

Eclipse CPP Project Setup

Last updated 1/11/19

Eclipse CPP Project Setup

- Eclipse Elements
 - Workspace
 - This is where Eclipse stores all of your project files, preferences, ...
 - You only need one workspace for this class
 - Create a directory in your file system (not under the eclipse install directories)
 - Project
 - This is the collection of files and settings to create an executable program
 - You can make a new 'project' for every project you create
 - Everything in your project directory (that is not explicitly excluded) will be included when building your executable code

Eclipse CPP Project Setup

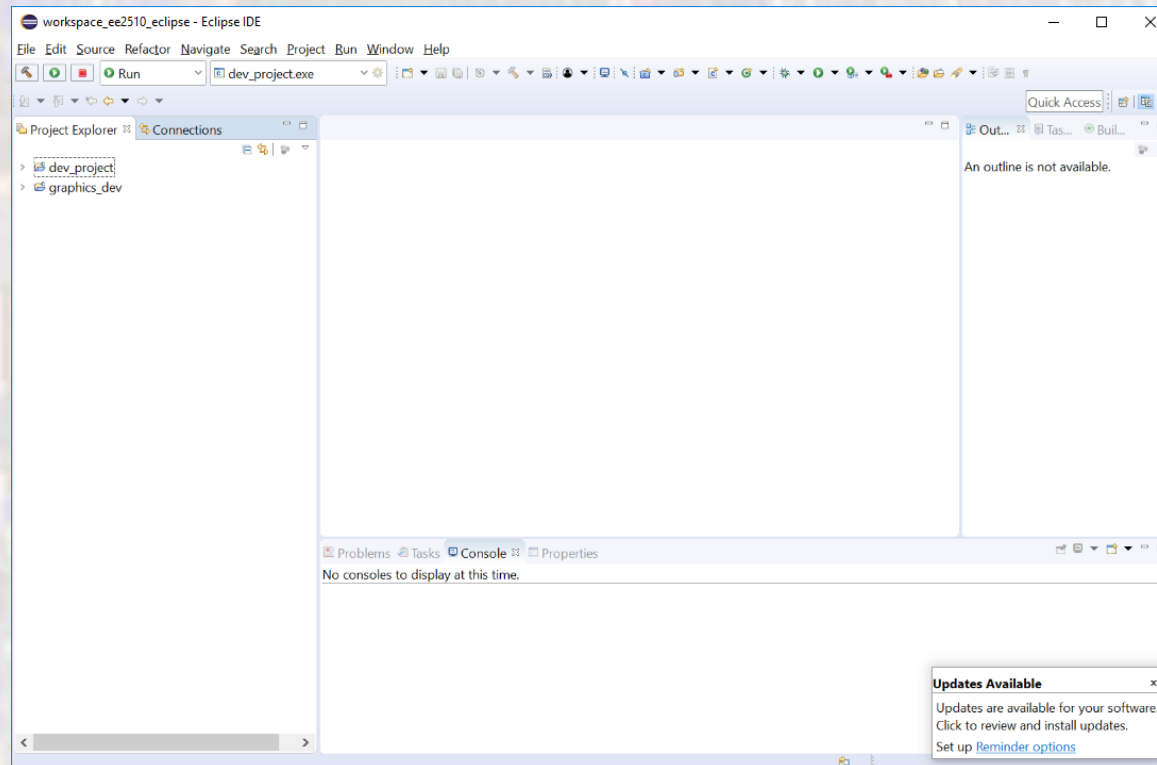
- Eclipse Elements
 - Xxx.cpp
 - Source code file
 - Includes functions, class definitions, ...
 - Only one .cpp file in a project may include a main function
 - Xxx.h
 - Header file
 - Includes function prototypes, class prototypes, ...
 - Header files are included in other files
 - `#include "my_header_file.h"`

Eclipse CPP Project Setup

- Eclipse Elements
 - Debug directory
 - Where eclipse keeps its intermediate and executable files
 - Your executable file is in this directory
 - `my_project_name.exe`

