

Github入門

Life is Tech! School Special

Github(ギットハブ)

Gitのしくみを使った
プロジェクト共有Webサービス



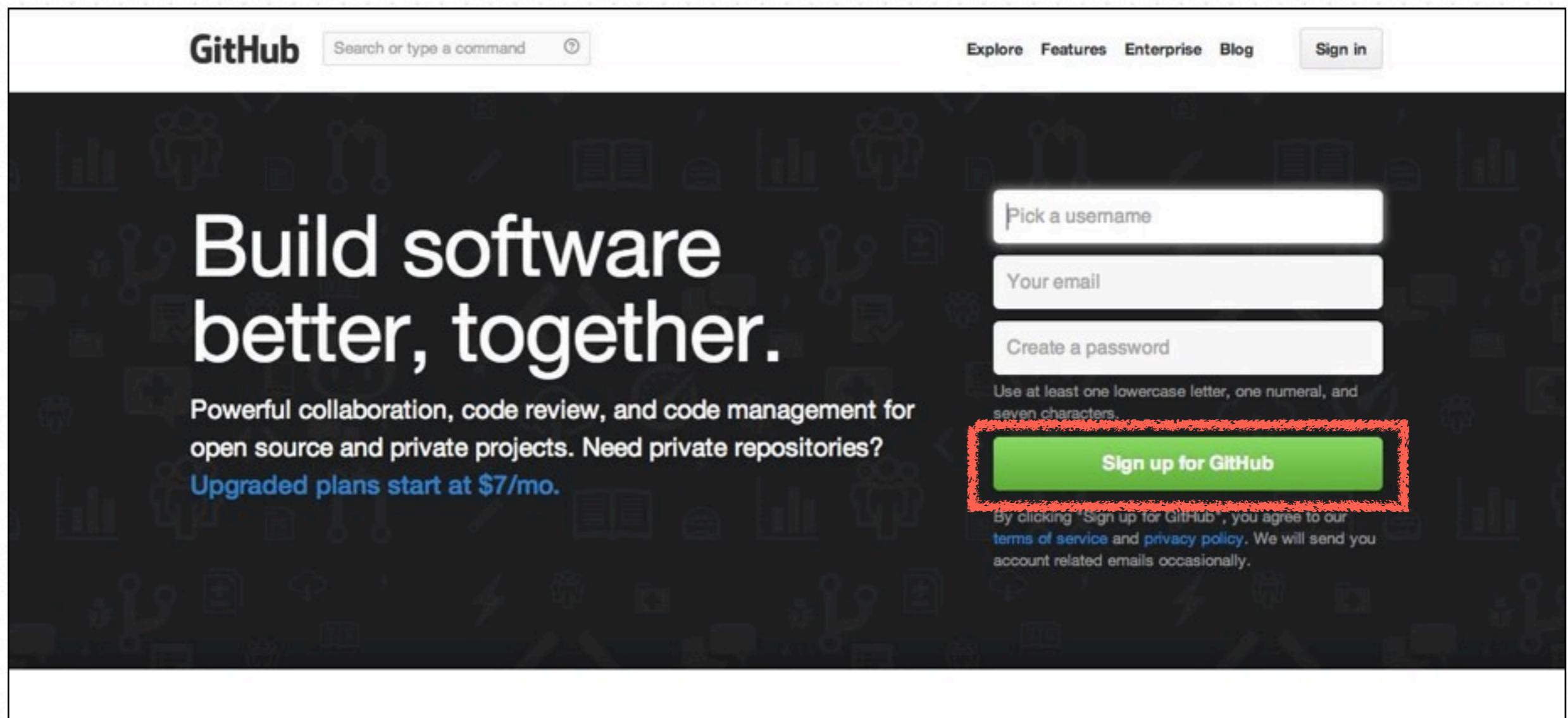
<https://github.com/>

Git(ギット) …ソースファイルのバージョン管理システム

今回の課題

自分のプロジェクトファイルを
Githubに公開してみよう！

アカウントを作ります！



The screenshot shows the GitHub sign-up page. At the top, there is a navigation bar with the GitHub logo, a search bar, and links for Explore, Features, Enterprise, Blog, and Sign in. Below the navigation bar, a large white banner features the text "Build software better, together." in a large, bold, sans-serif font. Underneath this, there is a smaller text block: "Powerful collaboration, code review, and code management for open source and private projects. Need private repositories? Upgraded plans start at \$7/mo." To the right of the banner, there is a form for creating a new account. It consists of three input fields: "Pick a username", "Your email", and "Create a password". Below the password field is a note: "Use at least one lowercase letter, one numeral, and seven characters." A green "Sign up for GitHub" button is positioned below the password field. A red box highlights this button. At the bottom of the form, there is a small note: "By clicking 'Sign up for GitHub', you agree to our terms of service and privacy policy. We will send you account related emails occasionally."

GitHub Search or type a command ?

Explore Features Enterprise Blog Sign in

Build software better, together.

Powerful collaboration, code review, and code management for open source and private projects. Need private repositories? Upgraded plans start at \$7/mo.

Pick a username

Your email

Create a password

Use at least one lowercase 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 will send you account related emails occasionally.

登録しよう

GitHub Sign In

Join GitHub

The best way to design, build, and ship software.

Step 1: Set up a personal account Step 2: Choose your plan

Create your personal account

There were problems creating your account.

Username Login can't be blank

Email Address

You will occasionally receive account related emails. We promise not to share your email with anyone.

Unlimited collaborators
Unlimited public repositories

- ✓ Great communication
- ✓ Friction-less development
- ✓ Open source community

シンプルな半角英数が良いぞ！

とりあえず無料プランで！これで登録完了！

Welcome to GitHub

You've taken your first step into a larger world, @watsonson.

Completed
Set up a personal account

Step 2:
Choose your plan

Step 3:
Go to your dashboard

Choose your personal plan

Plan	Cost	Private repos	Action
Large	\$50/month	50	Choose
Medium	\$22/month	20	Choose
Small	\$12/month	10	Choose
Micro	\$7/month	5	Choose
Free	\$0/month	0	Chosen

Each plan includes:

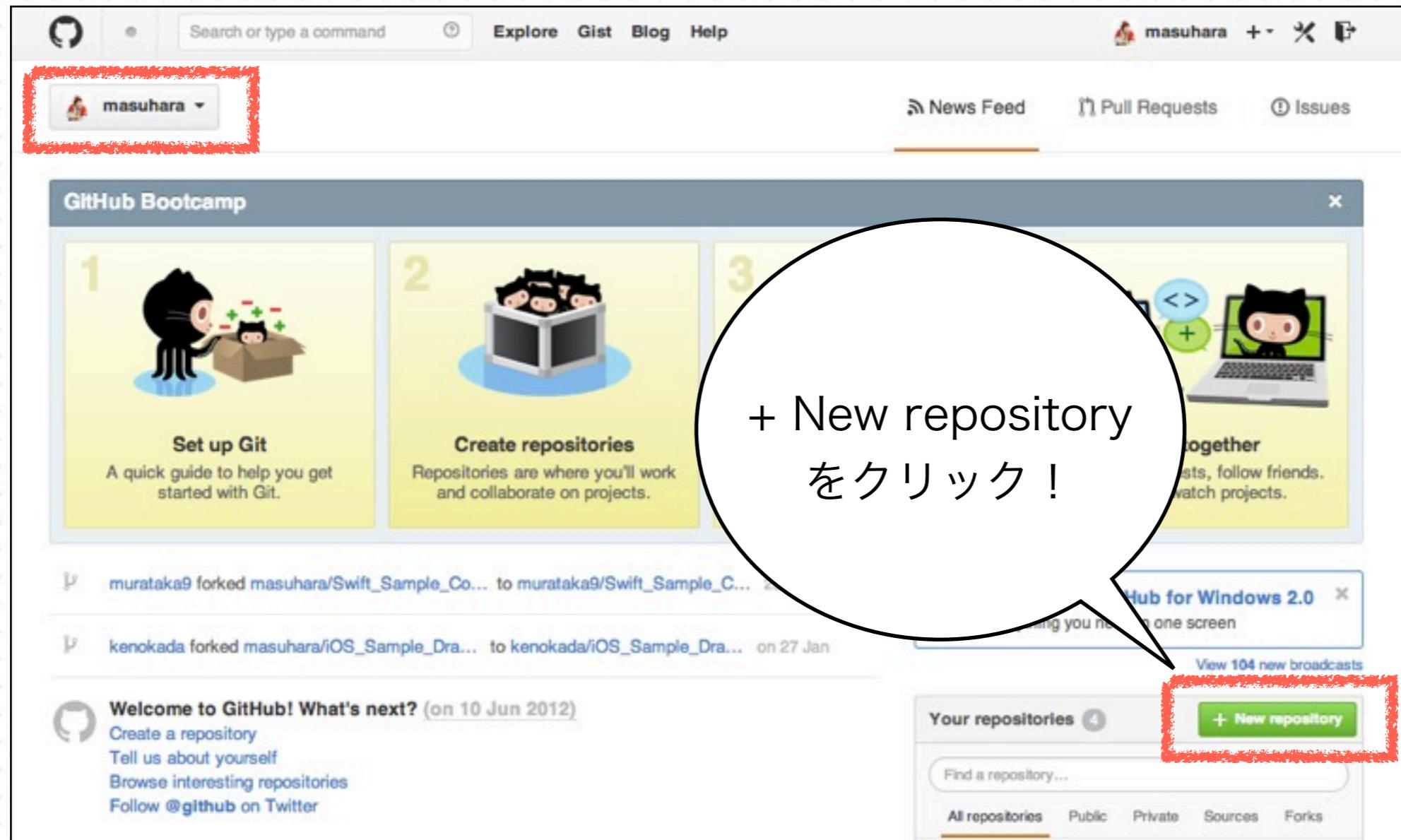
- Unlimited collaborators
- Unlimited public repositories
- ✓ Free setup
- ✓ SSL Protection
- ✓ Email support
- ✓ Wikis, Issues, Pages, & more

Don't worry, you can cancel or upgrade at any time.

※有料プランにすると「プライベートレポジトリ」が使えます。

新しい「レポジトリ」を作ろう！

「レポジトリ(Repository)」とは、ソフトウェアの倉庫のこと！
ここに過去のバージョンのソフトやコードや履歴など、いろんな情報を入れていくよ！



新しい「レポジトリ」を作ろう！

「レポジトリ(Repository)」とは、ソフトウェアの倉庫のこと！
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The screenshot shows the GitHub interface for creating a new repository. A yellow box highlights the 'Owner' dropdown set to 'masuhara'. A red box highlights the 'Repository name' field containing 'TestApp'. A callout bubble points to this field with the text: 'レポジトリ名をきめます。アプリをアップロードするので、アプリ名などがよいでしょう。半角英数で書きましょう。' A yellow box labeled '「Public」を選択' highlights the 'Public' radio button. A red box highlights the 'Description (optional)' field containing 'This is a Test application. Please use it.' A callout bubble points to this field with the text: 'このレポジトリの説明文を書きます。世界中の人がこのレポジトリにアクセスできるので、英語で書いておくと、世界の役に立てるかも！？' A red box highlights the 'Create repository' button at the bottom. A yellow box labeled 'とりあえずチェックは入れない' highlights the 'Initialize this repository with a README' checkbox. The footer includes links for Terms, Privacy, Security, Contact, Status, API, Training, Shop, Blog, and About.

「Public」を選択

レポジトリ名をきめます。
アプリをアップロードするので、
アプリ名などがよいでしょう。
半角英数で書きましょう。

このレポジトリの説明文を書きます。
世界中の人がこのレポジトリにアクセス
できるので、英語で書いておくと、
世界の役に立てるかも！？

とりあえずチェックは入れない

Create repository

© 2014 GitHub, Inc. Terms Privacy Security Contact Status API Training Shop Blog About

新しいレポジトリ完成！

The screenshot shows a GitHub repository page for 'masuhara / TestApp'. The top navigation bar includes 'Explore', 'Gist', 'Blog', and 'Help'. The user profile 'masuhara' is shown with 1 unwatched repository and 0 stars. The repository name 'masuhara / TestApp' is displayed with a 'Code' button and a 'Clone' icon. A red box highlights the 'HTTP' tab of the clone URL 'https://github.com/masuhara/TestApp.git'. A callout bubble points to this URL with the Japanese text: 'このURLをあとで使うので、このページまできたら一旦ブラウザを開いたまま置いておこう。' (Save this URL for later use; once you're done here, leave the browser open). The 'Issues' and 'Pull Requests' sections are also visible on the right.

Quick setup — if you've done this kind of thing before

Set up In Desktop • HTTP SSH https://github.com/masuhara/TestApp.git

We recommend every repository include a README, LICENSE, and .gitignore

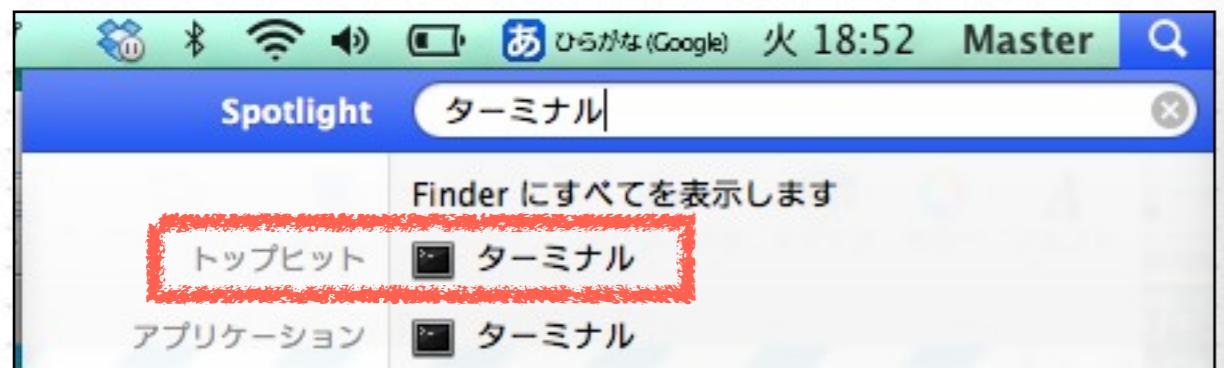
Create a new repository on the command line

```
touch README.md  
git init  
git add README.md  
git commit -m "first commit"  
git remote add origin https://github.com/masuhara/TestApp.git  
git push -u origin master
```

