, Work Item Tracking, Build Automation, Team Portal, Reporting & Business Intelligence, Agile Planning Workbook, Team Explorer	•	•	•	•
MSDN Subscription benefits				
Priority support in MSDN Forums, MSDN Magazine, Flash newsletter, Online Concierge	•	•	•	•
Technical support incidents	4	4	2	2
Microsoft® e-learning collections (typically 10 courses or 20 hours)	2	2	1	1
Windows® Azure™ Platform	•+	•+	•+	
MSDN Subscription - Software for Production Use				
Microsoft® Visual Studio® Team Foundation Server 2010 plus one CAL	•	•	•	•
Microsoft® Office Professional Plus 2010, Project Professional 2010, Visio® Premium 2010, Expression Studio 3	•	•		
MSDN Subscription - Software for Development and Test Use³				
Windows (client and server operating systems), Microsoft® SQL Server®, Toolkits, Software Development Kits, Driver Development Kits	•	•	•	•
Microsoft® Office. Dvnamics®. All other Servers. Windows Embedded	•	•		

Read [Getting started with visual-studio-2010](https://riptutorial.com/visual-studio-2010/topic/10820/getting-started-with-visual-studio-2010) online: <https://riptutorial.com/visual-studio-2010/topic/10820/getting-started-with-visual-studio-2010>

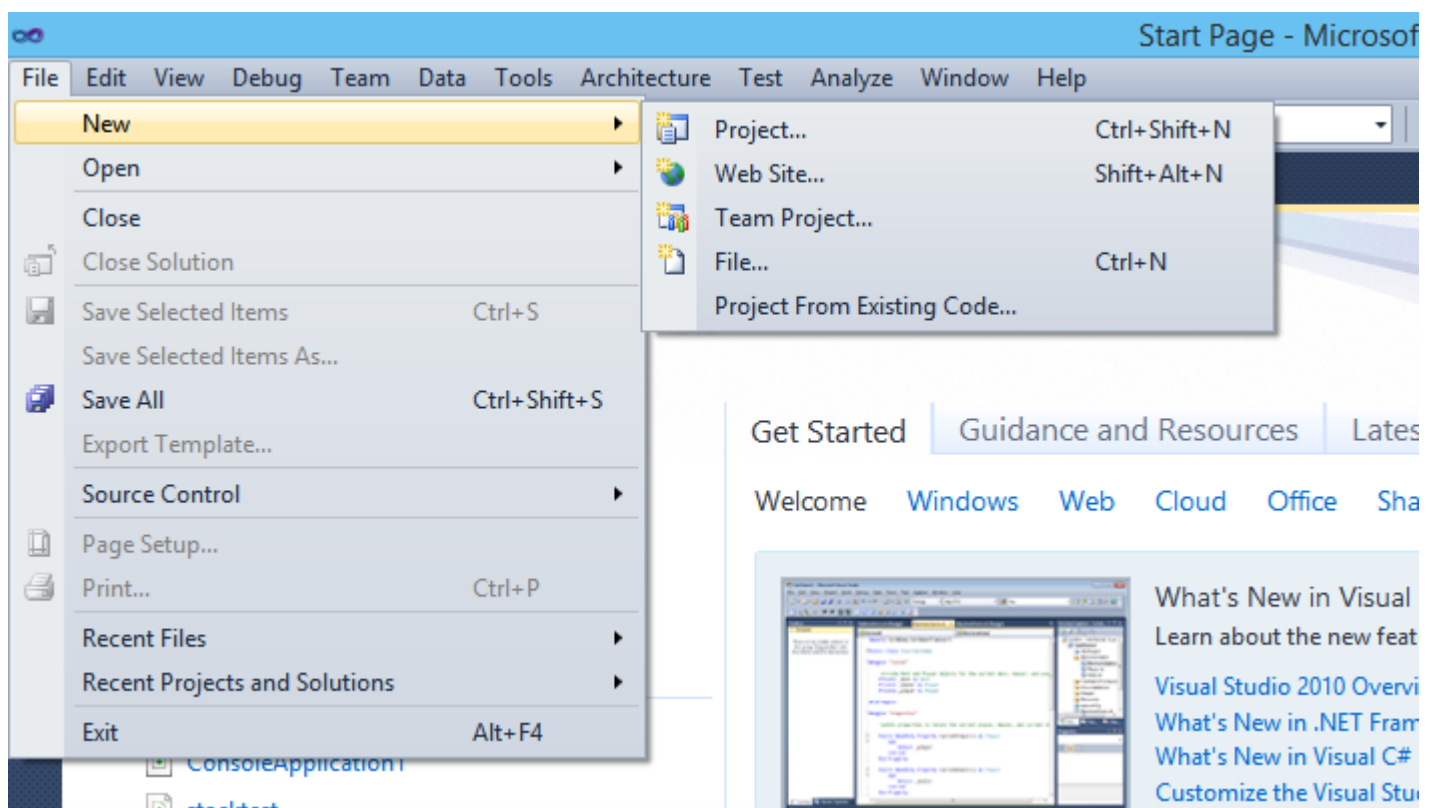
Chapter 2: Starting a New Project in Visual Studio 2010

