

# Qt Lesson 3

Lisa Tsai @ 2017 Summer

NTUBIME Lab405

# 上課之前

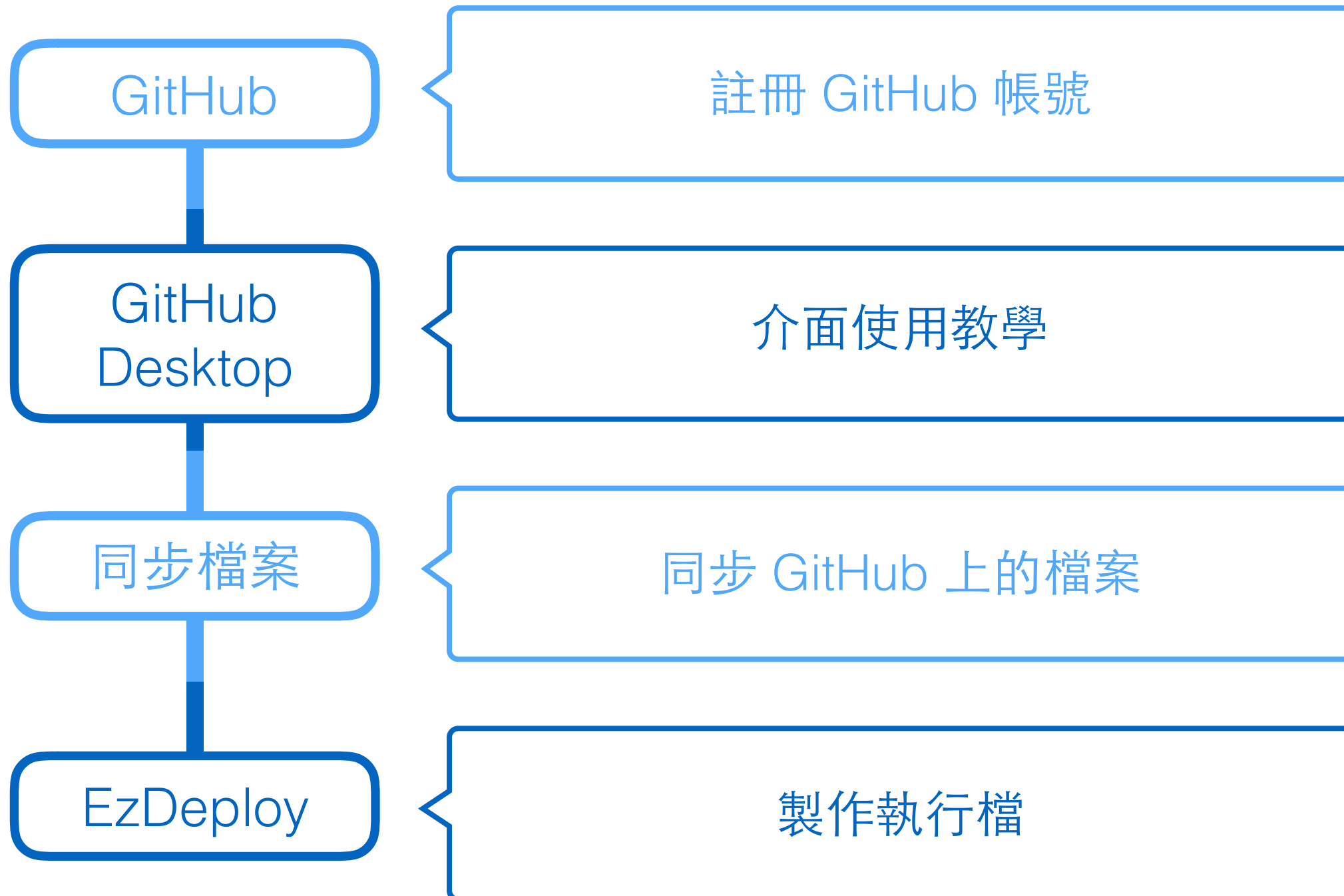
1

下載這份投影片

2

可以先註冊**GitHub**帳號

# Schedule



# Qt Schedule

	日期	課程	作業
week 1	7/4	Qt 環境架設 & GUI 簡單介紹	點餐系統
week 2	7/25	Qt IO System 功能介紹	csv資料處理
week 3	8/1	Github / SourceTree	上傳前兩次作業
week 4	8/8	Gitbook 專案管理 / 共同編輯 / 同步 / 版本控制	fork 及修改別人的專題
week 5	8/15	指標、初階物件導向應用	打磚塊
week 6	8/22	進階物件導向程式設計	
week 7	8/29	複習物件導向以及 IO System	
week 8	9/5	Qt QImage & QTimer 介紹	會員集點
week 9	9/12	Qt 多執行緒程式撰寫	計時器或小畫家
week 10	9/19	使用常見函式庫 qcustomplot / OpenCV 基礎介紹	滑鼠控制事件
week 11	9/26	專題輔導	資料處理及統計
week 12	10/3	專題輔導	
week 13	10/11	專題輔導	
week 14	10/17	專題報告	

# GitHub

註冊 GitHub 帳號



# 註冊 GitHub 帳號

[Features](#)[Business](#)[Explore](#)[Marketplace](#)[Pricing](#)[Sign in](#) or [Sign up](#)

## Built for developers

GitHub is a development platform inspired by the way you work. From open source to business, you can host and review code, manage projects, and build software alongside millions of other developers.

