

Creating my new Xcode Project with Git

Creating a repository

First thing, you must have a empty repository.

- Go into your GitHub account and **create a repository**.

Create a new repository

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

Owner: runys

Repository name: XcodeProject ✓

Great repository names are short and memorable. Need inspiration? How about [laughing-sniffle](#).

Description (optional): This repository is for educational purposes with Xcode 9.1 and iOS 11.

☒ 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

- Remember to create the repository **with the gitignore** file.

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 ⓘ

.gitignore

swift

Swift

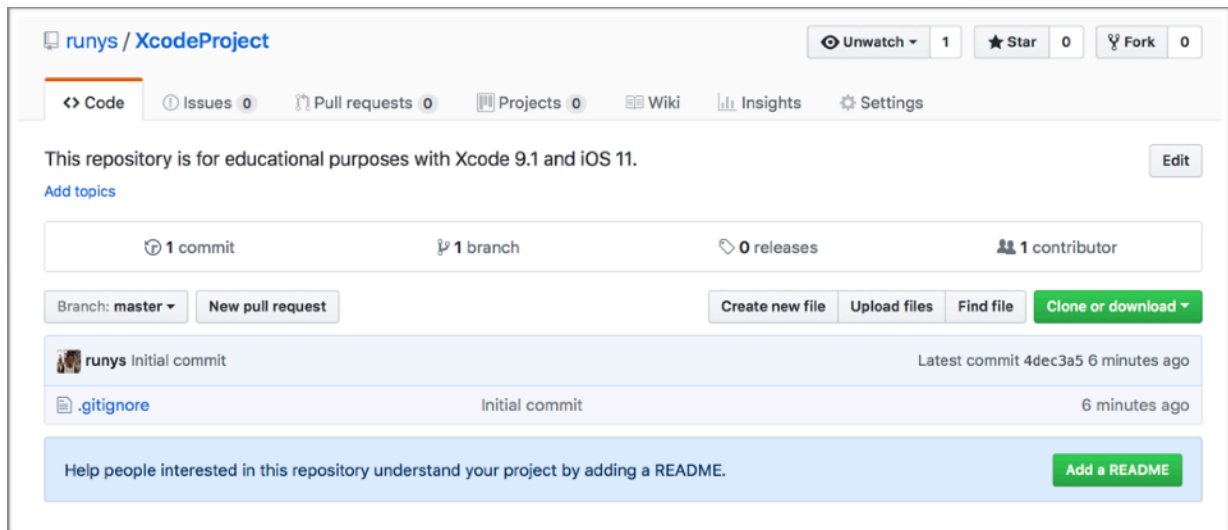
Initialize this repository with a README
This will let you immediately clone the repository to your computer.

Add .gitignore: Swift Add a license: None ⓘ

Create repository

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Your repository must look like this one now:

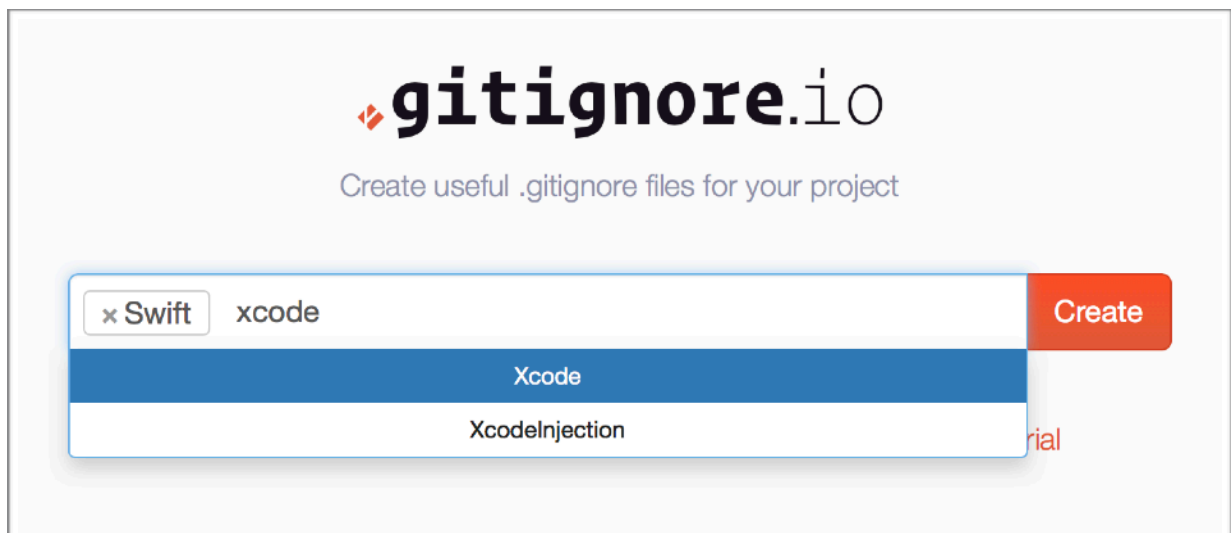


Now you have a repository with a default .gitignore file for swift. The next step is adding the necessary settings for ignoring the default Xcode configuration files in the .gitignore file.

Adding Xcode configurations to the .gitignore file

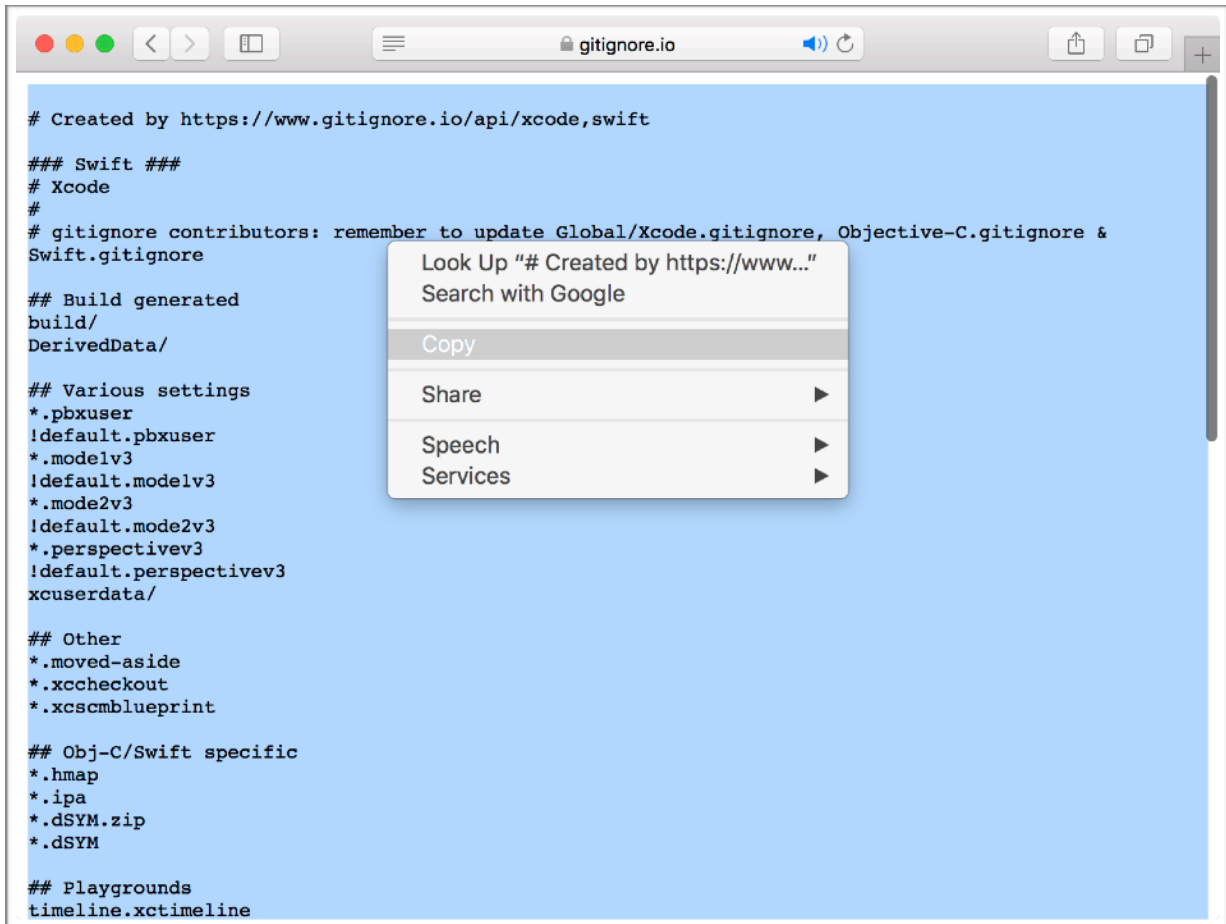
Go to the site www.gitignore.com. This site is a repository with a lot of .gitignore settings ready to use. We are going to copy the default setting to ignore Swift and Xcode configuration files and local files.

