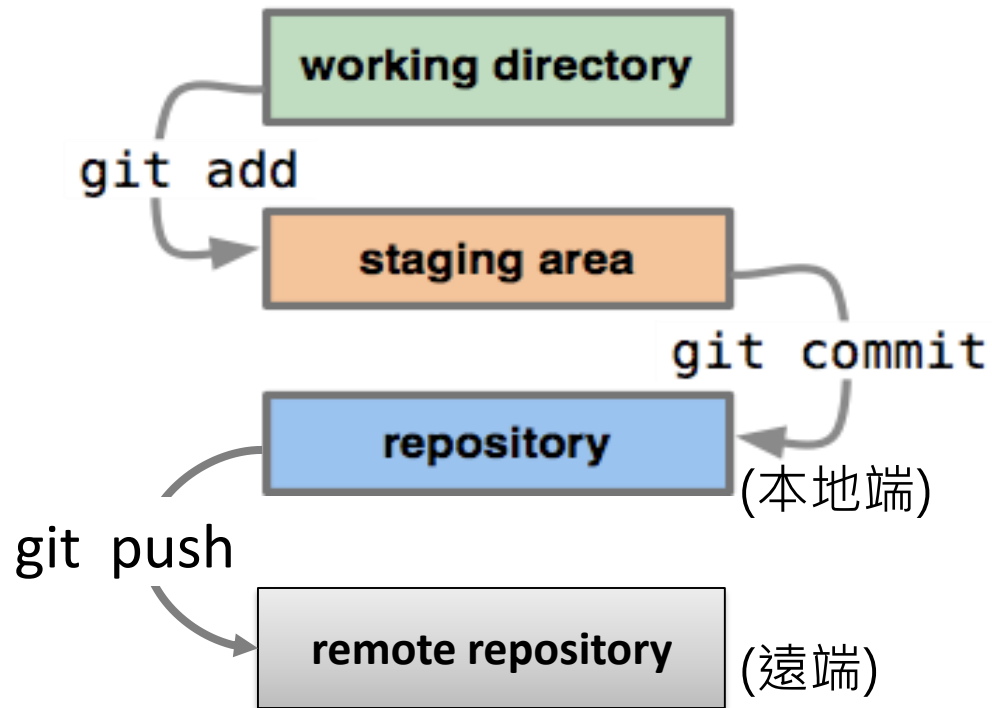


網頁程式設計: GitHub Desktop

Git & GitHub Overview

2



<https://stackoverflow.com/questions/676450/eclipse-git-what-does-staged-mean>

安裝 GitHub Desktop

3

- <https://desktop.github.com/>
- ▣ 請先在GitHub保持登入狀態，GitHub Desktop啟動時即可自動連結帳號。

有多種方式去創建GIT目錄

4

Let's get started!

Add a repository to GitHub Desktop to start collaborating



Create a tutorial repository...



Clone a repository from the Internet...



Create a New Repository on your hard drive...



Add an Existing Repository from your hard drive...



ProTip! You can drag & drop an existing repository folder here to add it to Desktop