Username

Email

Password

Use at least one letter, one numeral, and seven characters.

**Sign up for GitHub**

By clicking "Sign up for GitHub", you agree to our [terms of service](#) and [privacy policy](#). We'll occasionally send you account related emails.

# 登入 GitHub



Sign in to GitHub

**Username or email address**

LisaTsai

**Password**

[Forgot password?](#)

.....

**Sign in**

New to GitHub? [Create an account.](#)

# 歡迎畫面

[Pull requests](#) [Issues](#) [Marketplace](#) [Gist](#)

## Learn Git and GitHub without any code!

Using the Hello World guide, you'll create a repository, start a branch, write comments, and open a pull request.

[Read the guide](#)[Start a project](#)



# Find someone/something



LisaTsai

Pull requests

Issues

Marketplace

Gist



Repositories

Code 2

Commits 1

Issues

Wikis

Users 1

Advanced search



**LisaTsai**

✉ tsaitsai225@gmail.com

## Languages

C++

1

# Follow someone




**KKyang**

KKyang

Follow

Block or report user

 NTU BIME BBLab

 Taipei, Taiwan

Overview

Repositories **28**

Stars **1**



Followers **4**

Following **4**

## Popular repositories

### qtsmartgraphics

A simple library that improves the user experience when displaying images by Qt's QLabel and QGraphicsView.

 C++  1

### play-with-raspberry-pi-2

A gitbook

 1

### HDR

NTU VFX Project 1

 C++  1  1

### Medical-Image-Processing-Final-Project

Implement of Semi-Automated Detection of Breast Mass Spiculation Using Active Contour

