

User Guide to Download and Use App

[Only available for Apple Devices]

Dottie is built using Swift and developed within Xcode, a comprehensive suite of tools that developers use to create apps for Apple platforms. Here are extra documentation regarding each:

1. [Xcode](#)
2. [Swift](#)

System Requirements

Xcode is available for macOS, and the system requirements depend on the version of Xcode used. For the latest version of Xcode (version 16.3), the user's system needs to run on macOS Sequoia 15.2 or later. Swift is built into Xcode and the current version 6.1.

How to check current version:

To find the current version of Xcode on the current computer, go to the terminal and type in the command:

```
/usr/bin/xcodebuild -version
```

(To find the terminal, go to the launchpad of your computer and type in “terminal.” Or you can open spotlight (Command + space bar) and type in “terminal.”)

Typing in this line of command will display something like this:

```
Xcode 16.1
Build version 16B40
```

To check the current version of Swift type in the following command in the terminal:

```
swift -version
```

Typing in this line of command will display something like this:

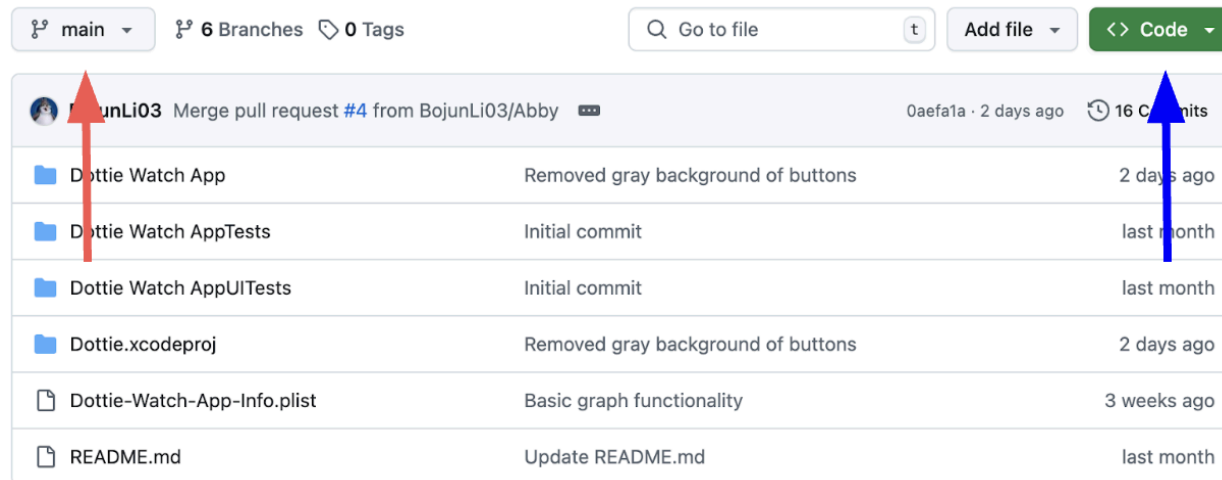
```
swift-driver version: 1.115 Apple Swift version 6.0.2 (swiftlang-6.0.2.1.2 clang
-1600.0.26.4)
Target: arm64-apple-macosx15.0
```

If you do not have Xcode downloaded on the computer, an error message similar to the image below will appear after you type in the command:

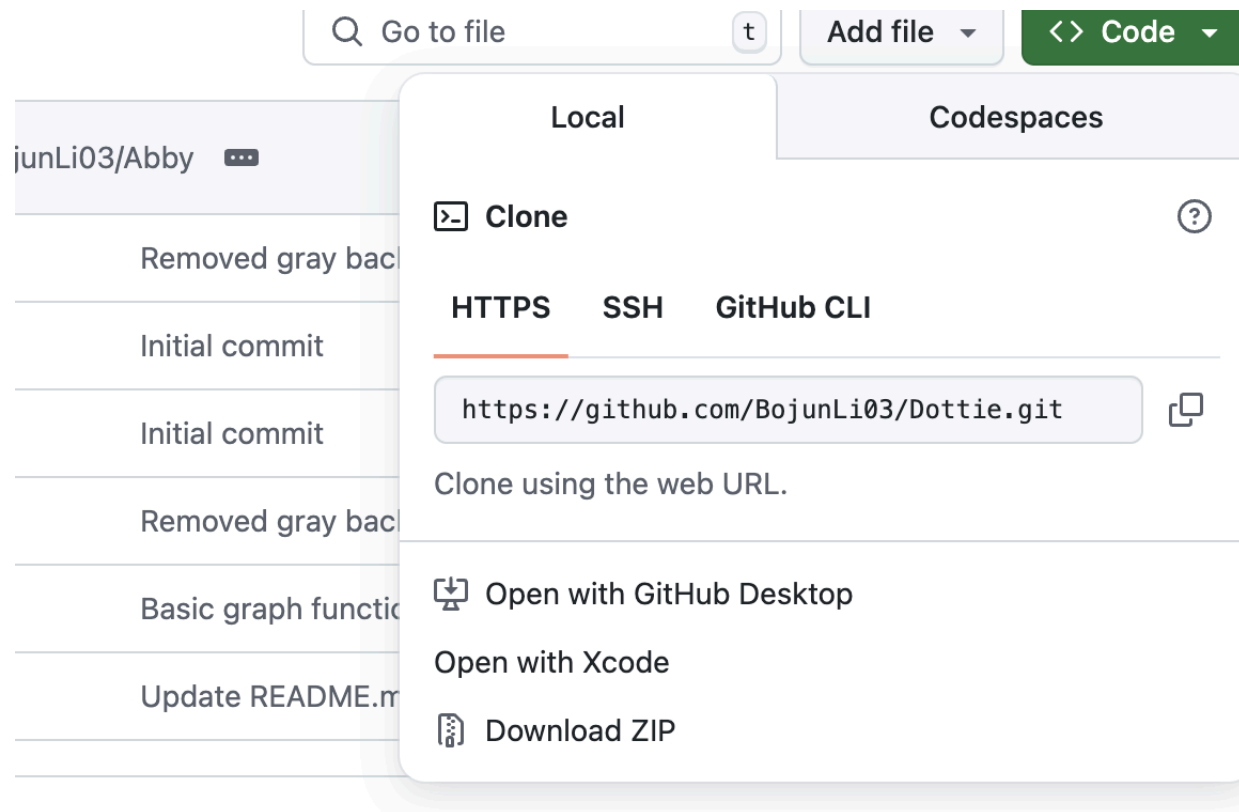
```
Error: xcode-select: error: tool 'xcodebuild' requires Xcode, but active developer directory '/Library/De
veloper/CommandLineTools' is a command line tools instance
```

Downloading App From GitHub

Go to the Github repository here: [Dottie repository](#)



Make sure that the area where the red arrow is pointing to says “main.” This branch (think of it as a version of the app) is the most updated version of Dottie. Then click on the button that says “<> Code” (i.e. where the blue arrow is pointing). You will then get the following screen:



You can directly click on the “Open with Xcode” option. You will get the following pop up screen. Click Open Xcode.

Open Xcode?

https://github.com wants to open this application.

☐ Always allow github.com to open links of this type in the associated app

Cancel

Open Xcode

You will then get this screen:



Clone "Dottie"

Choose a branch to checkout:

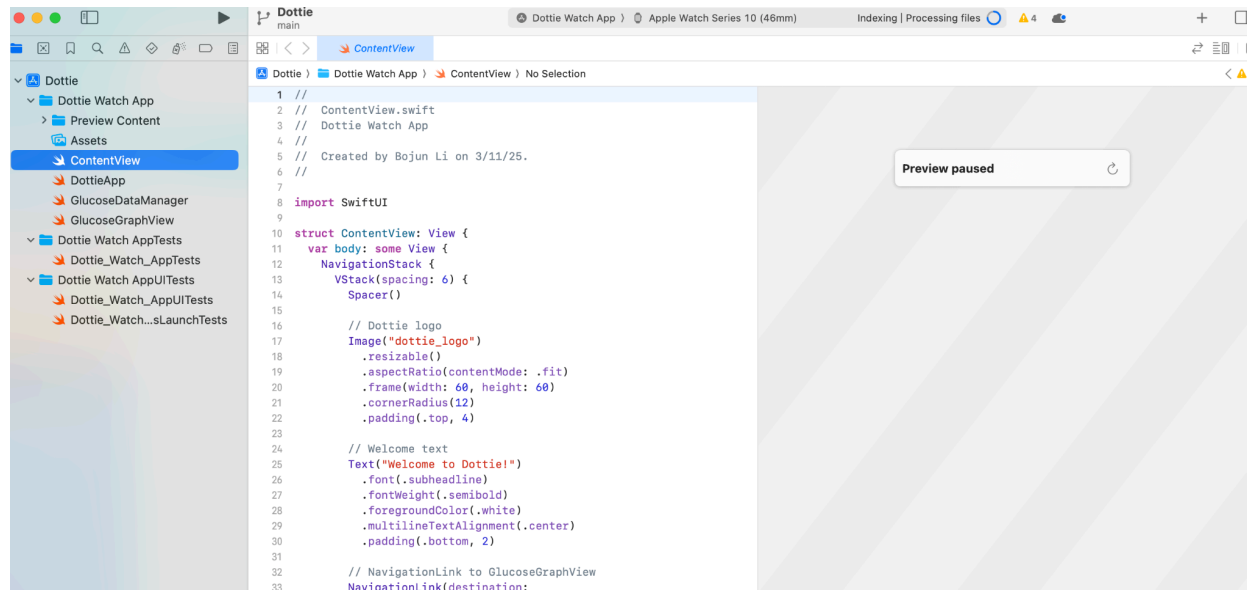
main



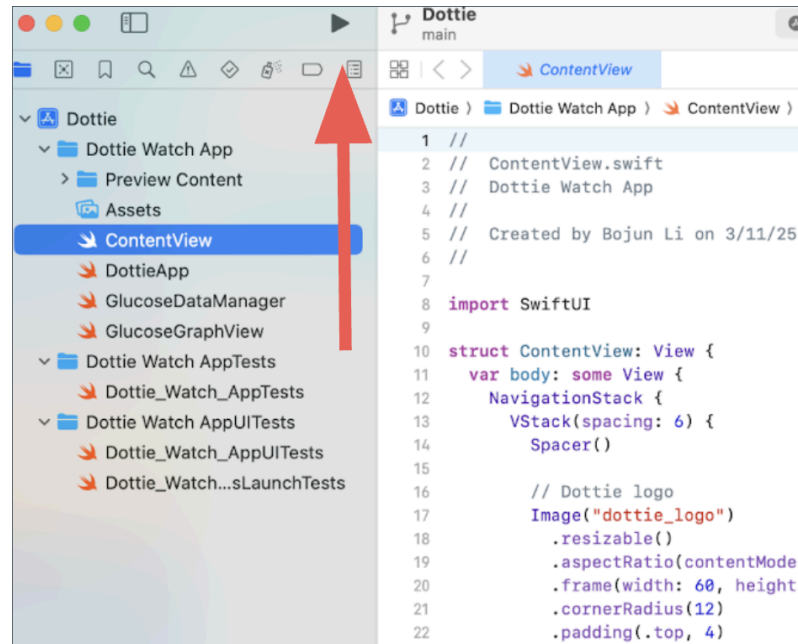
Cancel

Clone

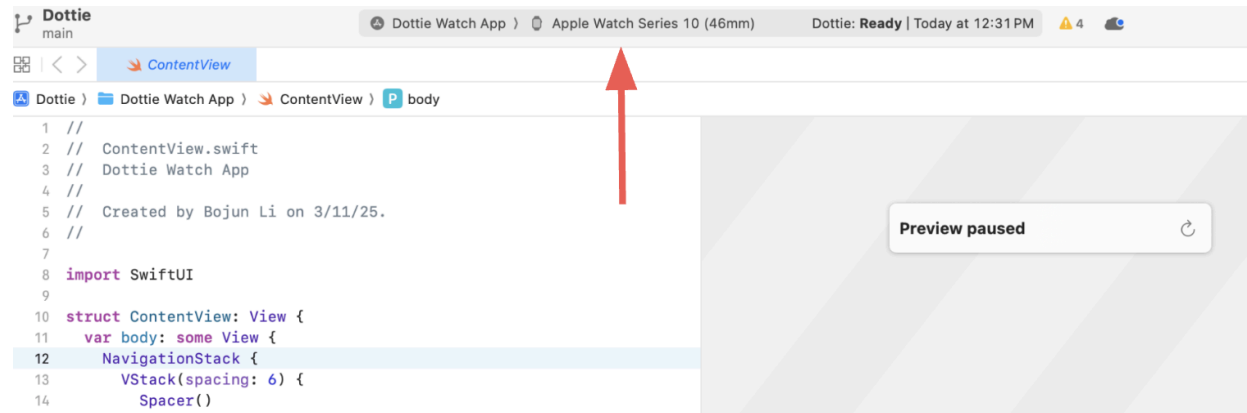
Make sure that "main" is chosen like in the screen and click "Clone". Your finder will then appear. Choose a location to save the app on your computer and click "Clone" again. Open the app and you will see something like this:



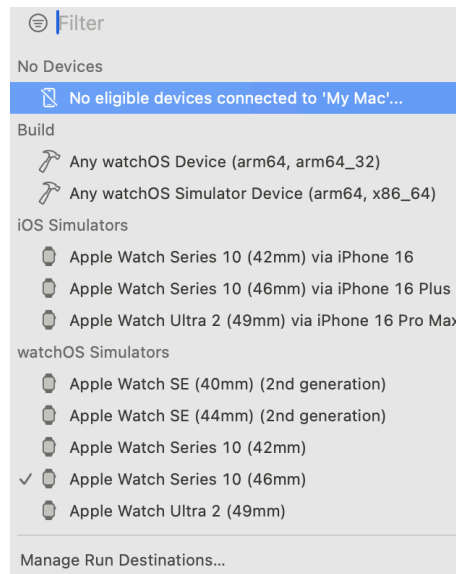
Click on the run button again:



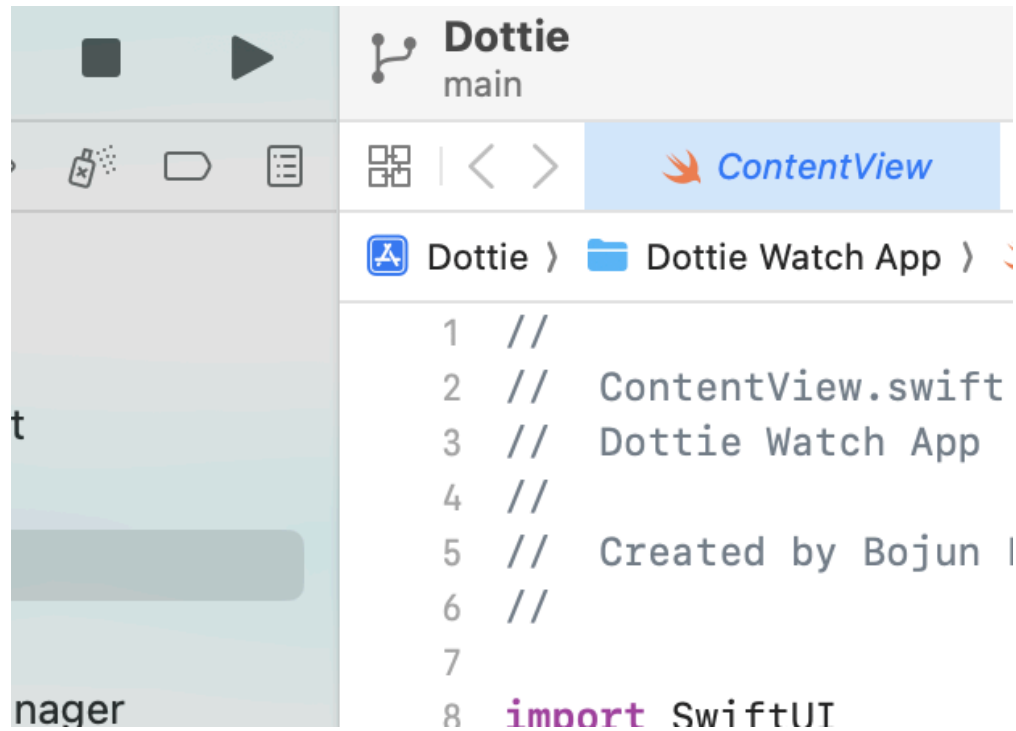
If it is your first time running, you will be prompted to install the WatchOS package. The interface that was used to develop this app was based on the Apple Watch screen. After you install it, go to the top of the screen and select the watch version to display the app.