Filter your repositories



Your repositories



soselab2020/puzzle



soselab2020/weather

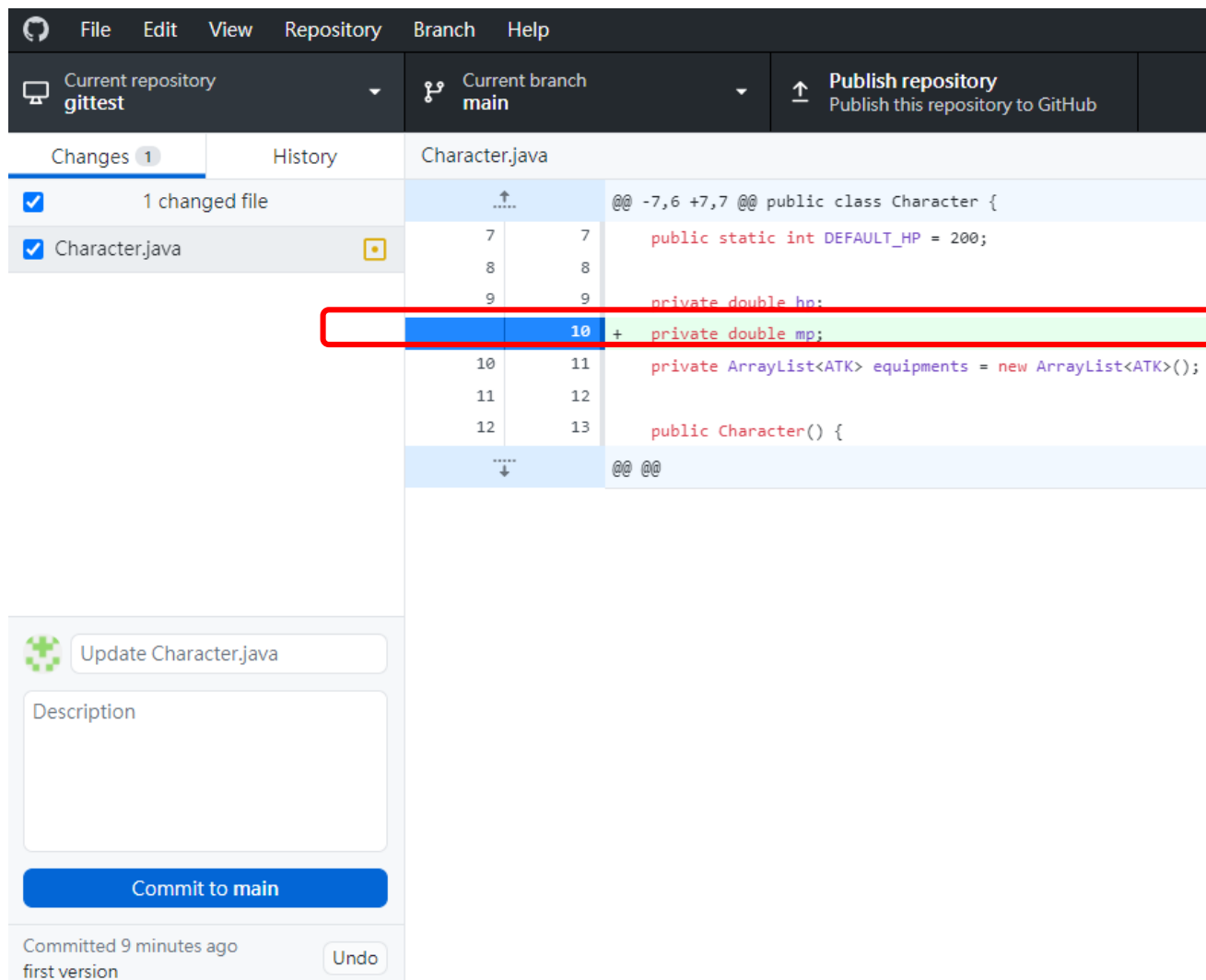


soselab2020/web

自動顯示修改

5

- 我們用編輯器修改程式後，GitHub Desktop 會自動偵測並 highlight 修改的部分。



Git Commit 介面

6

- 可一次完成 git add 與 git commit。

The screenshot displays the Git commit interface within an IDE. At the top, the menu bar includes File, Edit, View, Repository, Branch, and Help. Below the menu, the 'Current repository' is set to 'gittest' and the 'Current branch' is 'main'. A 'Publish repository' button is visible on the right. The 'Changes' tab is active, showing '1 changed file' and 'Character.java'. The diff view for 'Character.java' shows a change on line 10: a new line is added containing 'private double mp;'. The commit dialog at the bottom is highlighted with a red rectangle. It contains a text input field with the message 'add mp', a 'Description' text area, and a 'Commit to main' button.

```
@@ -7,6 +7,7 @@ public class Character {  
    public static int DEFAULT_HP = 200;  
    private double hp;  
+   private double mp;  
    private ArrayList<ATK> equipments = new ArrayList<ATK>();  
    public Character() {
```

add mp

Description

Commit to main

Git Log介面

7

- 可顯示所有歷程。

The screenshot displays the Git Log interface within an IDE. The top menu bar includes 'File', 'Edit', 'View', 'Repository', 'Branch', and 'Help'. Below the menu, the 'Current repository' is 'gittest' and the 'Current branch' is 'main'. The 'Publish repository' button is also visible. The 'History' tab is selected and highlighted with a red box. The log shows a commit 'add mp' by 'soselab2020' with 1 changed file. The diff view shows the addition of a 'private double mp;' line to the 'Character.java' file.