Search for Swift and Xcode.



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Copy all the text in the page.



```
# Created by https://www.gitignore.io/api/xcode,swift

### Swift ###
# Xcode
#
# gitignore contributors: remember to update Global/Xcode.gitignore, Objective-C.gitignore & Swift.gitignore

## Build generated
build/
DerivedData/

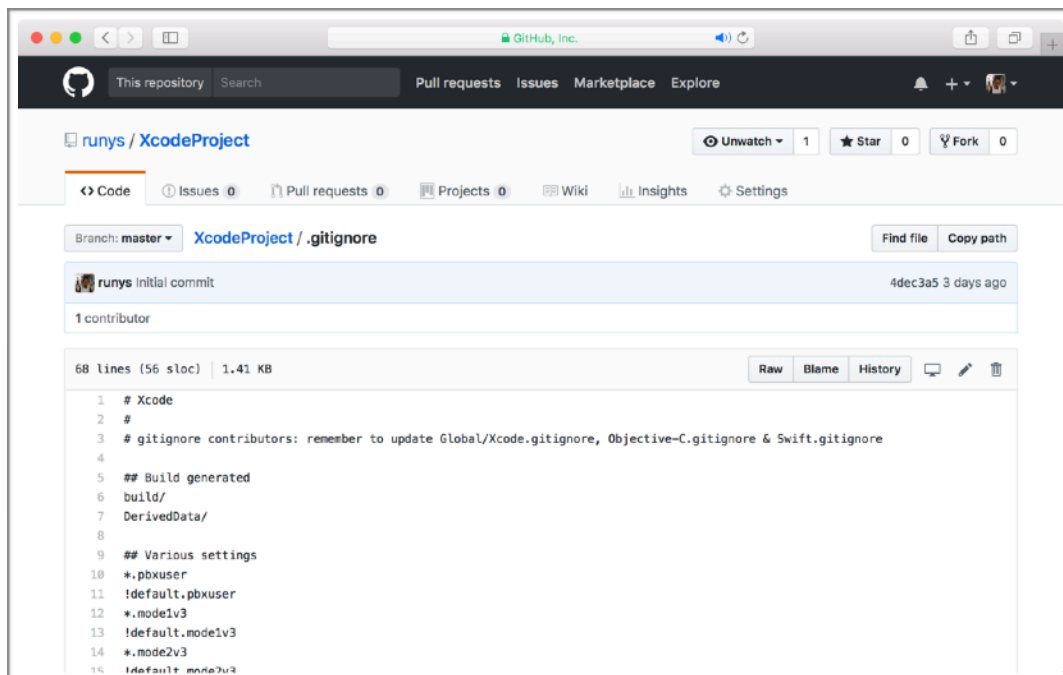
## Various settings
*.pbxuser
!default.pbxuser
*.modelv3
!default.modelv3
*.mode2v3
!default.mode2v3
*.perspectivev3
!default.perspectivev3
xcuserdata/

## Other
*.moved-aside
*.xccheckout
*.xcscmblueprint

## Obj-C/Swift specific
*.hmap
*.ipa
*.dSYM.zip
*.dSYM

## Playgrounds
timeline.xctimeline
```