 C++  1  1

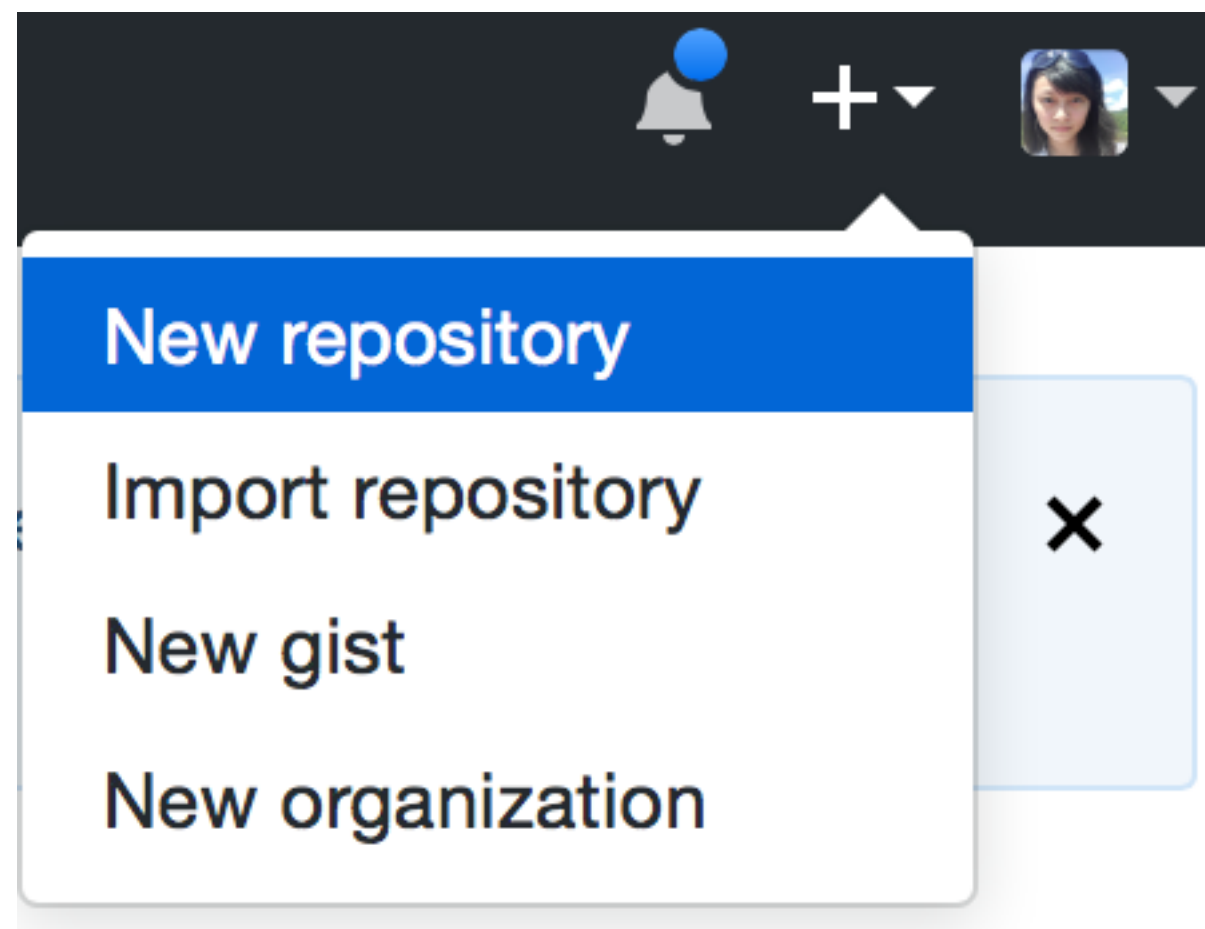
### 2D-Plate-Thermal-Calculator

2D Plate Thermal Calculator created by QT Creator with VS2010 x64 compiler

### new\_OpenGL\_in\_Panel

translate conole to windows form from tutorial website  
<http://www.opengl-tutorial.org/>

# Create new repository



# Create new repository

## Create a new repository

A repository contains all the files for your project, including the revision history.

Owner



LisaTsai ▾

/

Repository name

Lab405\_Qt



Great repository names are short and memorable. Need inspiration? How about **effective-fiesta**.

Description (optional)

2017 Summer Qt Lesson



**Public**

Anyone can see this repository. You choose who can commit.



**Private**

You choose who can see and commit to this repository.



**Initialize this repository with a README**

This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: **None** ▾


Add a license: **None** ▾



Create repository

# Create new repository

 LisaTsai / **Lab405\_Qt**

 Unwatch ▾

1

★ Star

0


 Fork

0

<> Code

! Issues 0

 Pull requests 0

 Projects 0

 Wiki

⚙ Settings


Insights ▾

2017 Summer Qt Lesson

Edit

[Add topics](#)

 1 commit

 1 branch

 0 releases

 1 contributor

Branch: master ▾

New pull request

Create new file

Upload files

Find file

Clone or download ▾



**LisaTsai** Initial commit

Latest commit 36da8df just now



[README.md](#)

Initial commit

just now



**README.md**

## Lab405\_Qt

2017 Summer Qt Lesson

# GitHub Desktop

介面使用教學



# Download & Install GitHub Desktop



[Overview](#) [Release Notes](#) [Help](#)