Push an existing repository from the command line

Code Issues Pull Requests Settings

ターミナルを開こう！



The screenshot shows a terminal window titled 'Master — bash — 80x24'. The window has three colored buttons (red, yellow, green) in the title bar. The terminal itself is dark-themed and displays the following text:

```
Last login: Tue Jun 10 18:54:11 on ttys000  
-bash: rbenv: command not found  
Masuhara:~ Master$
```

プログラマーっぽくて
カッコイイね！(^^)♪

★ターミナルのデザインを変えたい時は、ツールバーの「ターミナル」から、環境設定→Preferenceで変えられるよ！

まずは事前チェック★

以下の3つのコマンドを試し、git・macports・homebrewが入っているか確認して、入っていない
ければGoolgeで調べて最新版をDLしよう！

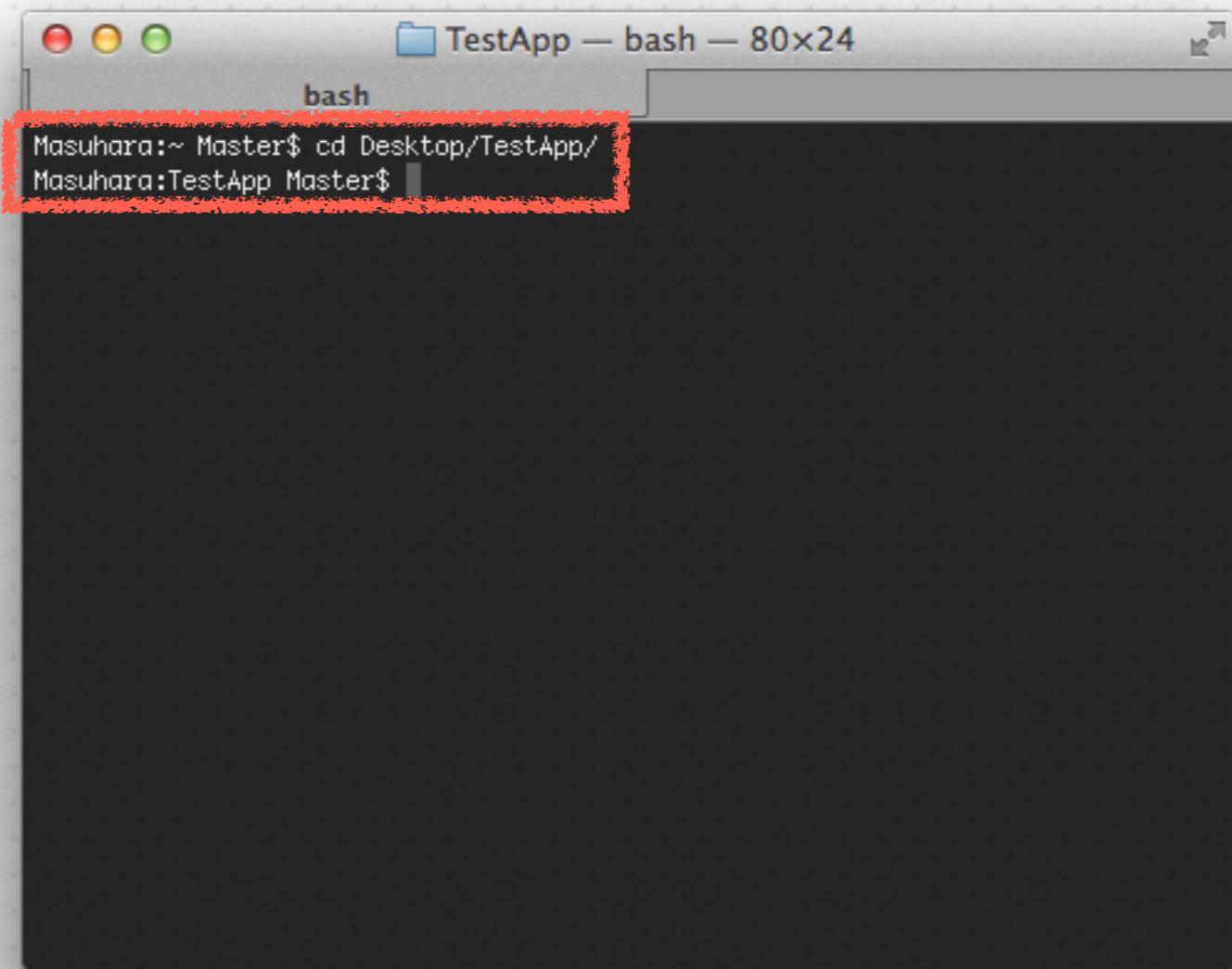
which git

which port

which brew

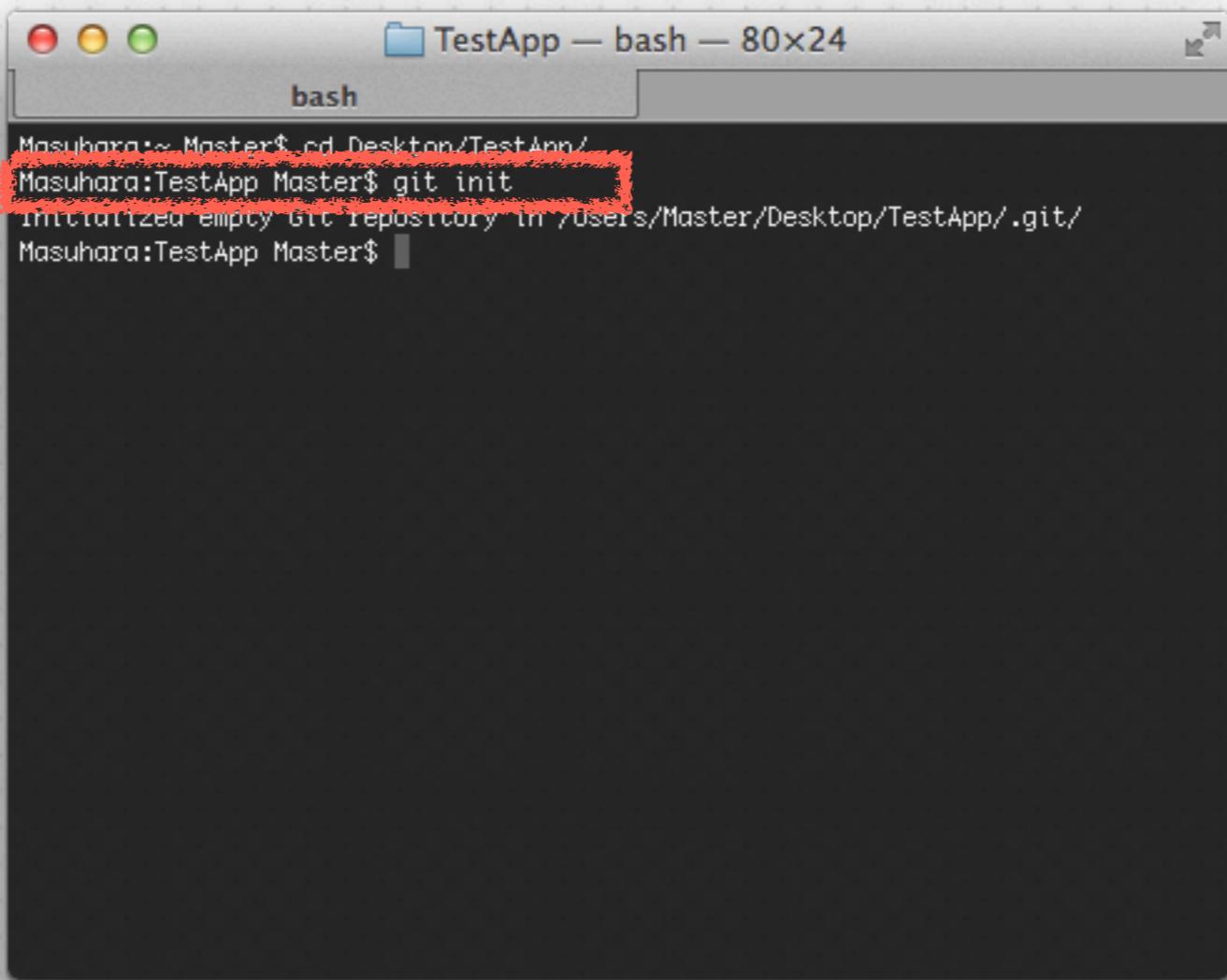
参考：<http://qiita.com/kenjingoo/items/f742acb11d669ad09ba2>