Now lets go back to your repository page and select the .gitignore file.



runys / XcodeProject

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Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

Branch: master XcodeProject / .gitignore Find file Copy path

runys Initial commit 4dec3a5 3 days ago

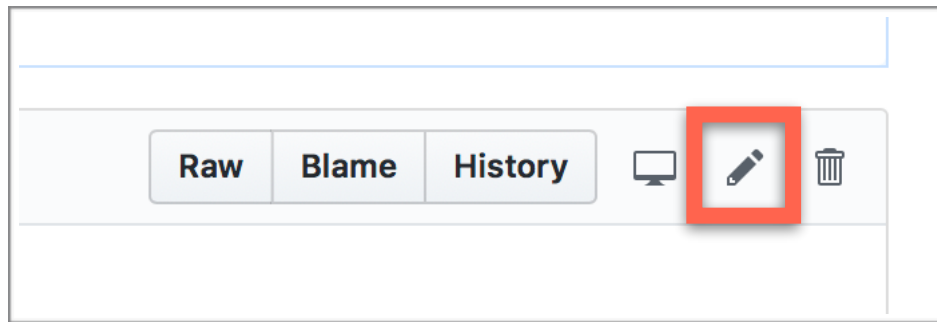
1 contributor

68 lines (56 sloc) 1.41 KB Raw Blame History

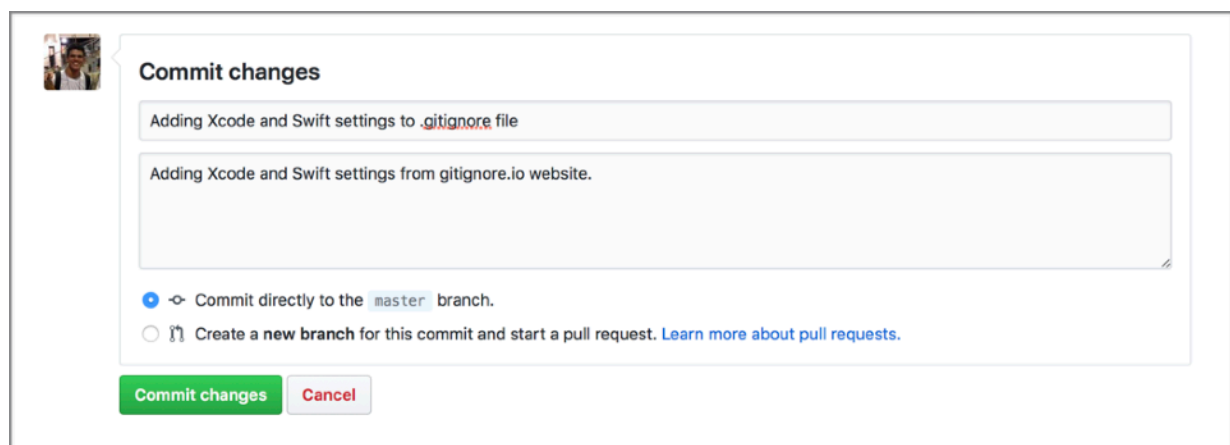