## The new native

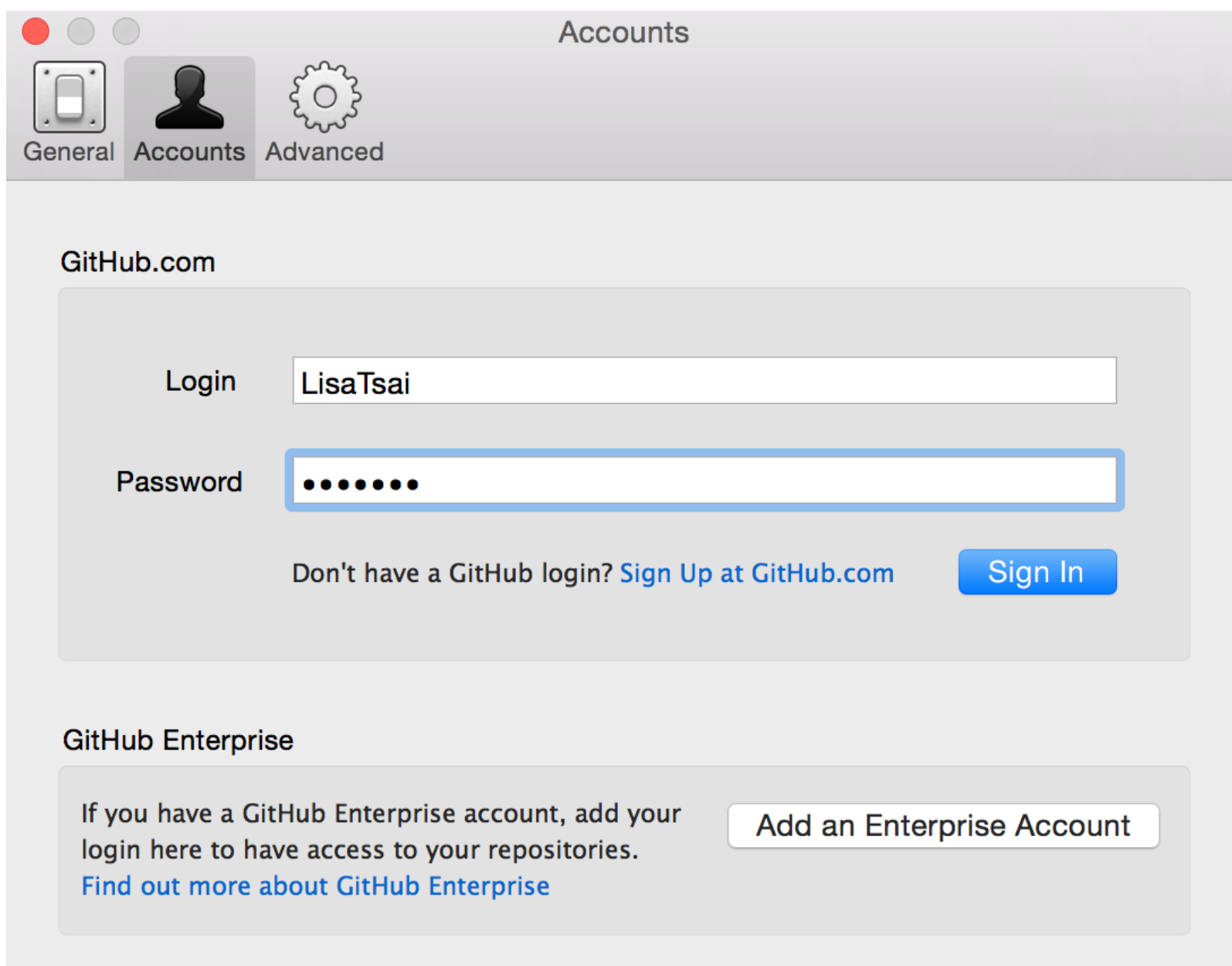
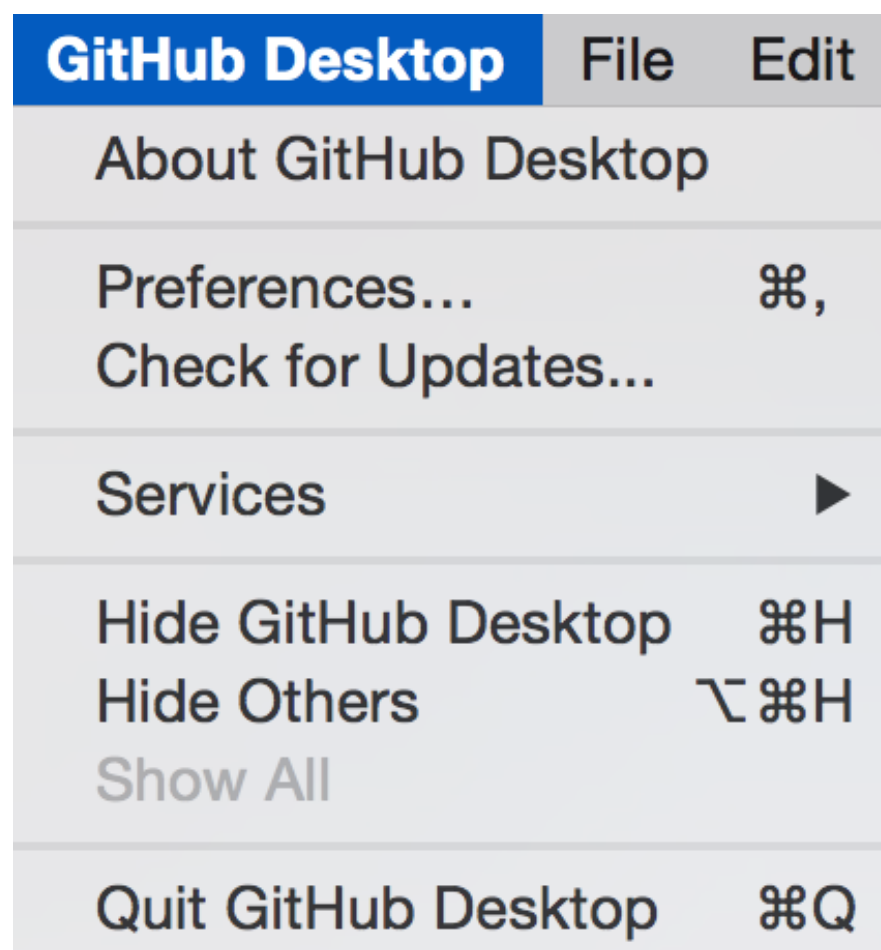
Extend your GitHub workflow beyond your browser with our Desktop Beta, completely redesigned with Electron. Get a unified cross-platform experience that's completely open source and ready to customize.

**[Download for macOS](#)**

[Download for Windows](#)