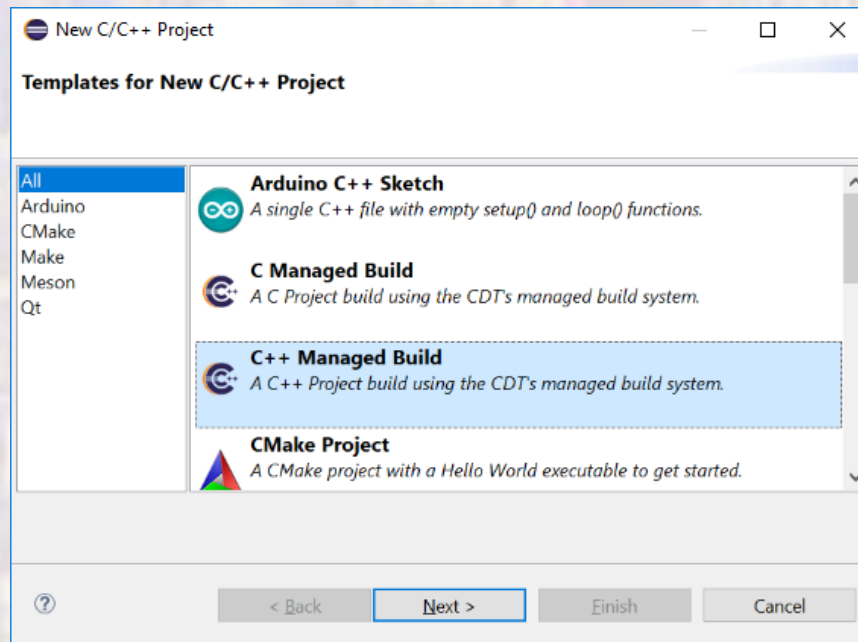
Eclipse CPP Project Setup

- Creating a new project
 - Open Eclipse
 - Specify the workspace



Eclipse CPP Project Setup

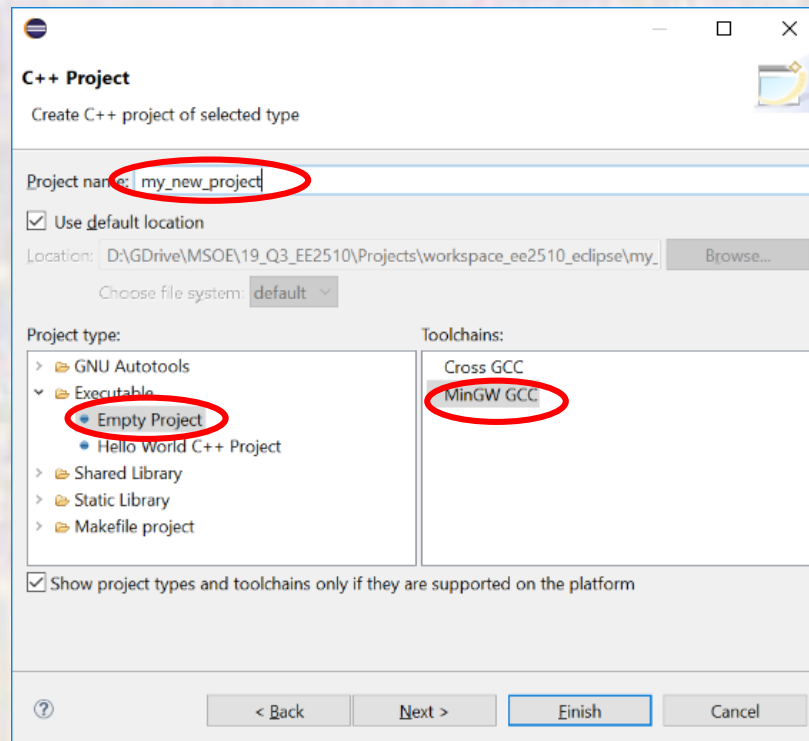
- Creating a new project
 - Select **File** → **New** → **C/C++ Project**



