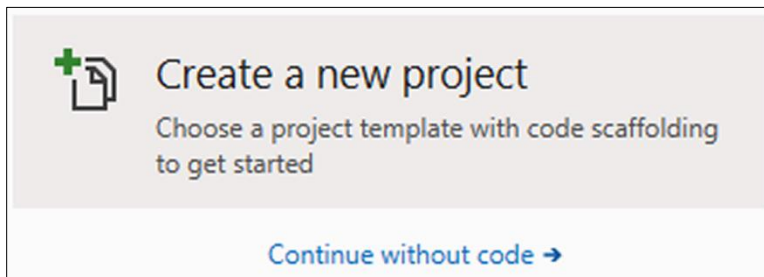# USING VISUAL STUDIO 2019

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Visual Studio 2019 works, in most cases, in much the same way as earlier editions of Visual Studio. However, the *New Project* dialog has been changed. This is a brief guide to explain how to create a new project in Visual Studio 2019.

Create a New Project At Startup

If you want to create a new project as soon as you start Visual Studio 2019…
- Start Visual Studio.
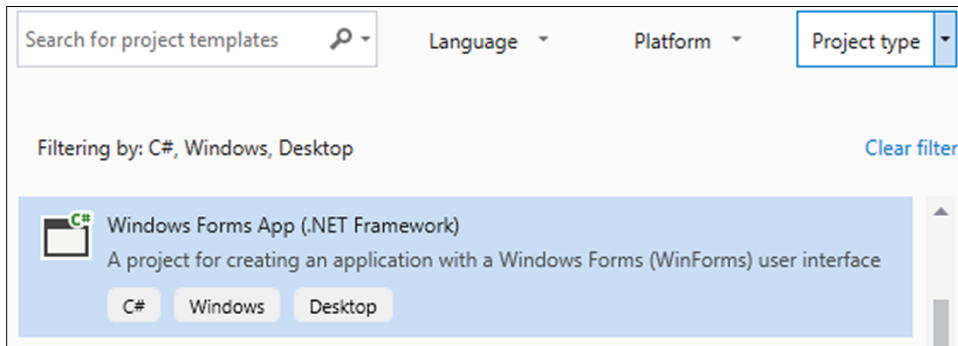- In the Startup screen, select *Create A New Project*

If you *don't* want to create a new project at this stage, you can click '*Continue without code*'. You can start a new project later on as explained below.

Create a New C# Project From Within VS 2019

If you are programming **C#**: To start a new project from within Visual Studio…
- Select File, New, Project
- From the *Language* dropdown list, select *C#*
- From the *Platform* dropdown list, select *Windows*
- From the *Project Type* dropdown list, select *Desktop*
- From the project list select *Windows Forms App*
- Click *Next*

- Name the project, and browse to a location on disk
- Click *Create*

Create a New C Project From Within VS 2019

If you are programming **C**: To start a new project from within Visual Studio…
- Select File, New, Project
- From the *Language* dropdown list, select *C++*
- From the *Platform* dropdown list, select *Windows*
- From the *Project Type* dropdown list, select *Empty Project*.
- Click *Next*
- Name the project, and browse to a location on disk
- Click *Create*

Visual Studio now creates a new project with separate folders for Header Files, Resource Files and Source Files.

- Right-click the *Source Files* folder.
- From the popup menu, select *Add | New Item*
- Select Code | C++ (.cpp) file.
- In the *Name* field, change the file name to: **main.c**
- Click *Add*.

Edit the contents of this source file to the following:

```
#include <stdio.h>

int main(){
    printf("Hello world\n");
    return 0;
}
```

Shortcut Project Creation

Alternatively, you can select a project type more quickly by using the search box on the *Create New Project* dialog. For example, with a C# Windows Forms project, you could search for **Winforms**. For a C project, you could search for **C++**:

Create a new project   winforms

Once you've created a new project, the procedures for adding and editing files, compiling and debugging are the same in Visual 2019 as in other versions of Visual Studio (as explained throughout this course). I hope that helps.

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Best wishes
Huw
(*Bitwise Courses Instructor*)