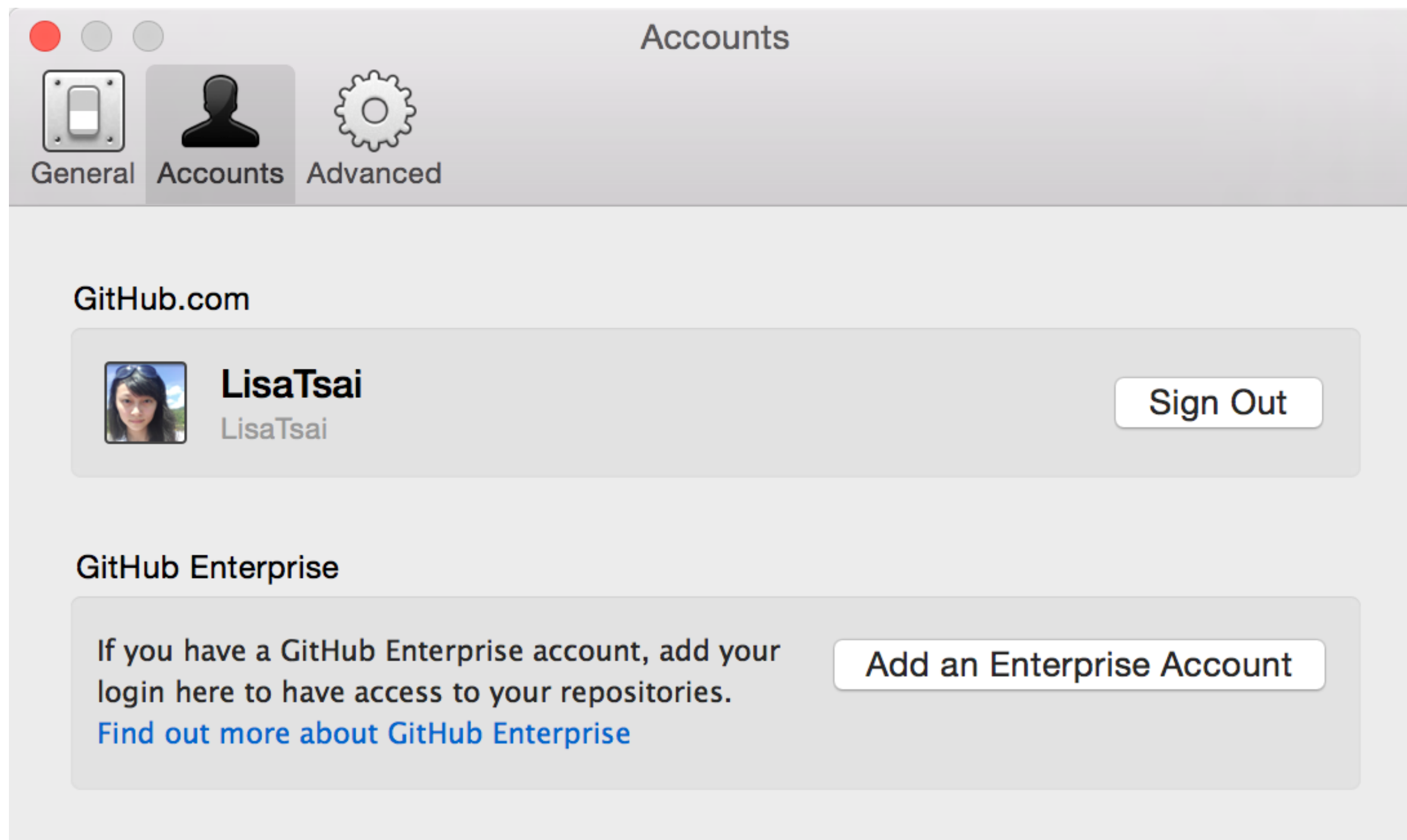
By downloading, you agree to the [Terms and Conditions](#).