- Select **C++ Managed Build**

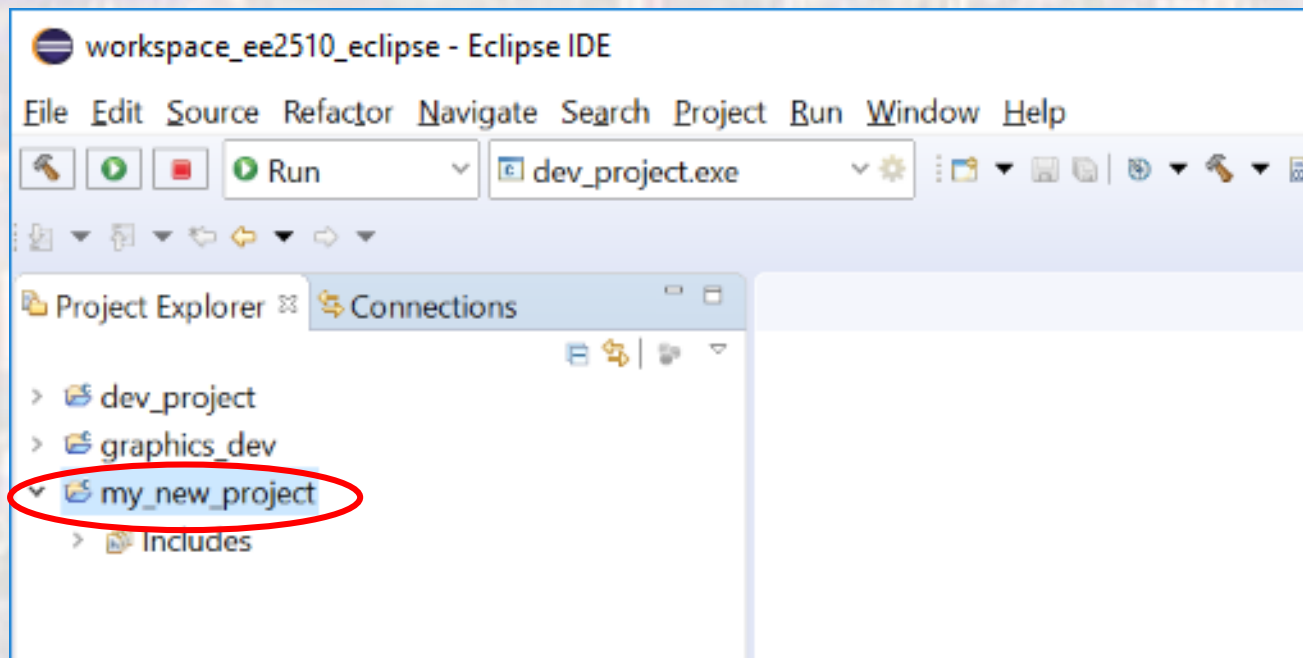
Eclipse CPP Project Setup

- Creating a new project
 - Provide a project name (No spaces allowed)
 - Select **Empty Project**
 - Select **MinGW GCC**