ディレクトリ移動しよう



「cd」コマンドを使って、
githubのレポジトリに追加したいアプリの場所まで移動するぞ！
【動作】 cd Desktop/アプリの名前→enterキーを押す

gitを初期化(git init)

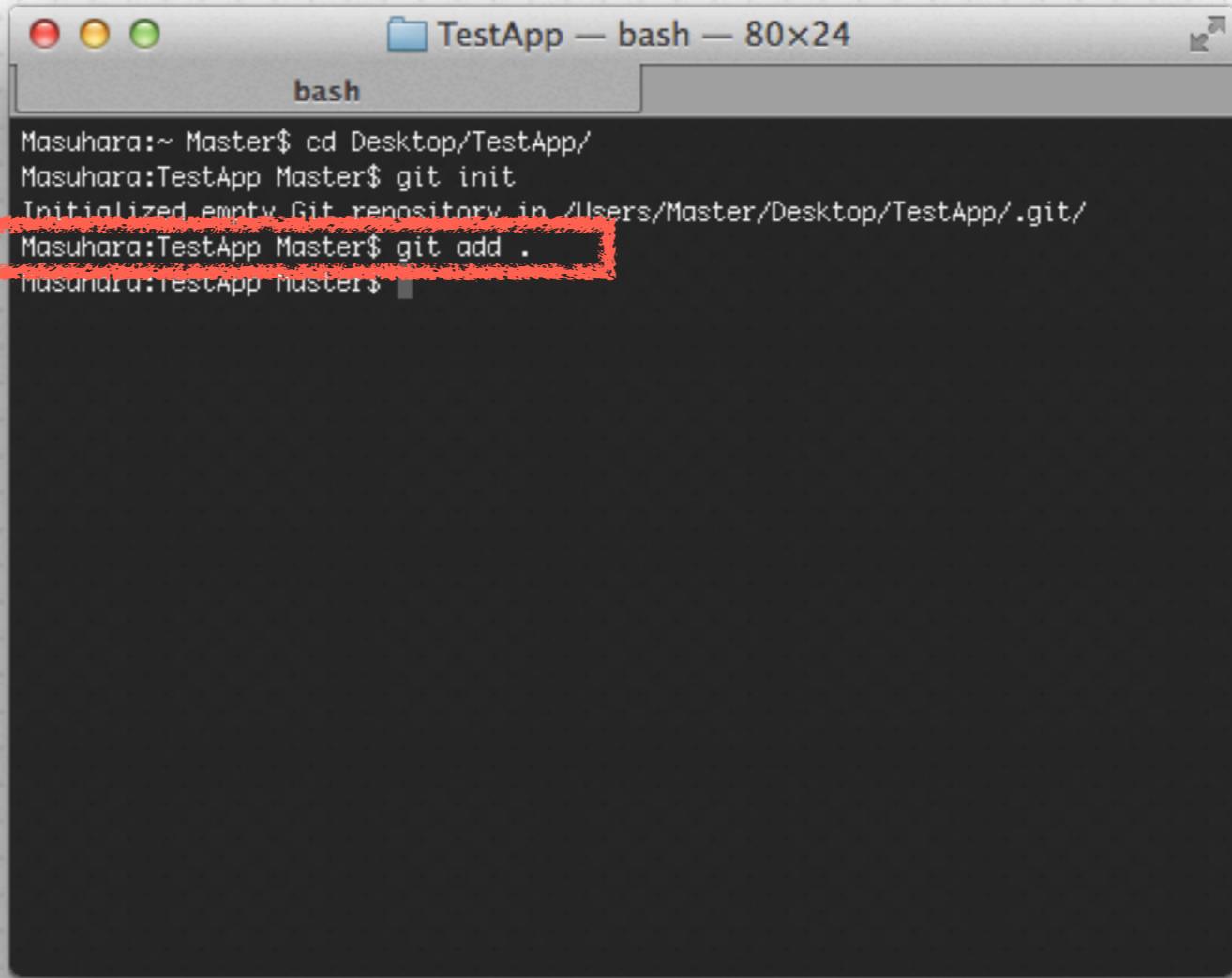


```
Masuhara:~ Master$ cd Desktop/TestApp/  
Masuhara:TestApp Master$ git init  
Initialized empty Git repository in /Users/Master/Desktop/TestApp/.git/  
Masuhara:TestApp Master$
```

「git init」 コマンドを使って、そのアプリの場所にgit環境を作るよ！

【動作】 git initと入力してenterキーを押す。そうすると上記のような画面に。

プロジェクト内の全てのファイルを加える git add .