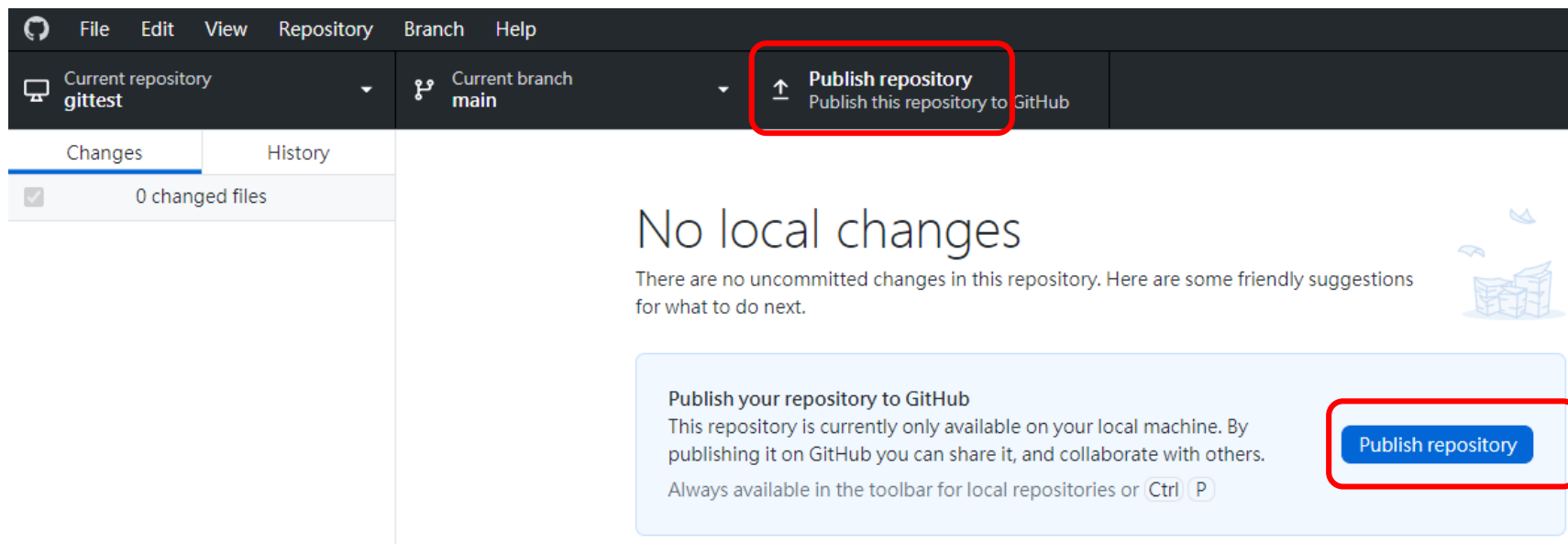
Commit	Author	Message	Files
7174a8e	soselab2020	add mp	1 changed file

File	Line	Diff
Character.java	7	public static int DEFAULT_HP = 200;
Character.java	8	private double hp;
Character.java	9	private double mp;
Character.java	10	private ArrayList<ATK> equipments = new ArrayList<ATK>();
Character.java	11	public Character() {
Character.java	12	}