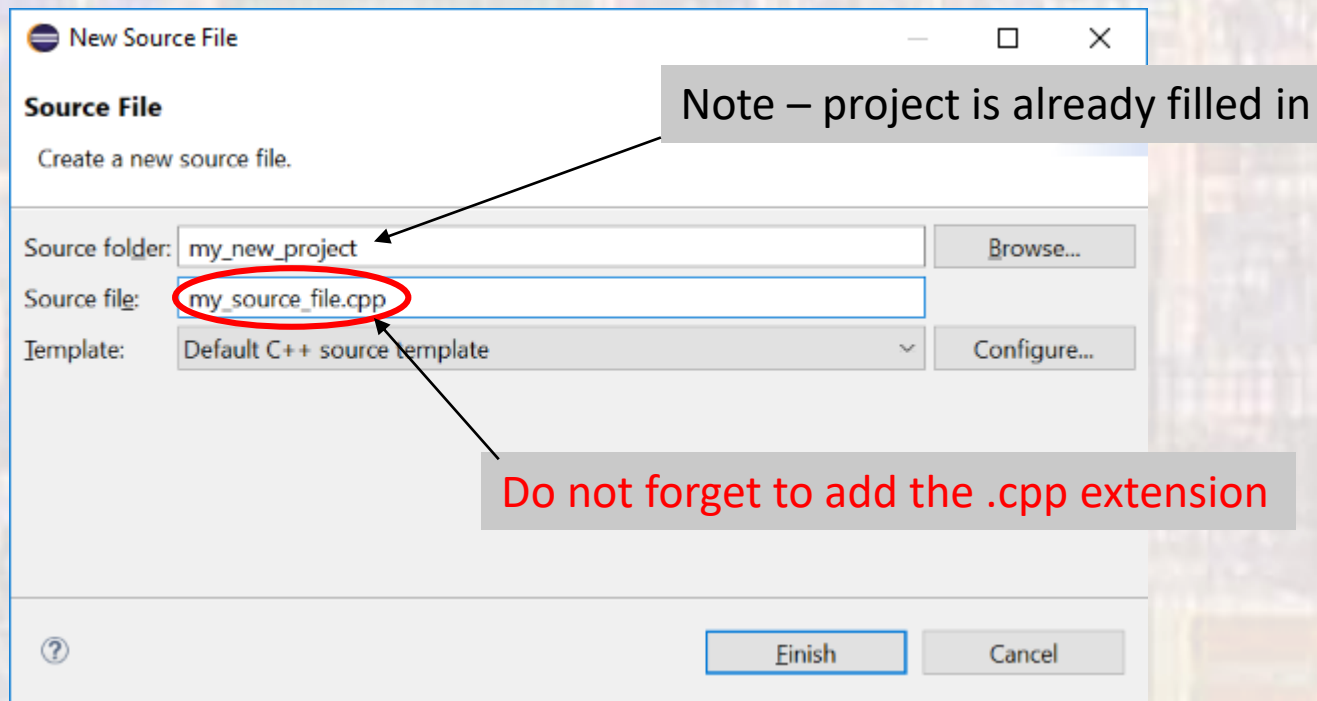
Eclipse CPP Project Setup

- Creating a new project
 - Your project will be added to the Project Explorer window



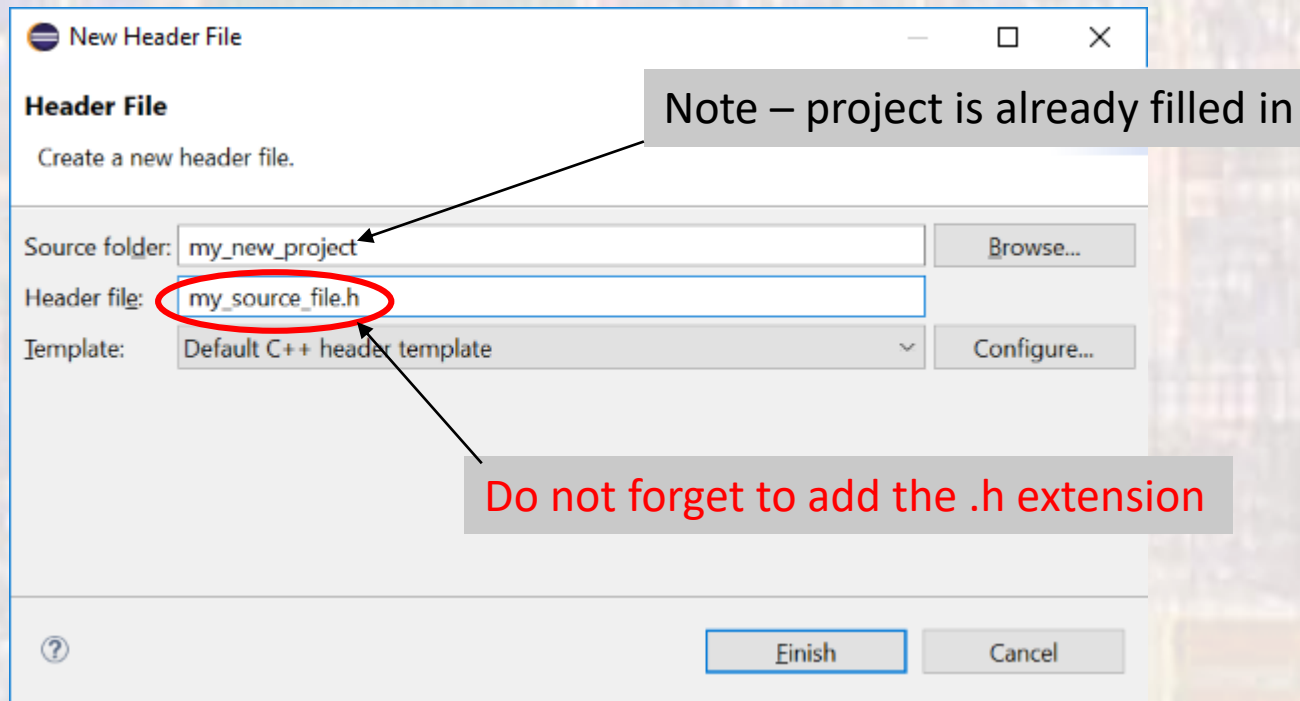
Eclipse CPP Project Setup

- Adding a .c file
 - Select your project (tap on it)
 - Select **File** → **New** → **Source File**



Eclipse CPP Project Setup

- Adding a .h file
 - Select your project (tap on it)
 - Select **File** → **New** → **Header File**



Eclipse CPP Project Setup