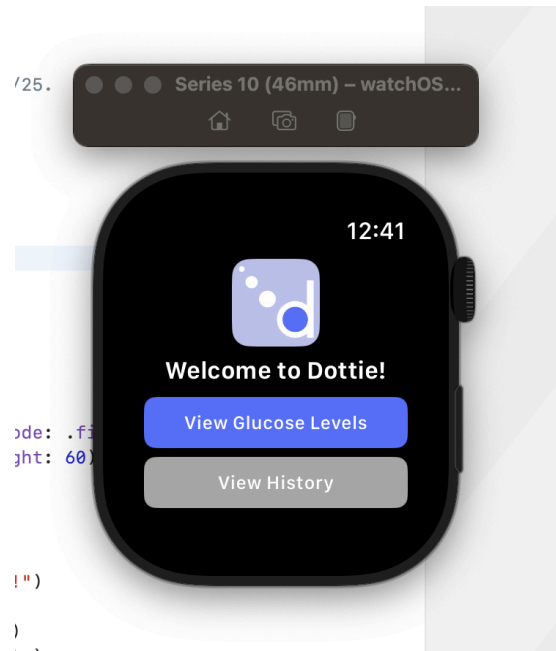
When you click on where the red arrow is pointing, you will get these options. Choose the series you prefer.



Click on the run button again and you will see the pause button next to the play button which indicates that the app is building and loading:



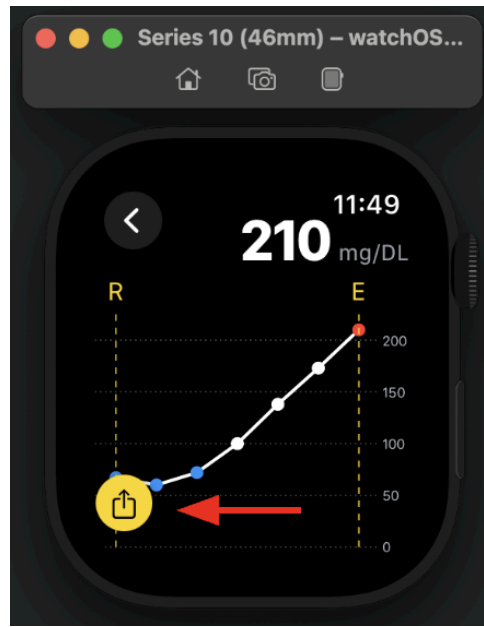
When the app is finished loading, you will see the following stimulator (i.e. watch screen).



The app is successfully downloaded and set up. You're all set to start interacting with it!

Export History to CSV

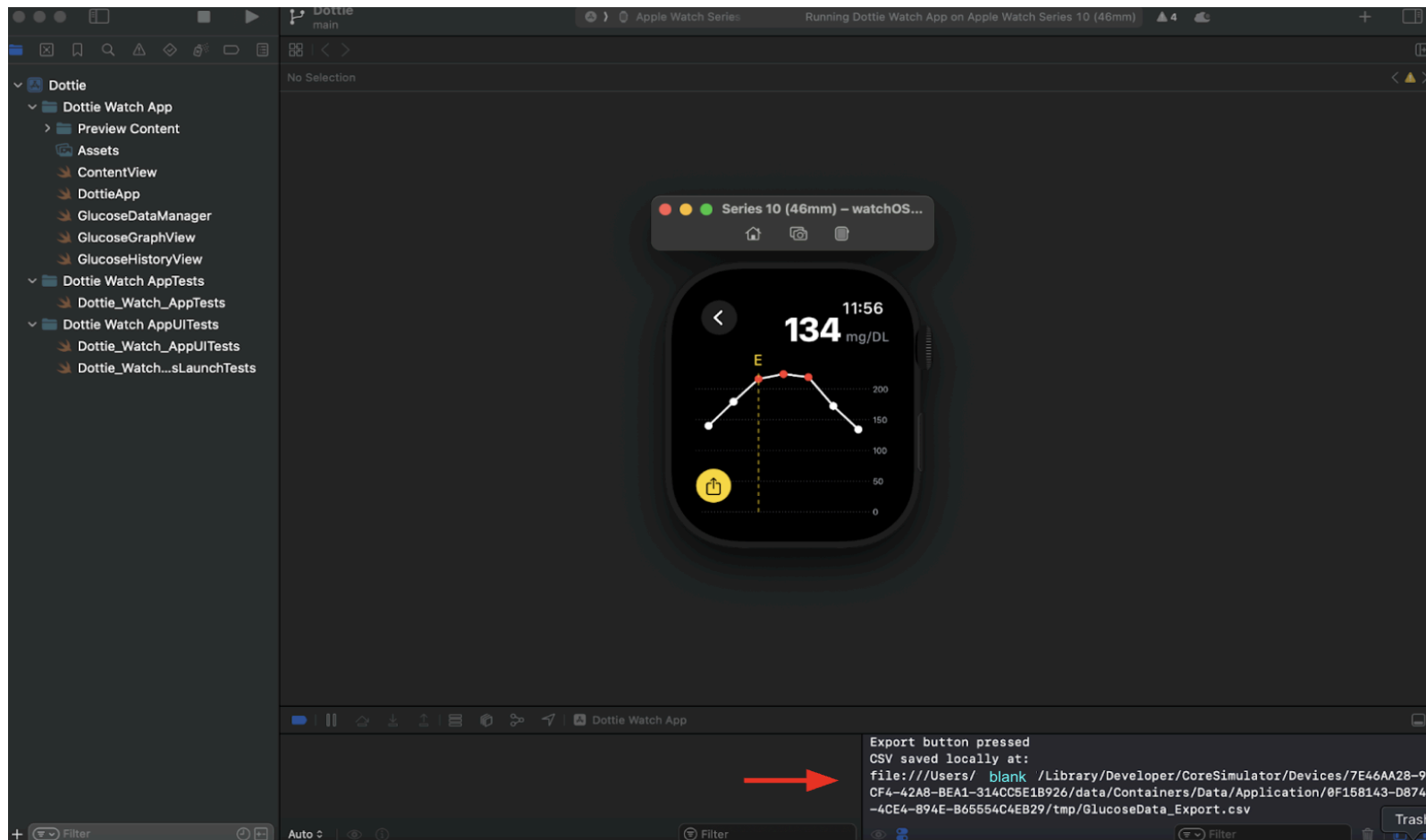
To export history to a csv file, click on the export button on the graph screen indicated by the red arrow:



Once you click the button, a file path should be displayed in the console marked by the red arrow on the following screenshot.

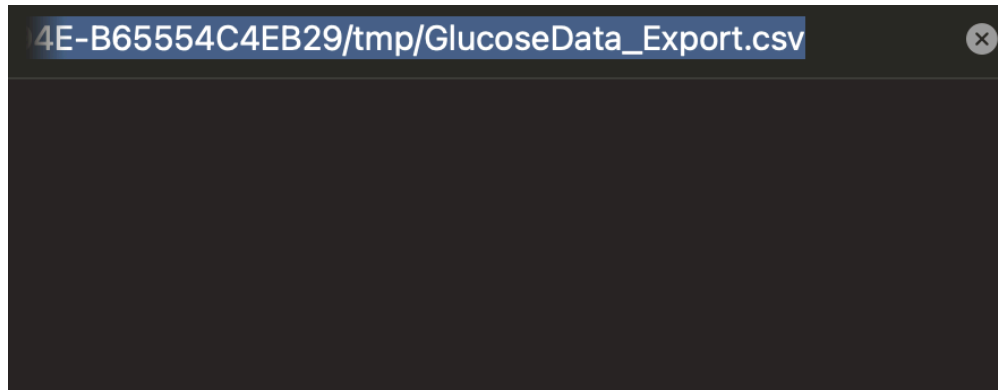
The file path may differ from the screen. The blue “blank” should be the username for your Apple device. Copy the file path to your clipboard starting from /Users so for the following example it would be:

```
/Users/blank/Library/Developer/CoreSimulator/Devices/7E46AA28-9CF4-42A8-BEA1-314CC5E1B926/data/Containers/Data/A  
pplication/0F158143-D874-4CE4-894E-B65554C4EB29/tmp/GlucoseData_Export.csv
```



Go to your finder (where all files such as downloads are stored on your computer). It doesn't matter which folder you are in.

Press *Command + Shift + G*, paste the path, and then press enter:



After pressing enter, the finder will take you directly to where the CSV file is stored.

Note: The path only works once. That means that if the stimulator updates and you try the above method to paste the same CSV file path, it will not work. To solve this issue, stop the stimulator and rerun it (i.e. restart stimulator). Then repeat the steps above in the “**Export History to CSV**” section. Each time you want a new CSV file, a new path must be generated. If pressing enter does not take you to where the file is stored, restart the stimulator.