Git Push 介面₁

8

- 可連結GitHub進行git push ◦



Git Push 介面₂

9

- 設定GitHub repo時可將private取消勾選 (變成公開專案)。

Publish repository

×

GitHub.com

GitHub Enterprise

Name

gittest

Description

☐ Keep this code private

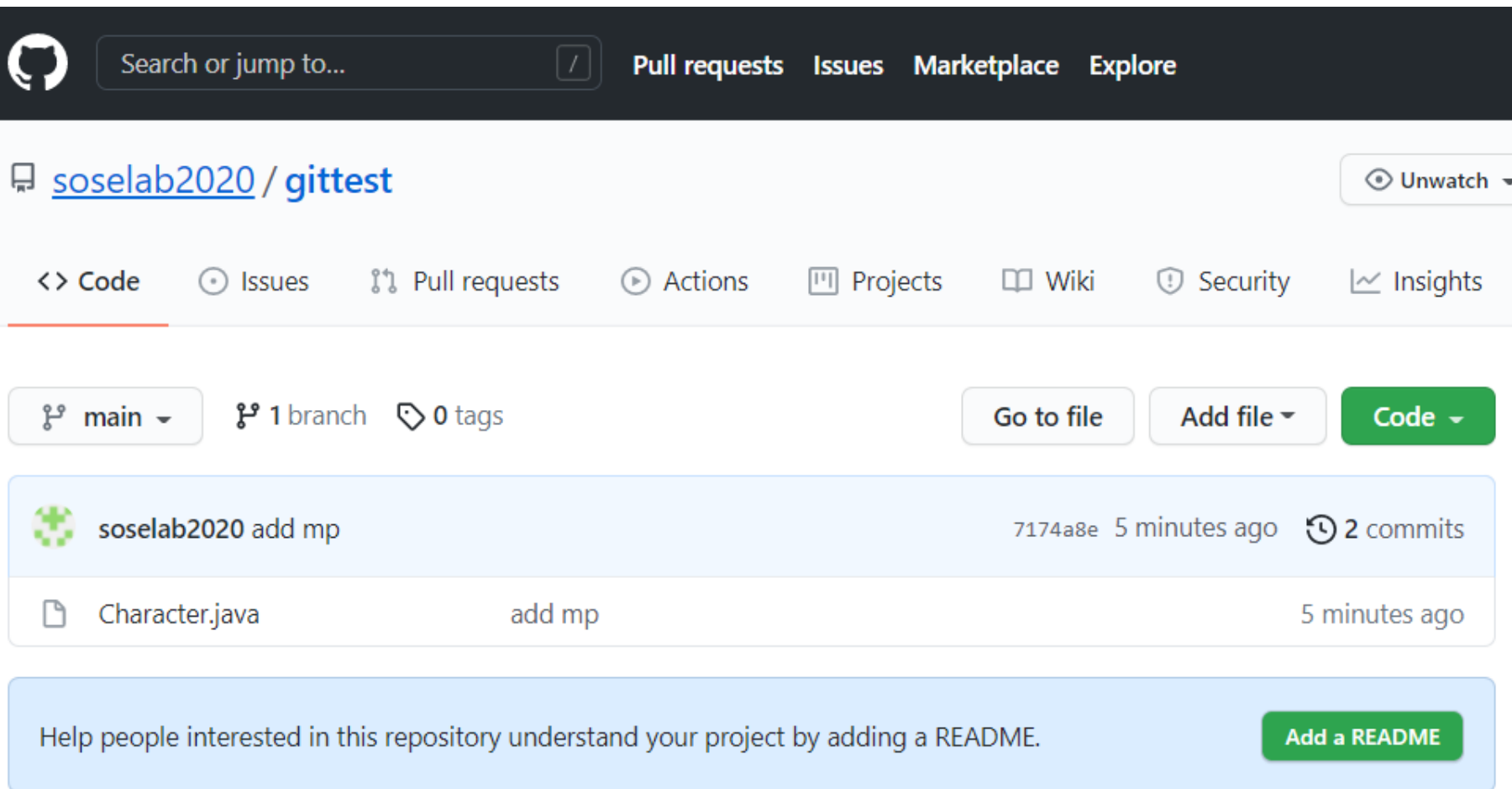
Publish repository

Cancel

Git Push 介面₃

10

- Local Repo 可成功發佈到 GitHub 上。



The screenshot shows the GitHub interface for the repository `soselab2020 / gittest`. At the top, there is a search bar and navigation links for Pull requests, Issues, Marketplace, and Explore. Below the repository name, there are tabs for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, and Insights. The Code tab is selected. Under the Code tab, there is a branch selector showing 'main' with a dropdown arrow, and information about 1 branch and 0 tags. To the right of the branch selector are buttons for 'Go to file', 'Add file', and 'Code'. Below this, a commit history is shown with a commit by 'soselab2020' titled 'add mp' with hash '7174a8e' made '5 minutes ago' and having '2 commits'. Below the commit, a file named 'Character.java' is listed with the action 'add mp' and timestamp '5 minutes ago'. At the bottom, there is a light blue banner encouraging the user to 'Add a README' to help people understand the project.

Search or jump to... / Pull requests Issues Marketplace Explore

`soselab2020 / gittest` Unwatch

<> Code Issues Pull requests Actions Projects Wiki Security Insights

main 1 branch 0 tags Go to file Add file Code

soselab2020 add mp 7174a8e 5 minutes ago 2 commits

Character.java add mp 5 minutes ago

Help people interested in this repository understand your project by adding a README. Add a README

Git Pull 介面₂

12

- 再執行pull把新版本抓回來。

The screenshot shows the IntelliJ IDEA interface with the Git tool window open. The top bar includes menus: File, Edit, View, Repository, Branch, and Help. Below this, the 'Current repository' is 'gittest' and the 'Current branch' is 'main'. The 'Pull origin' button, which says 'Last fetched just now', is highlighted with a red box. To the left of the main editor, the 'History' tab is active, showing a list of commits: 'add name' (2m), 'add mp' (10m), and 'first version' (24m). The main editor displays the 'Character.java' file with a diff view. The diff shows changes between the current branch and the origin. The code includes an import statement for 'ArrayList' and a class definition for 'Character' with static variables 'MAX_HP' and 'DEFAULT_HP', and instance variables 'name', 'hp', 'mp', and 'equipments'.