Examples

Starting a New Project in Visual Studio 2010

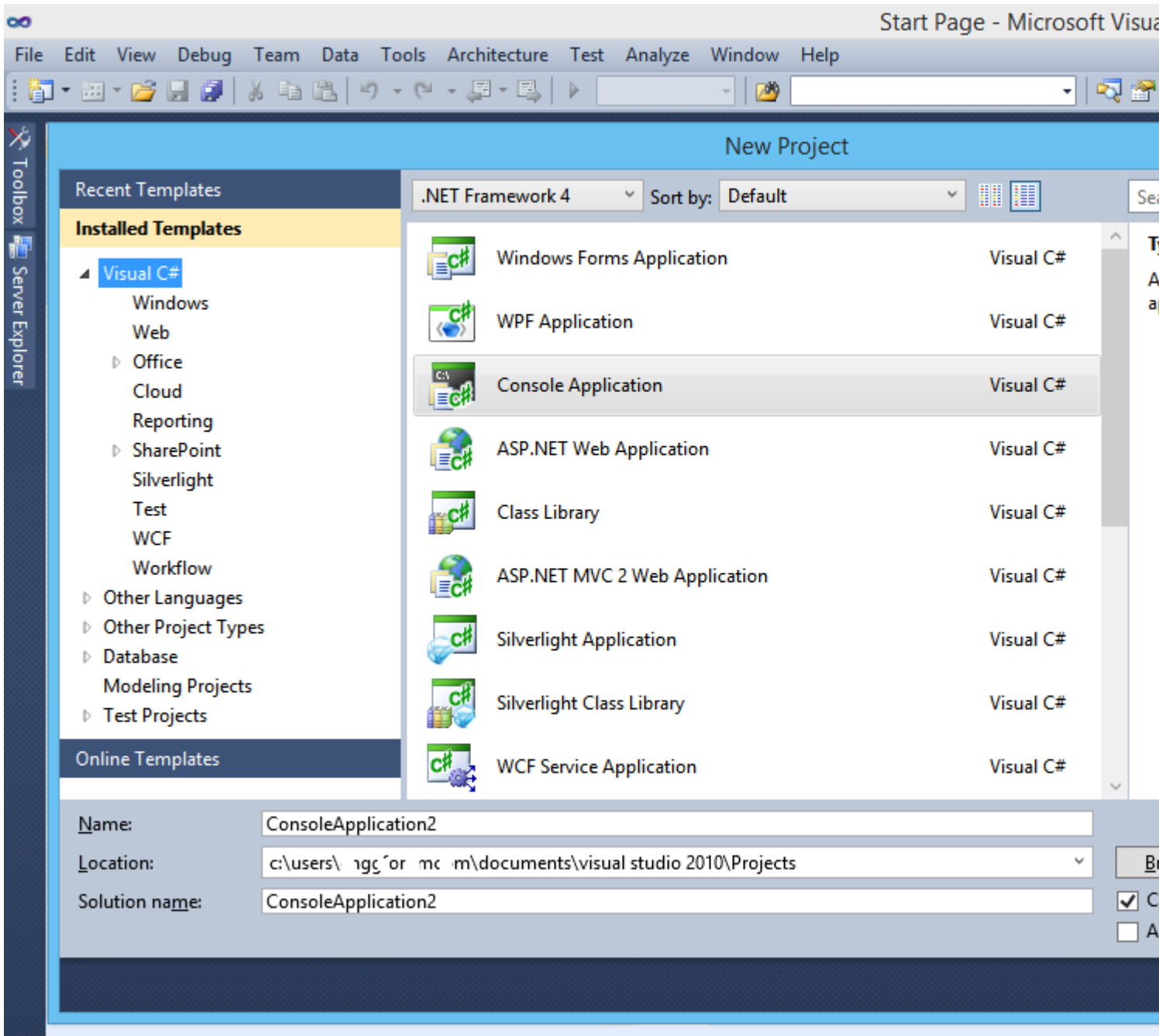
To start a new project in Visual Studio 2010:

- Click File Menu
- Select Project



Next, we have project types and available languages listed :

- Select Languages available from left most panel [Below we have languages like Visual C#, VB, F# etc]
- Once we select languages from installed templates, we have project/application types listed.
- Select project types, give name to your project and click ok.



Some common examples of Project types :

Windows Forms Applications :

Project for creating application with Windows Forms User interface.

WPF Applications :

Windows Presentation Foundation Client application.

Console Applications :

Command line applications. No Graphical User Interface (GUI).

ASP.NET:

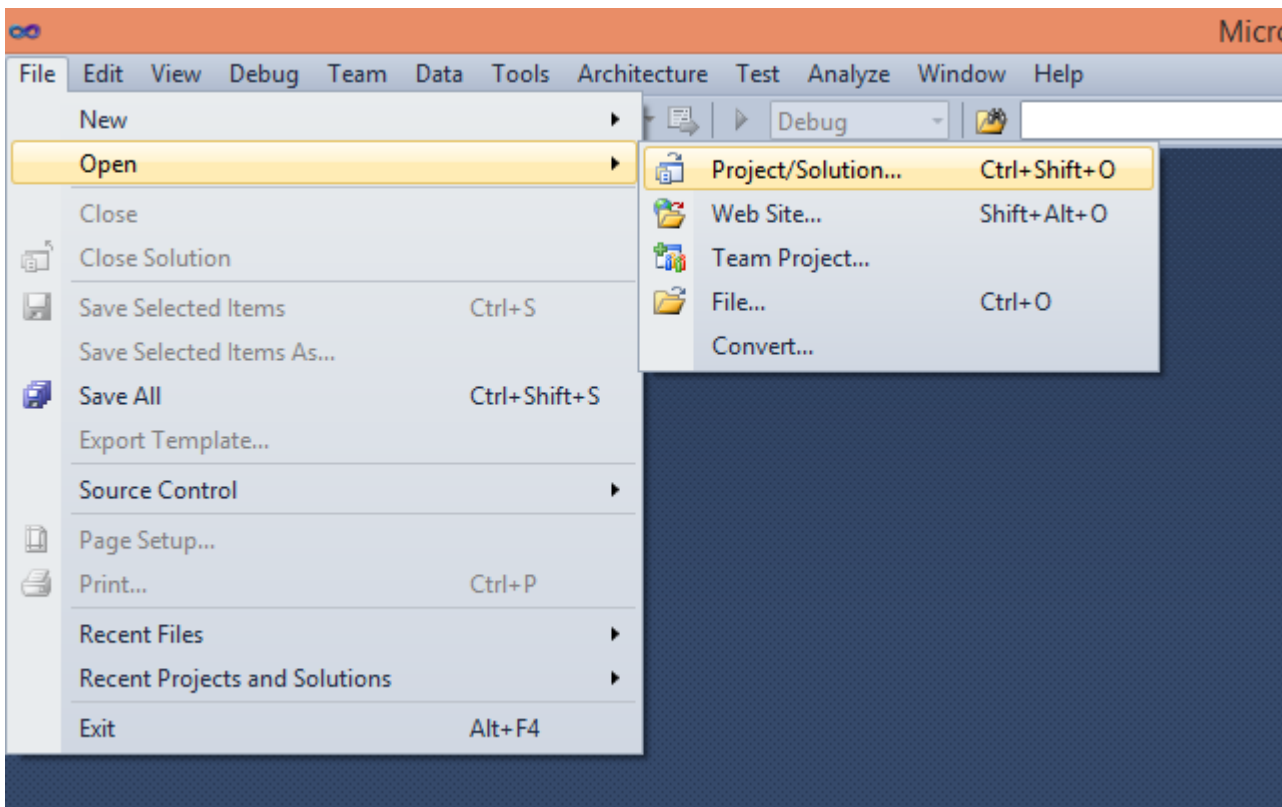
Web user interface applications, ie. *web applications*

