練習 5: Commit/Push 程式到伺服器

Commit 為提交已 stage 的檔案至 Git, Commit 僅提交到本機, Push 以後才會上傳到伺服器, Commit 建議每做一點修改就 Commit 一次,一口氣 Commit 大量檔案可能發生未預期的問題;本練習的目的是由某乙先寫一段程式,並將程式 Commit/Push 到 git 上,使得以後某甲可以從 git 上取得這段程式並且做修改。

1. 在練習3 Clone 的目錄下,新增一個 Visual C++ CLR 應用程式



2. 在 GitTutorial. cpp 貼上下方程式碼:

```
#include "stdafx.h"
#include <string>
#include <iostream>
using namespace System;
bool Guess(int number) {
}
int main(array<System::String ^> ^args)
{
}
```

3. Gitignore:

(Gitignore 可以設定檔案或路徑使其不再被 Git 追蹤,詳細可以使用 <u>https://www.gitignore.io/</u>,輸入所使用的 IDE 及語言,會自動產生 ignore 檔, 且在註解有說明該檔案或目錄用途為何)

3-1. 在 unstaged file 點下右鍵,選擇 ignore

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		Resolve Conflicts	•	
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3-2. ignore 所有 debug 目錄下的所有檔案

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	GitTutorial/GitTutorial/Debug/app.res						
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	Mystia <as80110680@gmail.com></as80110680@gmail.com>				Commit options *		
	Push changes immediately to origin/master						
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4. 打勾你要的檔案,接著填上你的 commit log 接著按下 commit, commit log

請填寫	了有;	意義的	Message
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(填寫清楚的 log,可以讓你快速知道每個 commit 的版本差異)

5. Commit 完之後如果有伺服器上有新的工作副本 , Push 按鈕會出現一則 commit 未 push ,按下 push 之後可能需要再次輸入帳號密碼接著就成功 的上傳到遠端伺服器上



6. 成功上傳至遠端伺服器

(master(本機檔案)與 origin/master(伺服器檔案)會在同一條 commit 上)

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	Merge branch 'master' of https://github.com/Margatroidz/GitTutorial				
	# Conflicts:				
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	GitTutorial/GitTutorial/GitTutorial.cop				
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課程上使用 Git 時,請將檔案大小控制在 500MB 以內,否 則伺服器容易發生問題,如果圖片過多,可以透過 <u>https://tinypng.com/</u>壓縮圖片

Appendix:

如果無法成功 push 至伺服器,且出現以下的 error message



發生原因可能為練習時步驟有誤,可參考練習 8-乙解決