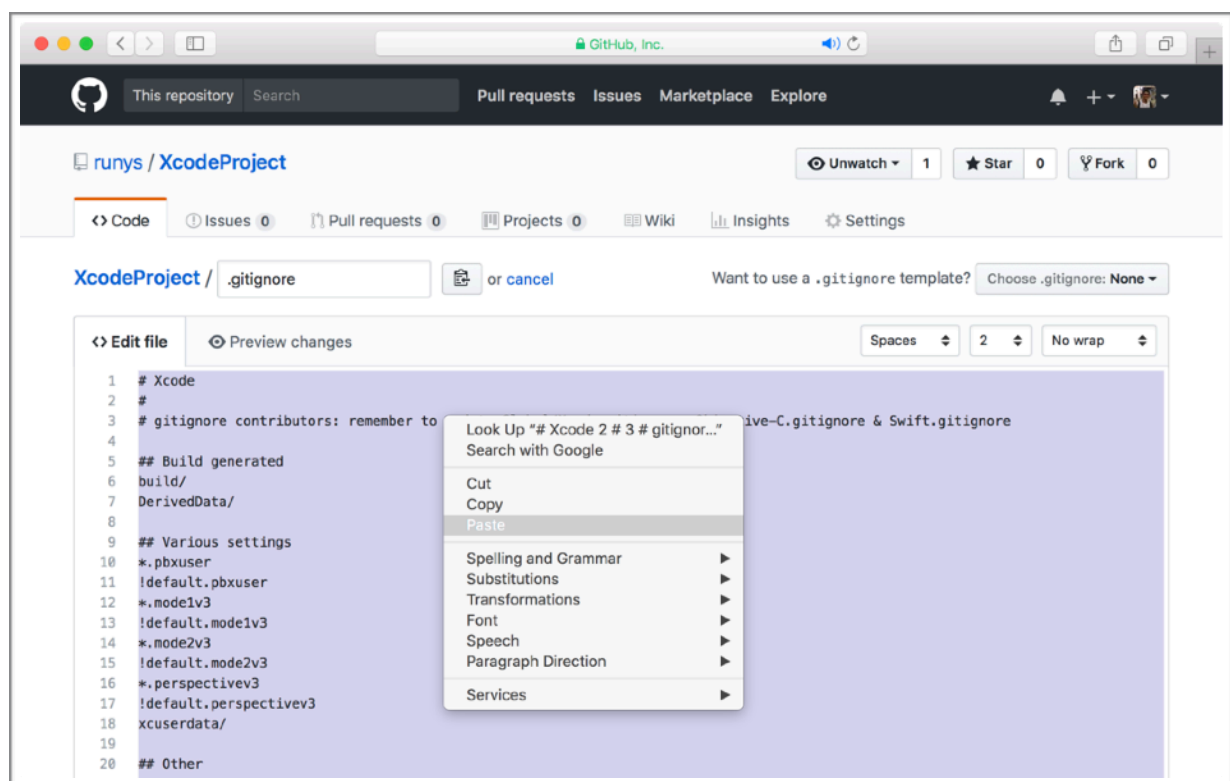
```
1 # Xcode
2 #
3 # gitignore contributors: remember to update Global/Xcode.gitignore, Objective-C.gitignore & Swift.gitignore
4
5 ## Build generated
6 build/
7 DerivedData/
8
9 ## Various settings
10 *.pbxuser
11 !default.pbxuser
12 *.modelv3
13 !default.modelv3
14 *.mode2v3
15 !default.mode2v3
```

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Edit the .gitignore file.