Silverlight Applications:

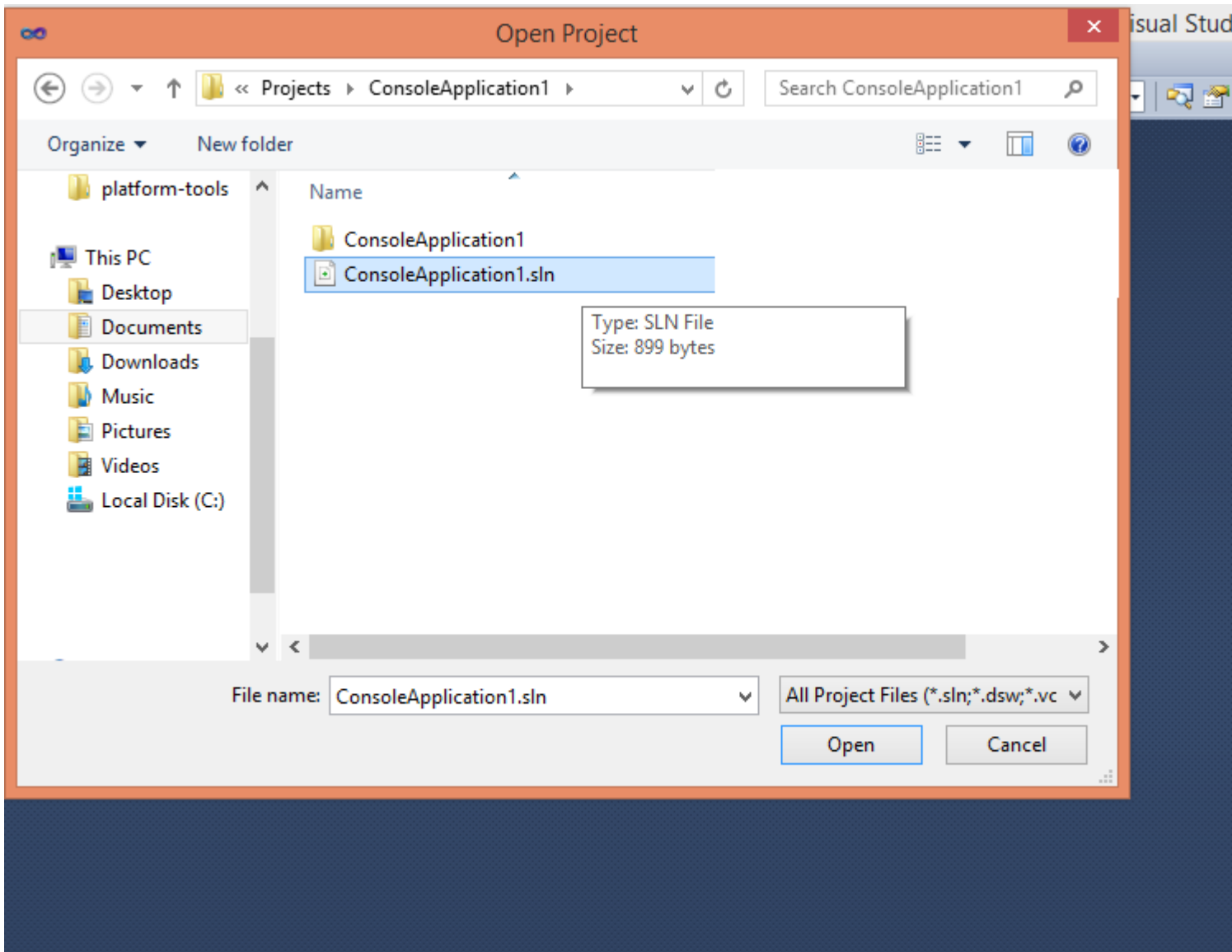
Rich internet applications using Silverlight

