

# 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](https://visualstudio.microsoft.com/).

## 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**.

## Visual Studio 2022

### Open recent

- Today
- This week
- This month
- Older

### Get started



#### Clone a repository

Get code from an online repository like GitHub or Azure DevOps



#### Open a project or solution

Open a local Visual Studio project or .sln file



#### Open a local folder

Navigate and edit code within any folder



#### Create a new project

Choose a project template with code scaffolding to get started

[Continue without code](#) →

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

## Create a new project

### Recent project templates

- Windows Forms App (.NET Framework) Visual Basic
- Console App Visual Basic
- Console App C#

console app

Clear all

All languages

All platforms

All project types

Visual Basic

Console App (.NET Framework)

A project for creating a command-line application

C# Windows Console

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

## Configure your new project

Console App C# Linux macOS Windows Console

Project name

HelloWorld

Location

[Redacted location path]

Solution name ⓘ

HelloWorld

☐ Place solution and project in the same directory

- b. Click **Create**.

## 4. Write the Code

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

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

## 5. Run the Application

- 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!".
- 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.