# 跟 GitHub 做連結

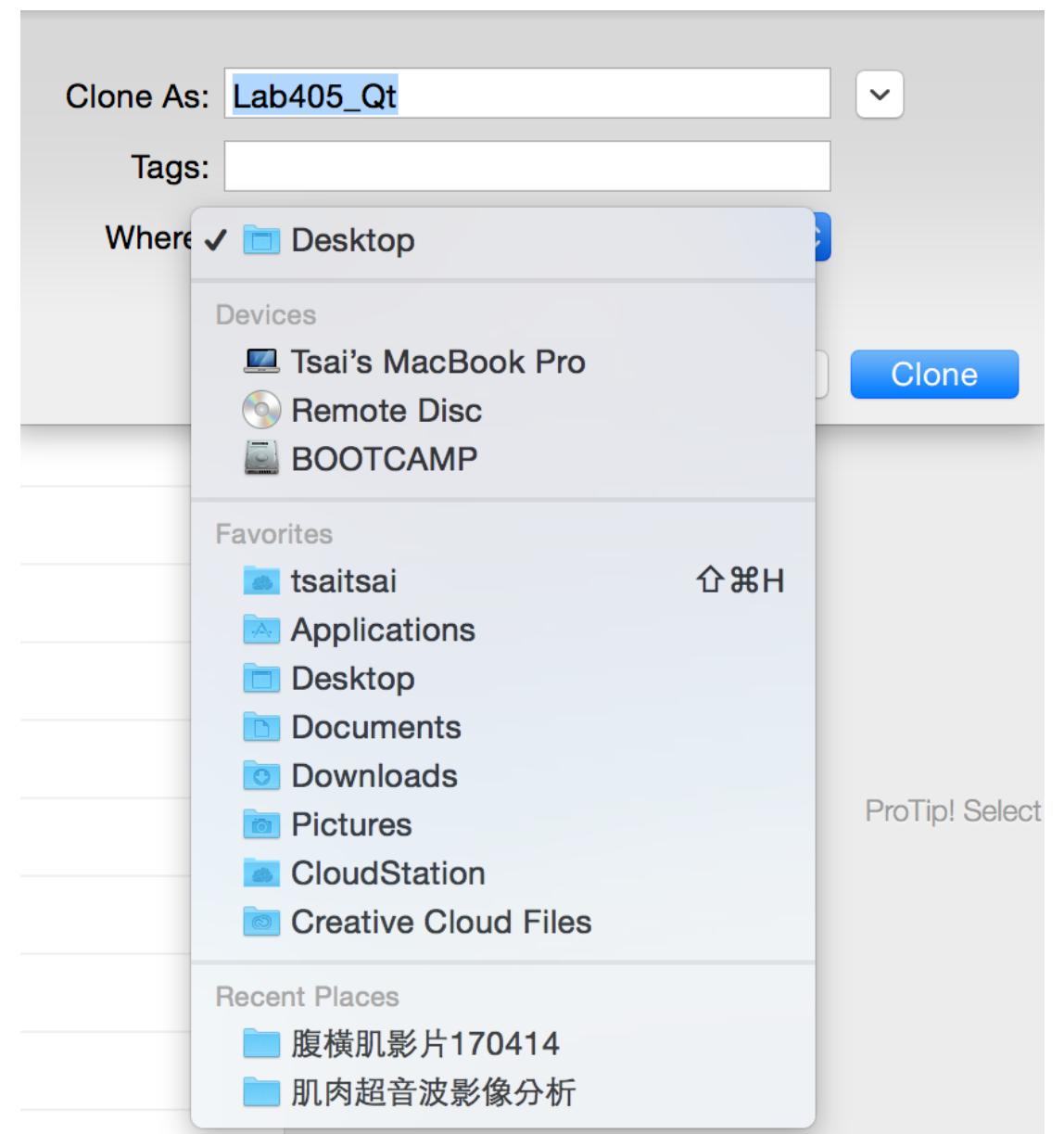
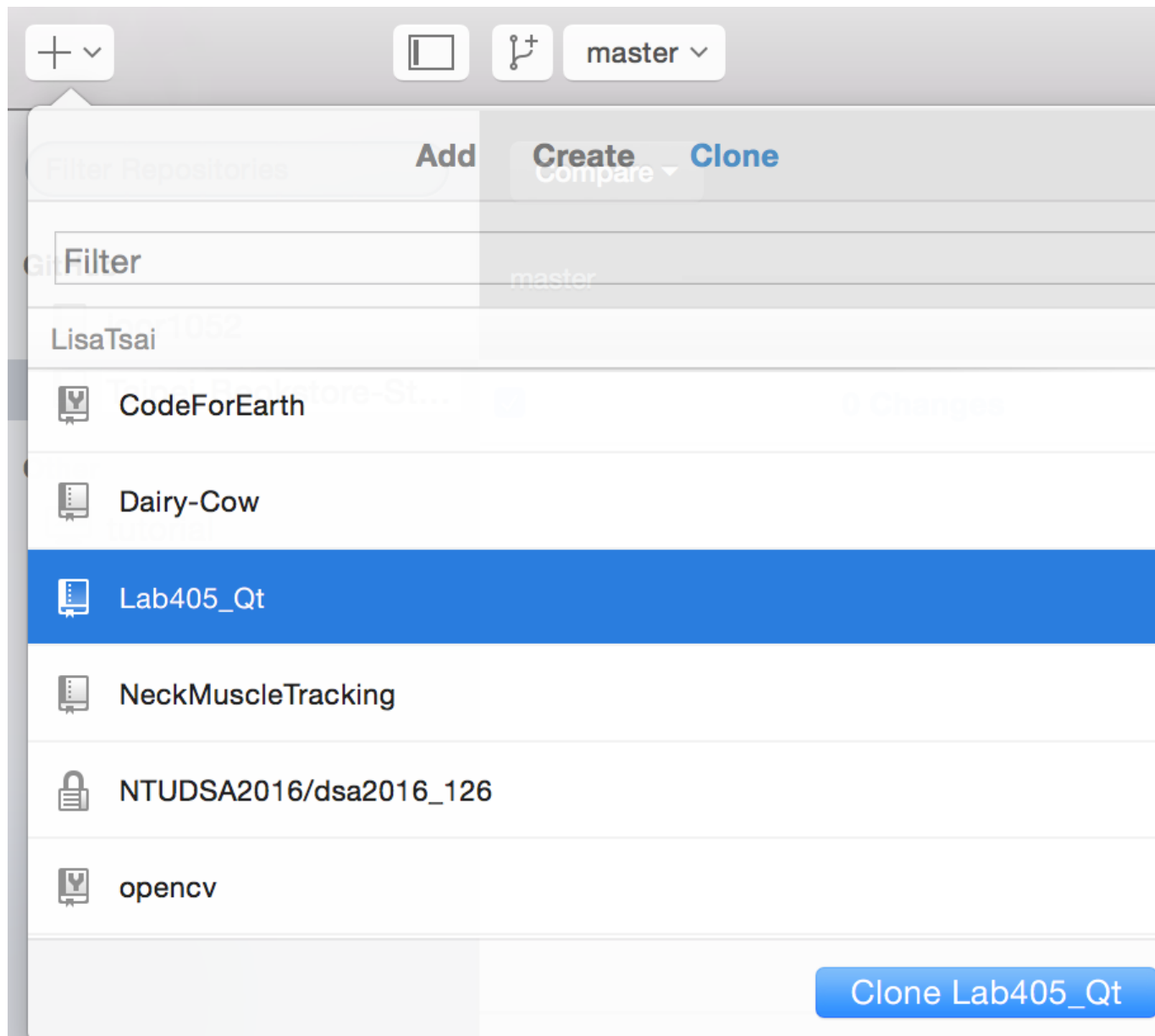