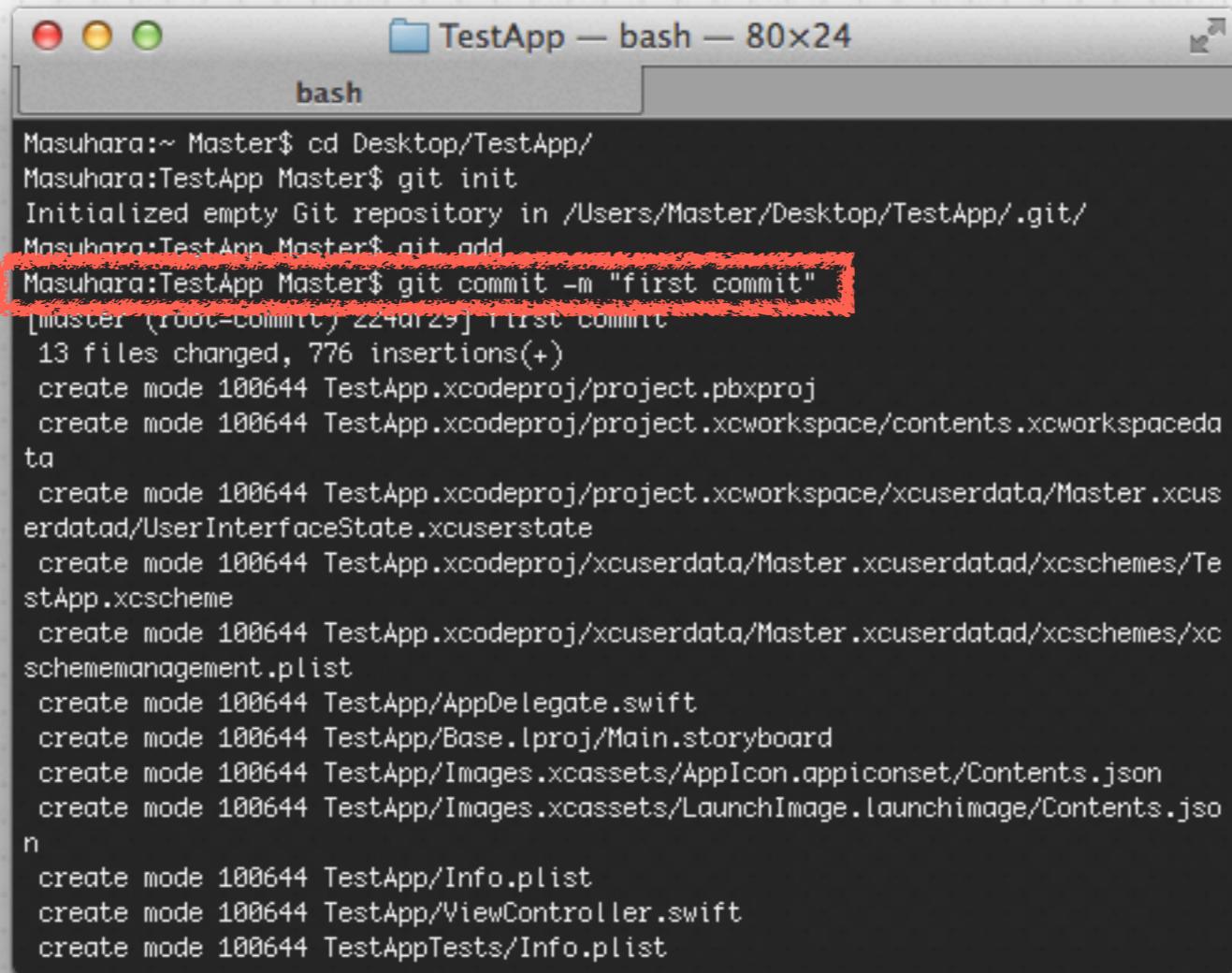


```
Masuhara:~ Master$ cd Desktop/TestApp/
Masuhara:TestApp Master$ git init
Initialized empty Git repository in /Users/Master/Desktop/TestApp/.git/
Masuhara:TestApp Master$ git add .
Masuhara:TestApp Master$
```

A screenshot of a macOS terminal window titled "TestApp — bash — 80x24". The window shows a command-line session. The user has run "cd Desktop/TestApp/" followed by "git init", which initialized an empty Git repository in the specified directory. The user then typed "git add ." at the prompt. The ".git" folder and its contents are now tracked by Git. The line "git add ." is highlighted with a red rectangular box.

「git add .」 コマンドを入力してみよう！addのあとには半角スペースが入るので注意
【動作】 git add . を入力して、enter。

レポジトリに変更の記録などを残す「git commit」



```
Masuhara:~ Master$ cd Desktop/TestApp/
Masuhara:TestApp Master$ git init
Initialized empty Git repository in /Users/Master/Desktop/TestApp/.git/
Masuhara:TestApp Master$ git add .
Masuhara:TestApp Master$ git commit -m "first commit"
[master (root-commit) 224a2e] first commit
 13 files changed, 776 insertions(+)
 create mode 100644 TestApp.xcodeproj/project.pbxproj
 create mode 100644 TestApp.xcodeproj/project.workspace/contents.xcworkspacedata
 create mode 100644 TestApp.xcodeproj/project.workspace/xcuserdata/Master.xcus
 erdataad/UserInterfaceState.xcuserstate
 create mode 100644 TestApp.xcodeproj/xcuserdata/Master.xcuserdataad/xcschemes/Te
 stApp.xcscheme
 create mode 100644 TestApp.xcodeproj/xcuserdata/Master.xcuserdataad/xcschemes/xc
 schememanagement.plist
 create mode 100644 TestApp/AppDelegate.swift
 create mode 100644 TestApp/Base.lproj/Main.storyboard
 create mode 100644 TestApp/Images.xcassets/AppIcon.appiconset/Contents.json
 create mode 100644 TestApp/Images.xcassets/LaunchImage.launchimage/Contents.jso
 n
 create mode 100644 TestApp/Info.plist
 create mode 100644 TestApp/ViewController.swift
 create mode 100644 TestAppTests/Info.plist
```

「git commit -m “ここにメッセージ”」コマンドを入力しよう！
レポジトリに記録を残すぞ！今回はテストなのでとりあえず「first commit」
というメッセージを記録してみよう！

ここまでできれば
あとはXcode上で操作できます！

★gitの細かい説明(プライベートレポジトリやリモート・ローカルの考え方、Bitbucketの使い方など)は別の教科書で行います！

Gitについてもう少しイジってみたい人は...