File Edit View Repository Branch Help

Current repository gittest Current branch main Pull origin Last fetched just now 1 ↓

Changes History

No branches to compare

add name
soselab2020 • 2m

add mp
soselab2020 • 10m

first version
soselab2020 • 24m

Character.java

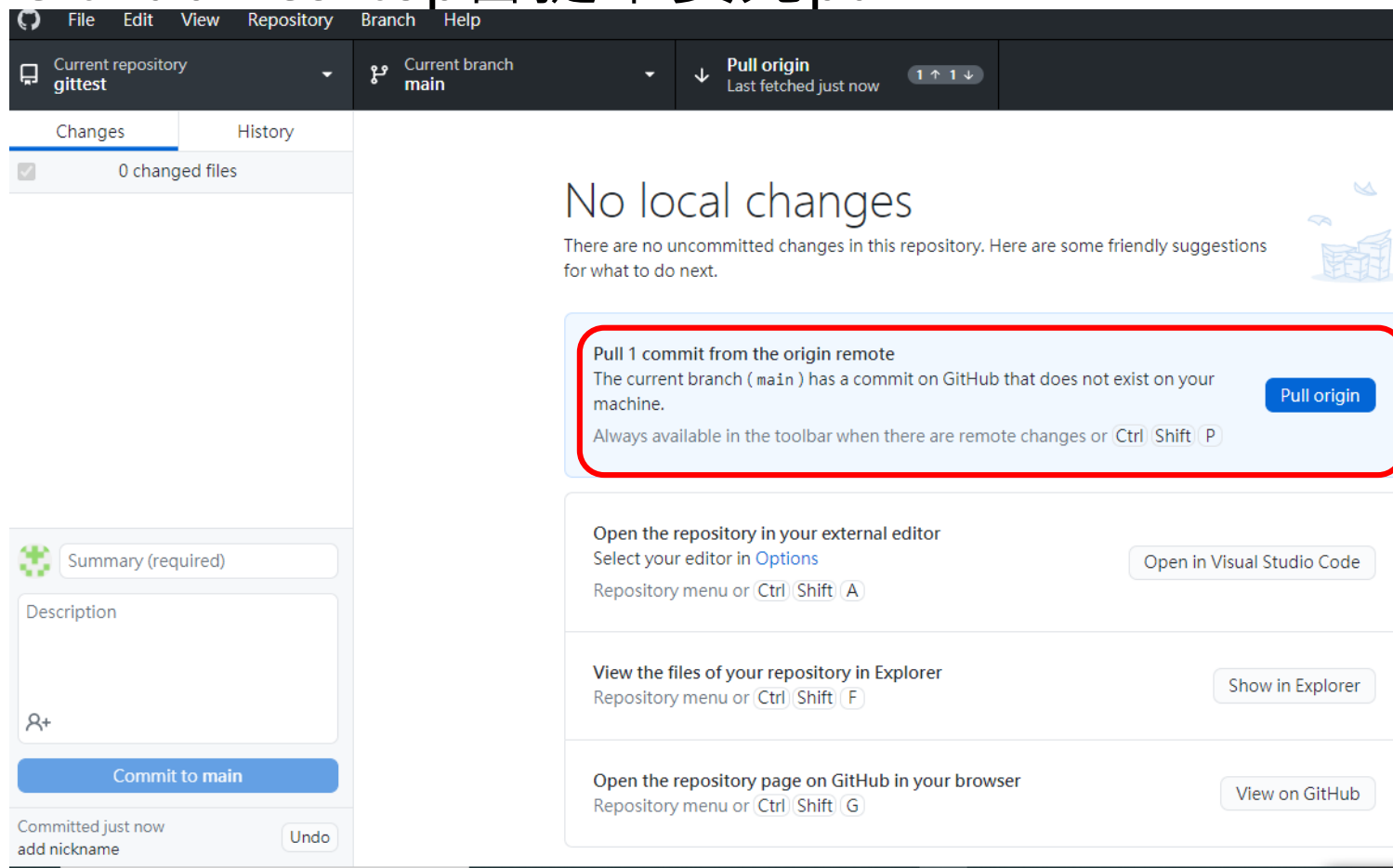
soselab2020 659f1cc ± 1 changed file New

↑...			@@ -5,7 +5,8 @@ import java.util.ArrayList;
5	5		public class Character {
6	6		public static double MAX_HP = 999;
7	7		public static int DEFAULT_HP = 200;
8	-		
	8	+	
	9	+	private String name;
9	10		private double hp;
10	11		private double mp;
11	12		private ArrayList<ATK> equipments = new ArrayList<ATK>();
↓			@@ @@

本地端與遠端版本衝突的情況¹

13

- 當遠端有新版本，本地端也有不同的新版本時，GitHub Desktop會提示要先pull。



本地端與遠端版本衝突的情況₂

14

- 解決完衝突後，即可進行merge，就完成新版本的pull動作。

