# **Documentation for VB.NET Console Application**

#### Introduction

This document provides instructions for creating a simple VB.NET console application that displays the message "Hello, World!" and the current time to the user. The application is built using Visual Studio, a popular Integrated Development Environment (IDE) for .NET development.

# **Prerequisites**

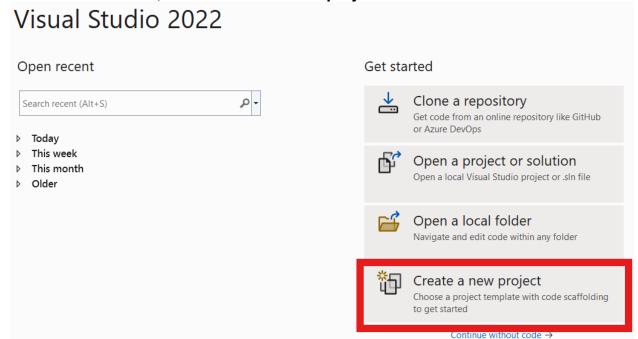
Visual Studio: Ensure that Visual Studio is installed on your computer. You can
download it from the official Visual Studio website.

# **Steps to Create the Application**

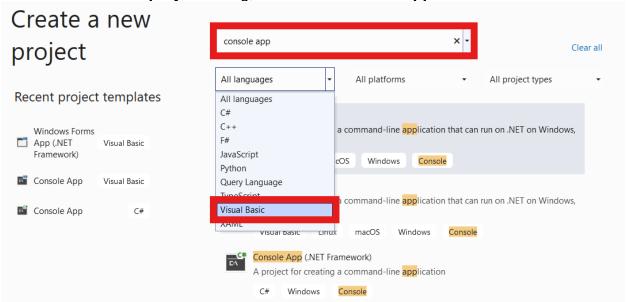
- 1. Open Visual Studio
  - 1. Launch Visual Studio.

#### 2. Create a New Project

a. In the Start Window, click on Create a new project.



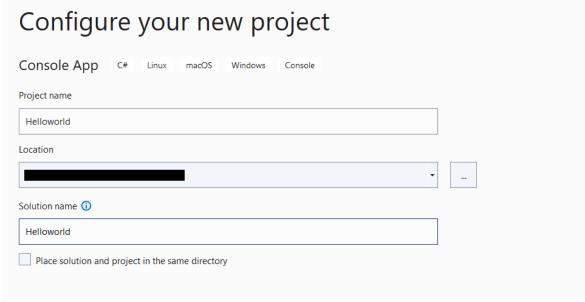
b. In the Create a new project dialog, search for Console App.



c. Select **Console App** (ensure it's in VB.NET) and click **Next**.

# 3. Configure Your Project

- a. In the Configure your new project dialog:
  - o Enter a **Project name** (e.g., HelloWorldApp).
  - Choose a Location where the project will be saved.
  - o Optionally, you can provide a **Solution name**.



b. Click Create.

#### 4. Write the Code

- a. Visual Studio will create a new project with a default Module1.vb file (or Program.vb in some cases).
- b. Locate the Module1.vb file in the Solution Explorer. It should open automatically.
- c. Replace the existing code with the following code:

```
Module Module1
Sub Main()
' Display a message to the console
Console.WriteLine("Hello, World!")

' Display the current time
Console.WriteLine("Current Time: " & DateTime.Now.ToString("hh:mm:ss tt"))
End Sub
End Module
```

## d. Explanation:

- o Module Module1: Defines a module named Module1.
- Sub Main(): The entry point of the application. The execution starts here.
- o Console. WriteLine ("Hello, World!"): Prints "Hello, World!" to the console.
- o DateTime.Now: Retrieves the current date and time.
- o ToString("hh:mm:ss tt")): Displays the current time in the format "hh:mm AM/PM".

### 5. Run the Application

- a. Click on the **Start** button (green arrow) or press F5 to build and run the application.
- The console window should open displaying the message "Hello, World!".
- c. Press any key to close the console window.

# Conclusion

Congratulations! You've successfully created and run a "Hello, World!" console application in VB.NET that also displays the current time. This is the foundation of learning VB.NET programming, and you can now explore more advanced concepts and features.