Opening an Existing Project

- Open Visual Studio and select **File Menu -> Open -> Project**



- Next, **select Solution File** from project folder



- Project files will be shown in **Solution Explorer**.

Microsoft Visual Studio 2010 Microsoft® Visual C#® Default Key Bindings

File Commands

- **File.NewProject** :

CTRL + SHIFT + N

Displays the New Project dialog box.

- **File.OpenProject**:

CTRL + SHIFT + O

Displays the Open Project dialog box, where existing projects can be added to the solution.

- **Project.AddClass**:

SHIFT + ALT + C

Displays the Add New Item dialog box and selects Class template as default.

- **Project.AddExistingItem :**

SHIFT + ALT + A

Displays the Add Existing Item dialog box, where existing files can be added to the current project.

- **Project.AddNewItem:**

CTRL + SHIFT + A

Displays the Add New Item dialog box, where a new file can be added to the current project.

Editing

- **Edit.HideSelection:**

CTRL + M , CTRL + H

Collapses current selection to an outlining region.

- **Edit.ToggleAllOutlining:**

CTRL + M , L

Toggles all previously collapsed outlining regions between collapsed and expanded states.

- **Edit.ToggleOutliningExpansion:**

CTRL + M , M

Toggles the currently selected collapsed region between the collapsed and expanded state.

- **Edit.StopOutlining:**

CTRL + M , P

Removes all outlining information from the whole document.

- **Edit.CommentSelection:**

CTRL + K , C Or CTRL + E , C

Inserts // at the beginning of the current line or every line of the current selection.

Edit.UncommentSelection CTRL + K, U or CTRL + E, U Removes the // at the beginning of the current line or every line of the current selection.

- **Edit.FormatDocument:**

CTRL + K, D OR CTRL + E, D

Formats the current document according to the indentation and code formatting settings specified on the Formatting pane under : Tools | Options | Text Editor | C#.

- **Edit.FormatSelection:**

CTRL + K, F OR CTRL + E, F

Formats the current selection according to the indentation and code formatting settings specified on the Formatting pane under Tools | Options | Text Editor | C#.

- **Edit.InsertSnippet:**

CTRL + K, X

Displays the Code Snippet Picker. The selected code snippet will be inserted at the caret position.

Edit.SurroundWith:

CTRL + K, S

Displays the Code Snippet Picker. The selected code snippet will be wrapped around the selected text.

- **Edit.InvokeSnippetFromShortcut:**

TAB

Inserts the expanded code snippet from the shortcut name.

- **Edit.CycleClipboardRing:**

CTRL + SHIFT + V

Pastes text from the Clipboard ring to the caret location in the file. Subsequent use of the shortcut key iterates through the items in the Clipboard ring.

- **Edit.Replace :**

CTRL + H

Displays the replace options in the Quick Replace tab of the Find and Replace dialog box.

- **Edit.ReplaceInFiles:**

CTRL + SHIFT + H

Displays the replace options on the Replace in Files tab of the Find and Replace dialog box.

Window Commands :

- **View.ClassView:**

CTRL + W, C

Displays the Class View window.