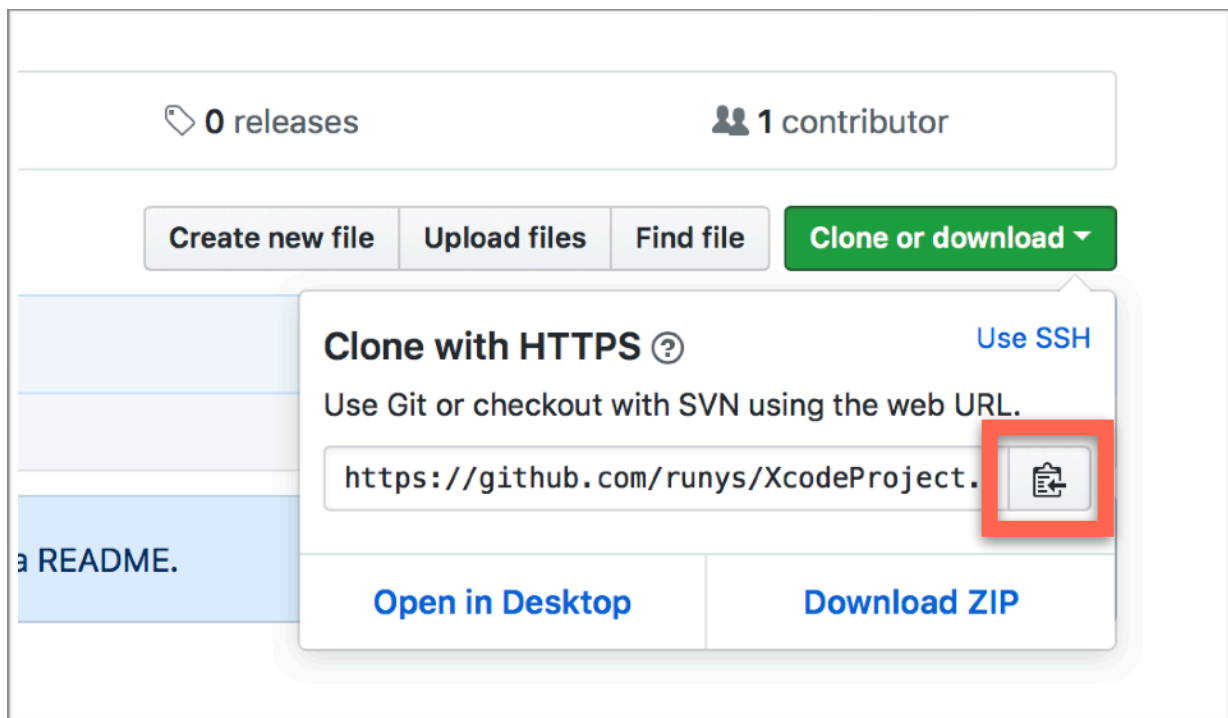
Paste the content and commit the changes.



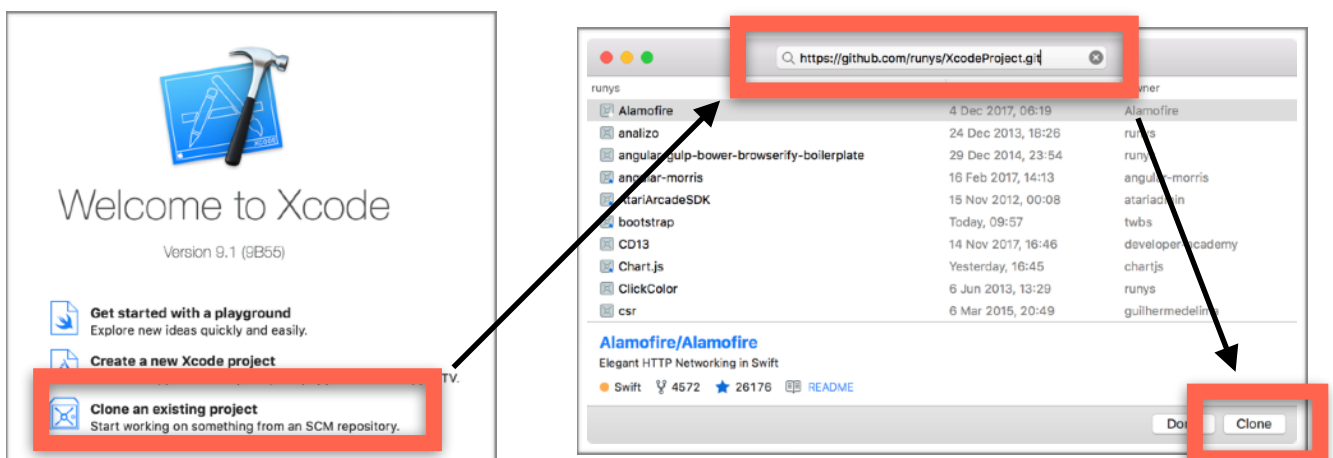
Creating your Xcode project and setting up your repository

Now you have to clone the repository. It means you will download it in your computer.