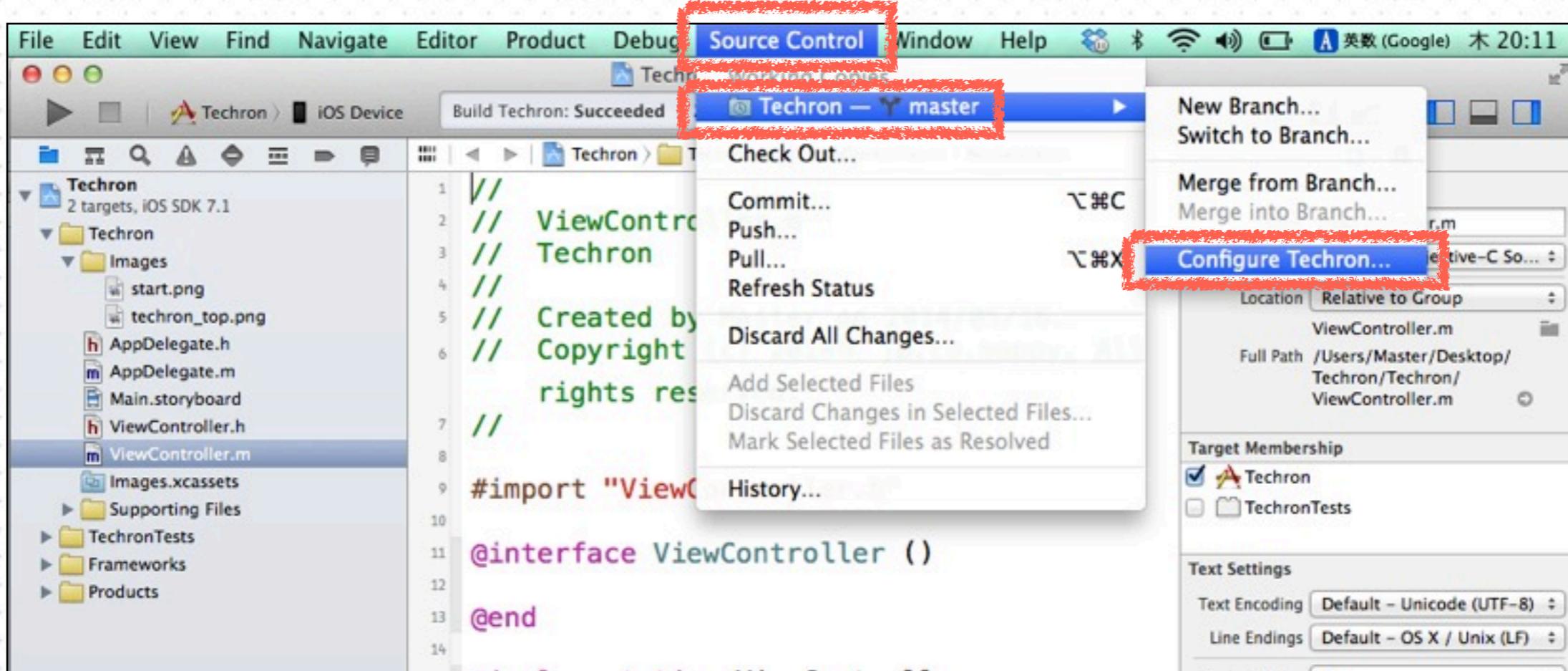
「サルでもできるGit入門」

http://www.backlog.jp/git-guide/intro/intro1_1.html

「今さら聞けないXcodeのバージョン管理」

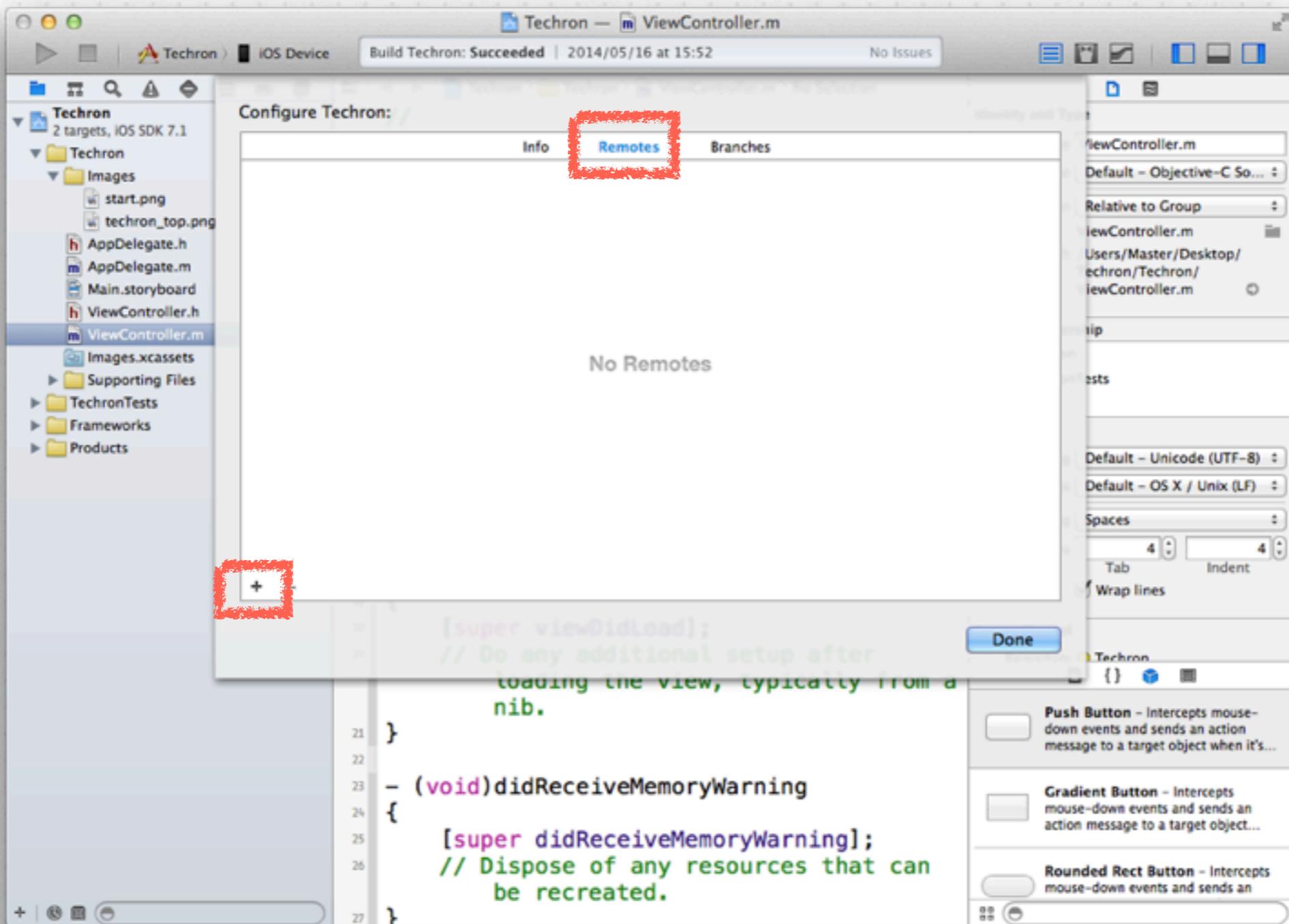
http://www.backlog.jp/git-guide/intro/intro1_1.html