- **View.CodeDefinitionWindow:**

CTRL + W, D

Displays the Code Definition window.

- **View.ErrorList:**

CTRL + W, E

Displays the Error List window.

- **View.ObjectBrowser:**

CTRL + W, J

Displays the Object Browser.

- **View.Output:**

CTRL + W, O

Displays the Output window, where status messages can be viewed at run time.

- **View.PropertiesWindow:**

CTRL + W, P

Displays the Properties window, which lists the design-time properties and events for the currently selected item.

- **View.SolutionExplorer:**

CTRL + W, S

Displays Solution Explorer, which lists the projects and files in the current solution.

- **View.TaskList:**

CTRL

+ W, T

Displays the Task List window, which displays custom tasks, comments, shortcuts, warnings, and error messages.

- **View.Toolbox:**

CTRL + W, X

Displays the Toolbox, which contains controls that can be included or used with your code.

- **View.ServerExplorer:**

CTRL + W, L

Displays Server Explorer, which lets you view and manipulate database servers, event logs, message queues, Web services, and other operating system services.

- **Window.CloseToolWindow:**

SHIFT + ESC

Closes the current tool window.

- **Data.ShowDataSources:**

SHIFT + ALT + D

Displays the Data Sources window.

- **Window.CloseDocumentWindow:**

CTRL + F4

Closes the current tab

Debugging Command:

- **Debug.Autos**

CTRL+D, A

Displays the Autos window, which displays variables used in the current line of code and the preceding line of code.

- **Debug.CallStack:**

CTRL+D, C

Displays the Call Stack window, which displays a list of all active methods or stack frames for the current thread of execution.

- **Debug.Immediate:**

CTRL+D, I

Displays the Immediate window, where expressions can be evaluated.

- **Debug.Locals:**

CTRL+D, L

Displays the Locals window, which displays the local variables and their values for each method in the current stack frame.

- **Debug.QuickWatch:**

CTRL+D, Q

Displays the QuickWatch dialog box that has the current value of the selected expression.

- **Debug.Start:**

F5

Launches the application under the debugger based on the settings from the startup project. When in Break mode, invoking this command will run the application until the next breakpoint.

- **Debug.StartWithoutDebugging:**

CTRL+F5

Launches the application without invoking the debugger.

- **Debug.StepInto:**

F11

Executes code one statement at a time, following execution into method calls.

- **Debug.StepIntoSpecific:**

SHIFT+ALT+F11

Prompts to select which sub expression to step into, regardless of the tools options setting for skipping properties and operators.

- **Debug.StepOut:**

SHIFT+F11

Executes the remaining lines of a method in which the current execution point is located.

- **Debug.StepOver:**

F10

Executes the next line of code, but does not follow execution through any method calls.

- **Debug.StopDebugging:**

SHIFT+F5

Stops running the current application under the debugger.

- **Debug.ToggleBreakpoint:**

F9

Sets or removes a breakpoint at the current line.

- **Debug.Watch :**

CTRL+D, W

Displays the Watch window, which displays the values of selected variables or watch expressions.

- **Debug.EnableBreakpoint:**

CTRL+F9

Toggles the breakpoint between disabled and enabled.

- **Test.RunAllTestsInSolution:**

CTRL+R, A

Runs all of the unit tests in the solution.

Build Commands:

- **Build.BuildSolution:**

F6 OR CTRL+SHIFT+B

Builds all the projects in the solution.

- **Build.BuildSelection:**

SHIFT+F6

Builds the selected project and its dependencies.

Read [Starting a New Project in Visual Studio 2010](https://riptutorial.com/visual-studio-2010/topic/10824/starting-a-new-project-in-visual-studio-2010) online: <https://riptutorial.com/visual-studio-2010/topic/10824/starting-a-new-project-in-visual-studio-2010>

Credits

S. No	Chapters	Contributors
1	Getting started with visual-studio-2010	Community , tharif , TriskaJMJM
2	Starting a New Project in Visual Studio 2010	tharif