# 跟 GitHub 做連結 - 成功畫面



# Clone 資料夾到電腦上



# Result

The screenshot displays the GitHub Desktop application interface. At the top, the window title is "LisaTsai/Lab405\_Qt". The top bar includes a "+" icon, a "master" branch selector, and buttons for "No Uncommitted Changes" and "History". A "Pull Request" button is visible in the top right corner.

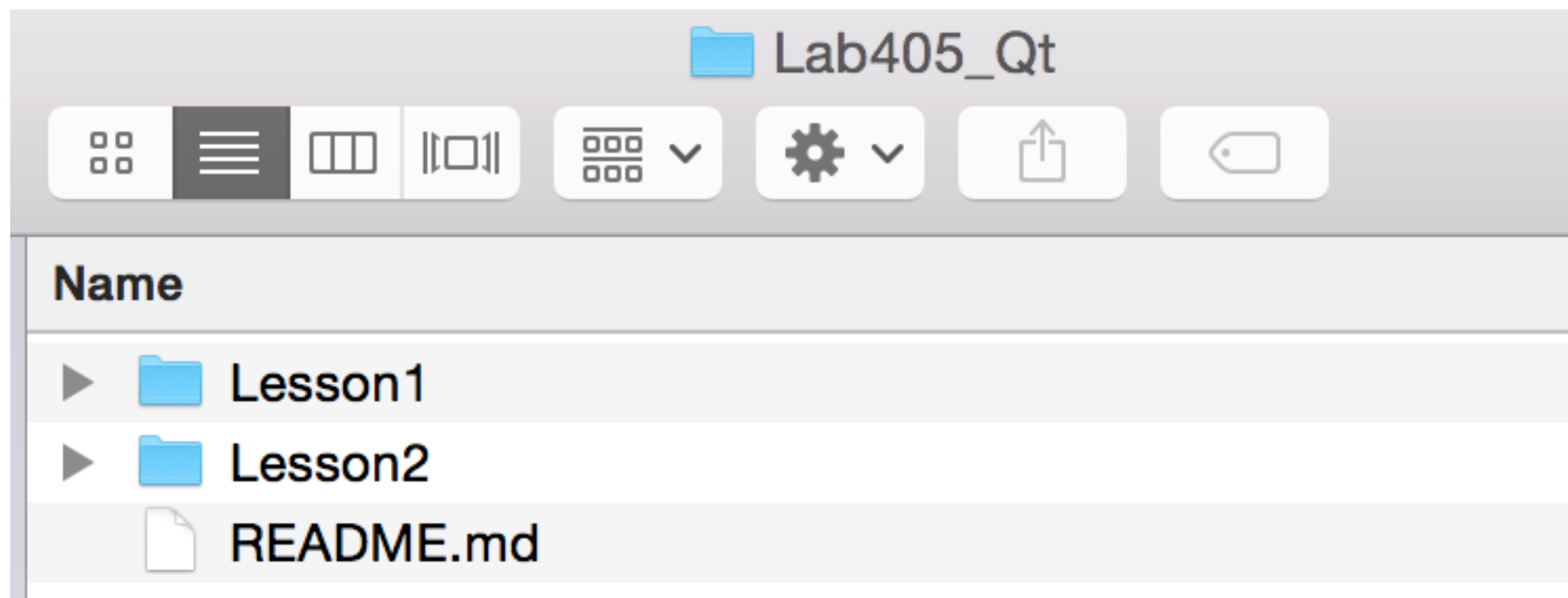
The left sidebar shows a list of repositories under the "GitHub" section: "joor1052", "Lab405\_Qt" (selected), and "Taipei-Bookstore-St...". Under the "Other" section, there is a "tutorial" repository.

The main area shows the commit history for the "master" branch. The selected commit is "Initial commit" by LisaTsai, made 20 minutes ago. The commit message is "Initial commit".

The diff view shows changes to the "README.md" file. The changes are highlighted in green, indicating additions. The diff shows two lines added:

```
@@ -0,0 +1,2 @@
+ # Lab405_Qt
+ 2017 Summer Qt Lesson
```