レポジトリに保存するプロジェクトを開きます



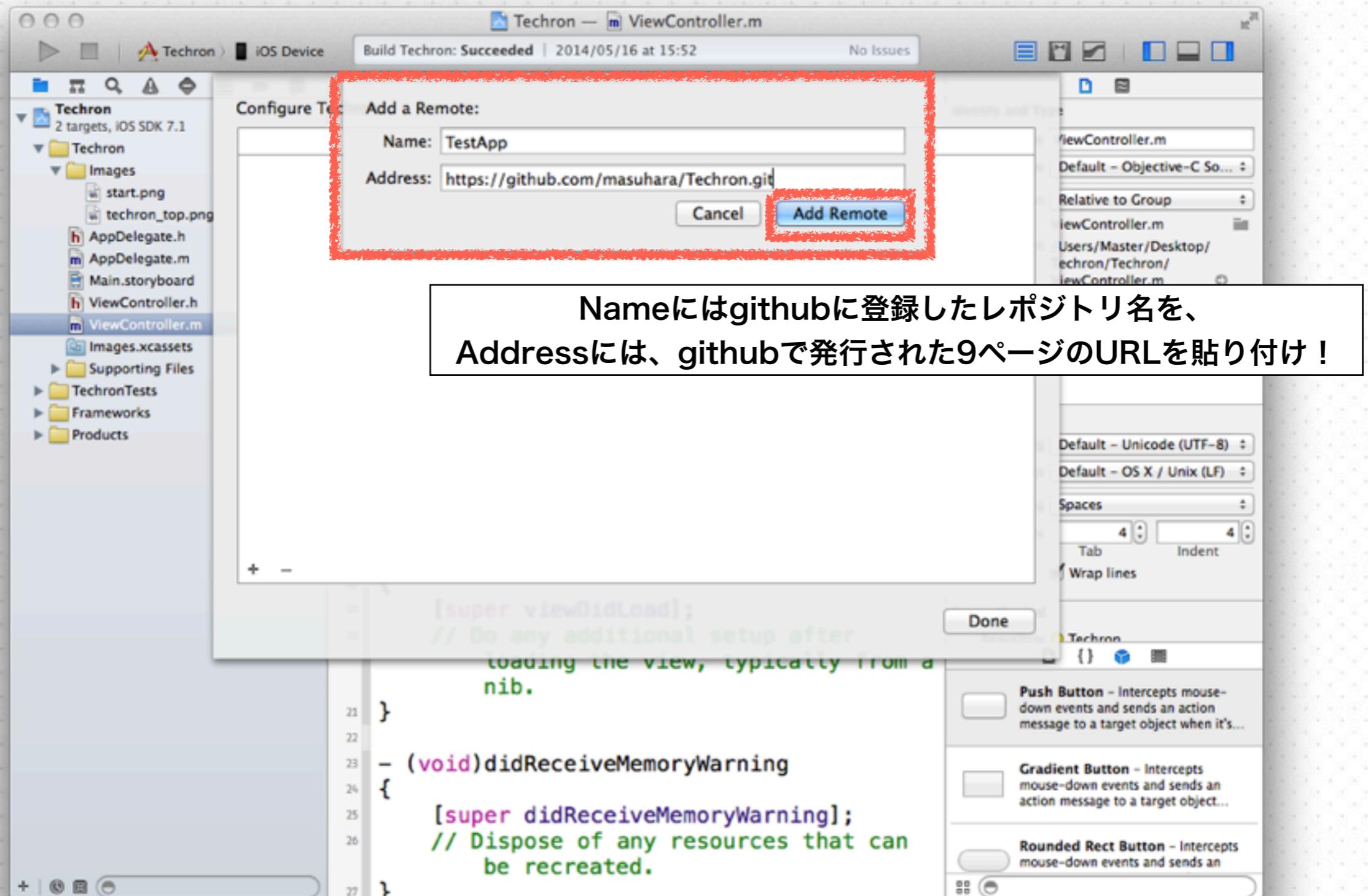
すでに開いていた場合は、一度Xcodeを閉じてXcodeを再起動してみよう。

リモートに追加します。

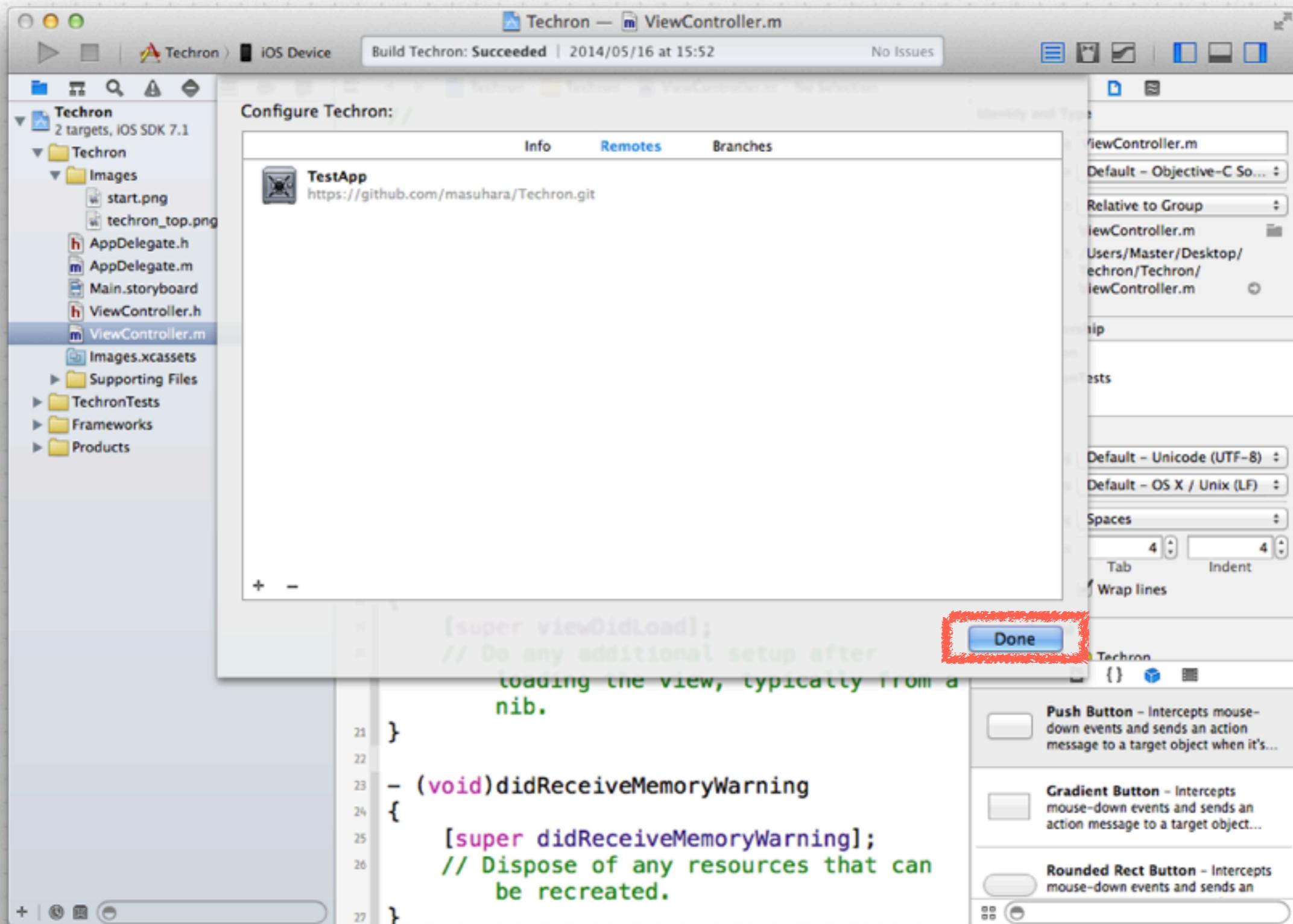


「Remote」を選択して、「+」ボタンを押します。
リモート、とは「遠くに離れている」という意味だね！
どこか遠くにある「github」にファイルを送ってしまおう！