A repository is basically a folder in your computer. Everything inside this folder will be in your repository.

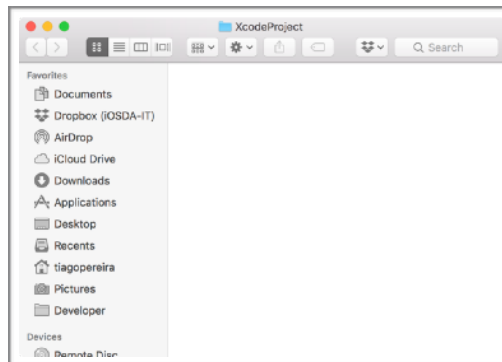


1. Go to your repository and copy the HTTPS link.
2. Open Xcode and choose the **Clone an existing project** option and clone the project in your computer (wherever you like).

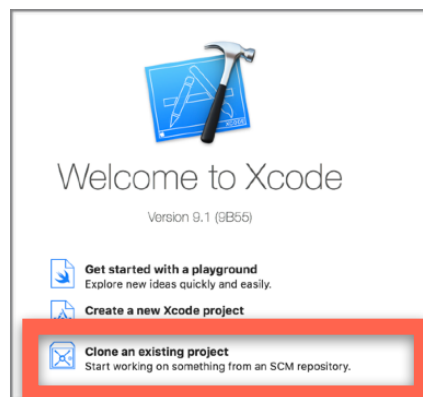


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For now your project will be an empty folder.

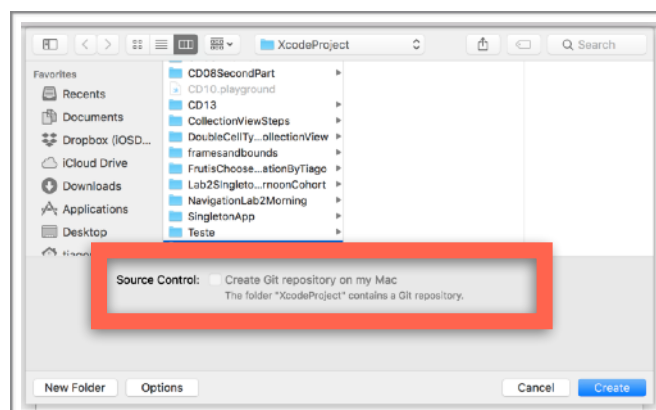


The next step is creating your iOS Xcode Project inside this folder.



When creating your iOS Project you have to save the project inside your repository. So choose your repository folder and create your project inside it.

If you choose the right folder you will see a message under the source control checkbox saying “The folder *FolderName* contains a Git repository.”. This means you selected the right folder 👍.



Now just commit and push the changes and your project is ready to go!

F.A.Q.

Does everybody in my have to do those steps?

No, only one member of the group have to do the initial configuration. After this procedure is done your group only have to clone the repository and start working on the project

What is a .gitignore file?

A gitignore file is a file that says to git which files he doesn't need to keep track. Local configuration files from Xcode and compilation results are examples of files we don't want in our repository.

Can I create the .gitignore file after my first commit?

Yes and no.

Yes, you can create the .gitignore file file after your first commit. But it does not mean the files will be deleted. You will have to delete the configurations files manually to erase them from your repository.

Why I can't see the .gitignore file in Finder?

It is a hidden file, to see it you need to enable seeing hidden files.

Is it the only way to create a .gitignore file?

No, this is one way to do this, but you can do it in a number of different ways. This is just the simplest approach for beginners.

Another way to do this is creating your Xcode project, going in the terminal and creating the .gitignore file using `touch` and editing it with `vim` or `nano`, pasting the content from the gitignore website in it. After this you create the repository on GitHub using the Xcode integration and push your initial commit.