# Add files to the repository



# Commit the change

The screenshot shows the GitHub Desktop application interface. At the top, the window title is "LisaTsai/Lab405\_Qt". The top bar indicates "14 Uncommitted Changes" and "History". On the right, there are buttons for "Pull Request" and "Sync" (highlighted with a green box). The left sidebar shows a list of repositories: "joor1052", "Lab405\_Qt" (selected), "Taipei-Bookstore-St...", and "tutorial". The main area displays a list of 14 changes, all marked with a checkmark and green dots, indicating they are staged for commit. The changes include files like "Lesson1/2017Lab405Qt-1.key", "Lesson1/HelloWorld/HelloWorld.pro", "Lesson1/HelloWorld/HelloWorld.pro.user", "Lesson1/HelloWorld/main.cpp", "Lesson1/HelloWorld/mainwindow.cpp", "Lesson1/HelloWorld/mainwindow.h", "Lesson1/HelloWorld/mainwindow.ui", "Lesson1/OrderingSystem/main.cpp", "Lesson1/OrderingSystem/mainwindow.cpp", and "Lesson1/OrderingSystem/mainwindow.h". A commit dialog is open in the foreground, showing a user profile picture, the title "Add Lecture PDF/Code", the description "Add Lecture PDF/Code for Lesson 1&2", and a "Commit to master" button. The dialog is highlighted with a blue border. Below the commit dialog, there is a "Summary" field and a "Description" field, both with "Commit to master" buttons.

14 Uncommitted Changes

History

Compare

master

14 Changes

Lesson1/2017Lab405Qt-1.key

Lesson1/HelloWorld/HelloWorld.pro

Lesson1/HelloWorld/HelloWorld.pro.user

Lesson1/HelloWorld/main.cpp

Lesson1/HelloWorld/mainwindow.cpp

Lesson1/HelloWorld/mainwindow.h

Lesson1/HelloWorld/mainwindow.ui

Lesson1/OrderingSystem/main.cpp

Lesson1/OrderingSystem/mainwindow.cpp

Lesson1/OrderingSystem/mainwindow.h

Lesson1/OrderingSystem/mainwindow.ui

Add Lecture PDF/Code

Add Lecture PDF/Code for Lesson 1&2

Commit to master

Summary

Description

Commit to master

# Result

[Code](#)[Issues 0](#)[Pull requests 0](#)[Projects 0](#)[Wiki](#)[Settings](#)[Insights ▾](#)

2017 Summer Qt Lesson

[Edit](#)[Add topics](#)

2 commits

1 branch

0 releases

1 contributor

Branch: master ▾

[New pull request](#)[Create new file](#)[Upload files](#)[Find file](#)[Clone or download ▾](#)

LisaTsai Add Lecture PDF/Code ...

Latest commit d79a237 4 minutes ago

Lesson1	Add Lecture PDF/Code	4 minutes ago
Lesson2	Add Lecture PDF/Code	4 minutes ago
README.md	Initial commit	31 minutes ago

Branch: master ▾

Lab405\_Qt / Lesson1 /

[Create new file](#)[Upload files](#)[Find file](#)[History](#)

LisaTsai Add Lecture PDF/Code ...

Latest commit d79a237 5 minutes ago

..		
HelloWorld	Add Lecture PDF/Code	5 minutes ago
OrderingSystem	Add Lecture PDF/Code	5 minutes ago
2017Lab405Qt-1.key	Add Lecture PDF/Code	5 minutes ago

# 同步檔案

同步 GitHub 上的檔案



# Create new file

Create new file

Upload files

Find file

History

Lab405\_Qt / Lesson1 /  or [cancel](#)

<> Edit new file

Preview

Spaces

2

No wrap

1

Lab405\_Qt /  or [cancel](#)

<> Edit new file

Preview

Spaces

2

No wrap

1 This is a test!



# Commit new file



## Commit new file

Commit Test

This is a description

- ☒ Commit directly to the `master` branch.
- ☐ Create a **new branch** for this commit and start a pull request. [Learn more about pull requests.](#)

Commit new file

Cancel

# Check

Branch: master ▾

Lab405\_Qt / Test.txt

Find file

Copy path



**LisaTsai** Commit Test

57f06cb just now

1 contributor

2 lines (1 sloc) | 16 Bytes

Raw

Blame

History




1 This is a test!

# Sync

Compare ▼

 Sync


GitHub

 jaar1052

Lab405\_Qt

 Taipei-Bookstore-St...

Other

 tutorial

master



## Commit Test

2 minutes ago by LisaTsai



Add Lecture PDF/Code

11 minutes ago by LisaTsai

14 ▶



Initial commit

37 minutes ago by LisaTsai

Add Lecture PDF/Code

Add Lecture PDF/Code for Lesson 1&2



LisaTsai



d79a237



11 minutes ago



▼

Lesson1/2017Lab405Qt-1.key



BIOPHOTONICS &amp; BIOIMAGING LABORATORY

# EzDeploy

製作執行檔



# BBlabcloud

<https://bblabcloud.bime.ntu.edu.tw>

🏠 > share resources > applications > programming (程式設計) > EzDeploy  >  

☐ 名稱 ▲ 大小 修改時間

 An application that auto deploys Qt DLLs.  ... 0 KB 1 年前

 EzDeploy1.0.1.7z  ... 18.3 MB 1 年前

 EzDeploy1.0.3.7z  ... 18.3 MB 1 年前

3 個檔案

36.6 MB

# 參考網站

## **GitHub**

<https://github.com>

## **GitHub Desktop**

<https://desktop.github.com>

## **Using Command Line**

<https://help.github.com/articles/adding-an-existing-project-to-github-using-the-command-line/>

*Thank you ~ ~*