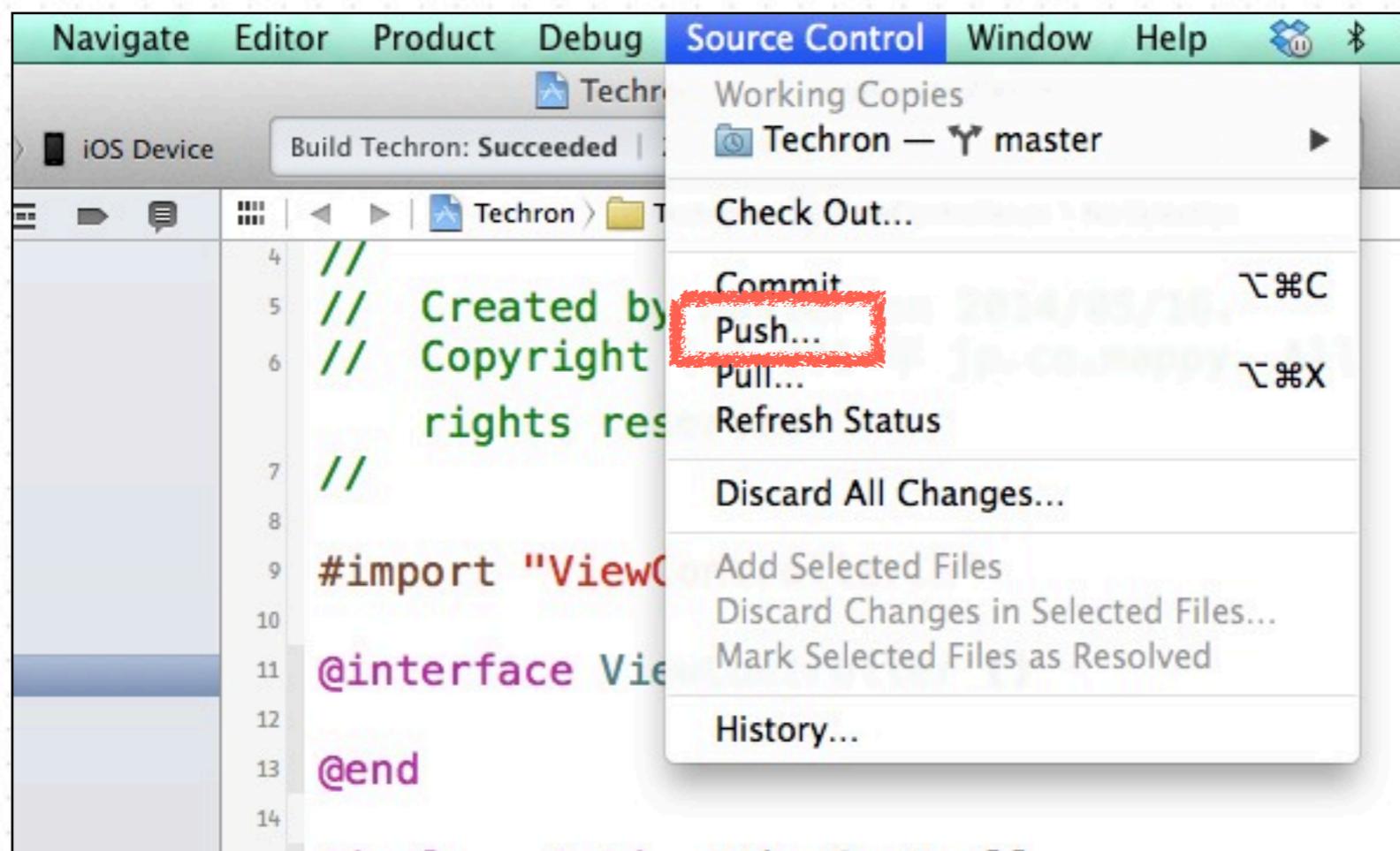
Nameには8ページ目で指定した名前をつけよう



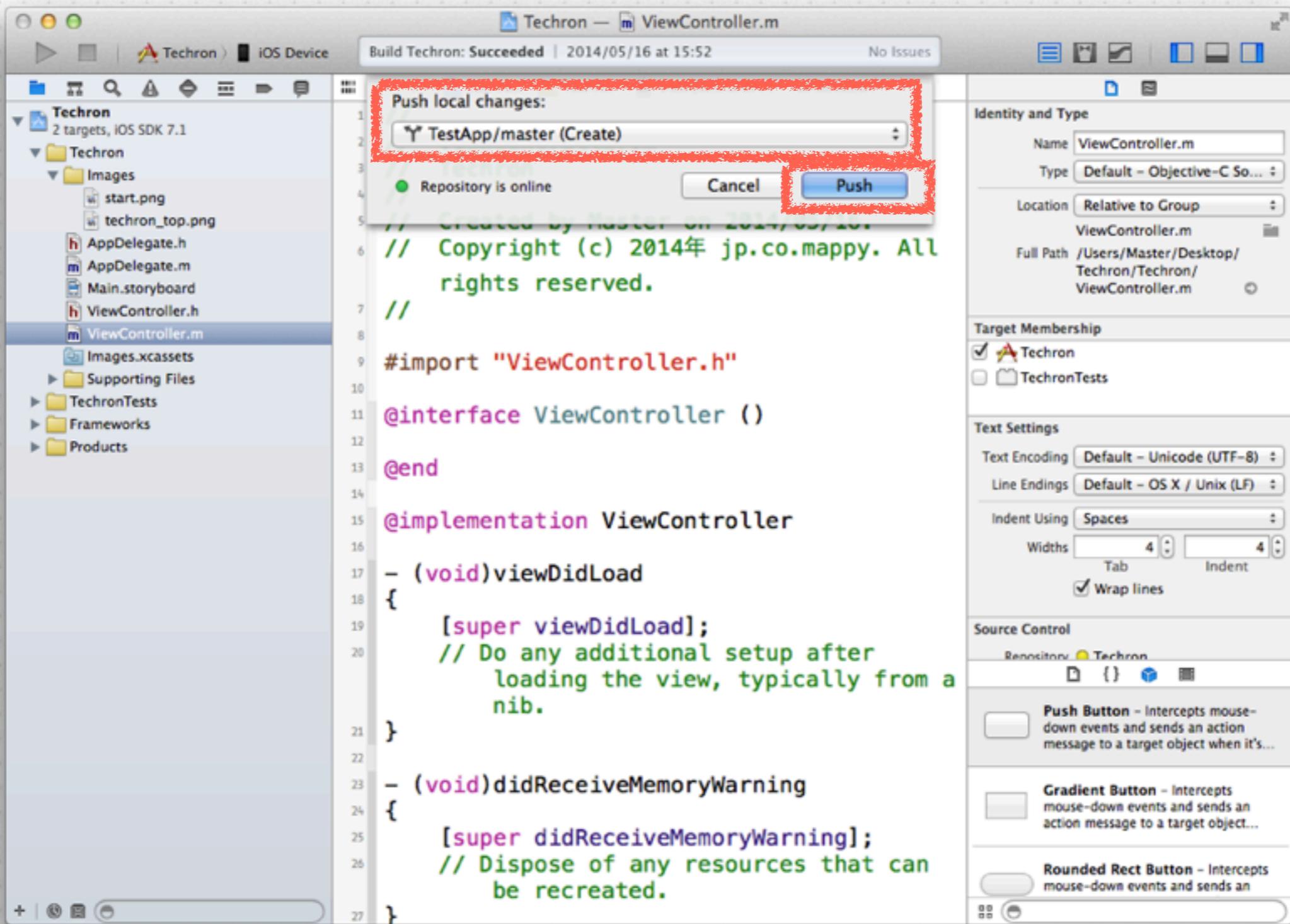
こうなったらOK！



「Push」をクリック！！



レポジトリを選択して「Push」！！



Githubに自分のアプリがUpされていたら大成功！！

The screenshot shows a GitHub repository page for 'masuhara / Techron'. The repository is public and has 2 commits, 1 branch, 0 releases, and 1 contributor. The master branch is selected. The commit history shows four commits: 'first commit' by MasuharaDaisuke, 'Techron.xcodeproj', 'Techron', and 'TechronTests', all made 10 minutes ago. A message encourages adding a README, with a 'Add a README' button. The right sidebar includes links for Issues (0), Pull Requests (0), Wiki, Pulse, Graphs, Network, and Settings. It also shows the HTTPS clone URL: <https://github.com/masuhara/Techron>.

PUBLIC masuhara / Techron

Description Website

Short description of this repository Website for this repository (optional) Save or cancel

2 commits 1 branch 0 releases 1 contributor

branch: master Techron / +

first commit

MasuharaDaisuke authored 10 minutes ago latest commit f4bfd96194

Techron.xcodeproj first commit 10 minutes ago

Techron first commit 12 minutes ago

TechronTests first commit 12 minutes ago

We recommend adding a README to this repository to help give people an overview of your project. Add a README

HTTPS clone URL
https://github.com/masuhara/Techron

You can clone with HTTPS, SSH, or Subversion.

Clone in Desktop