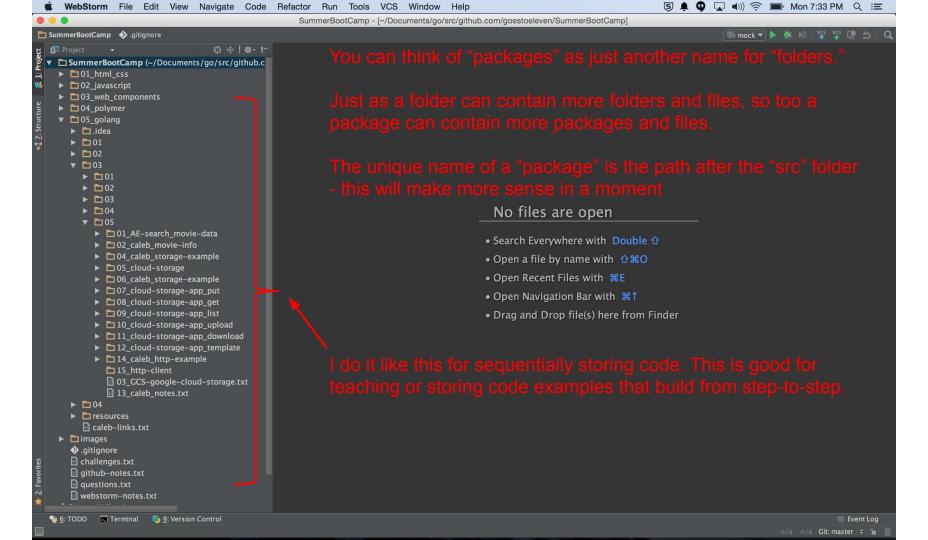
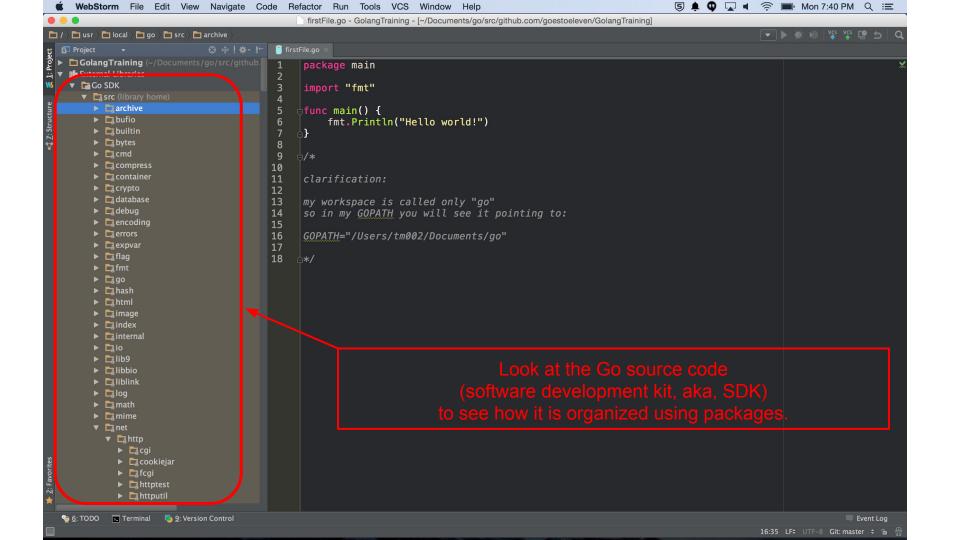
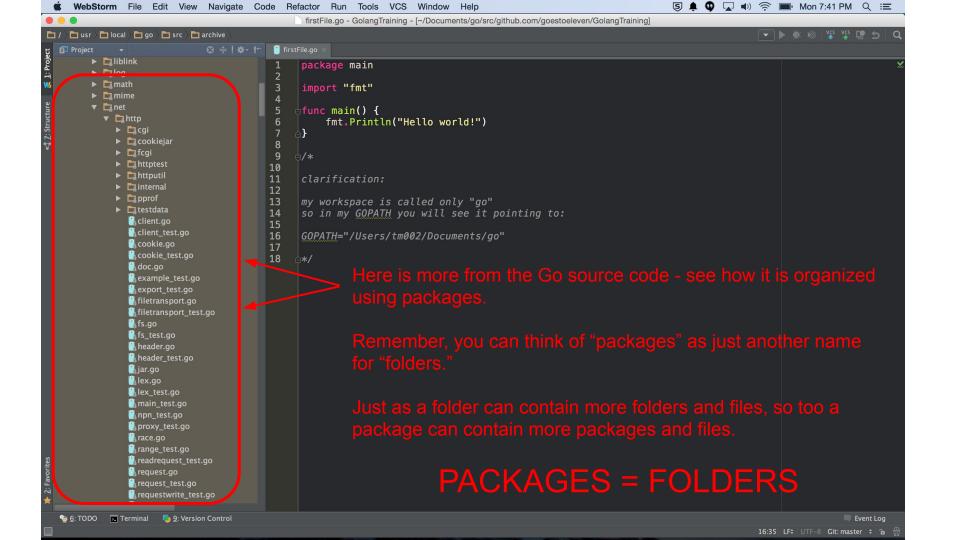
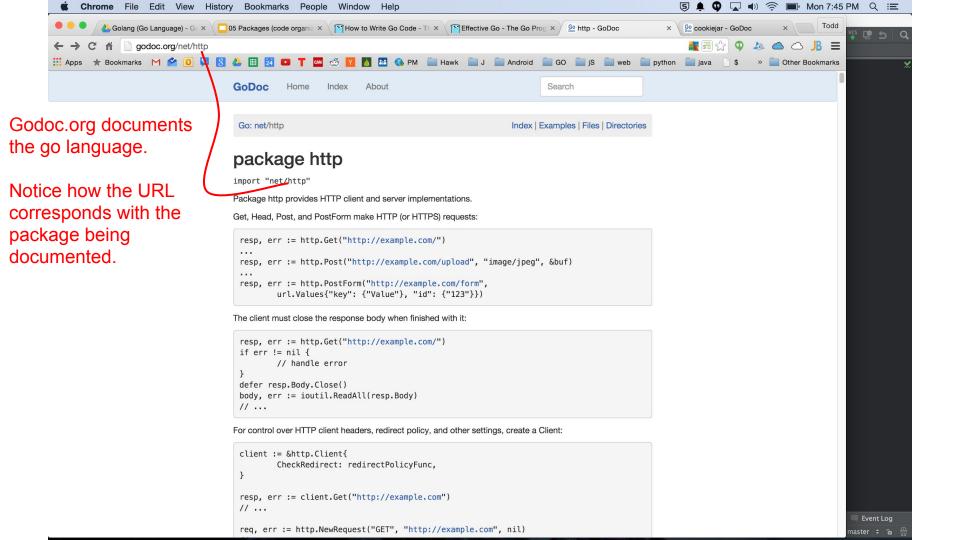
Packages && Docs

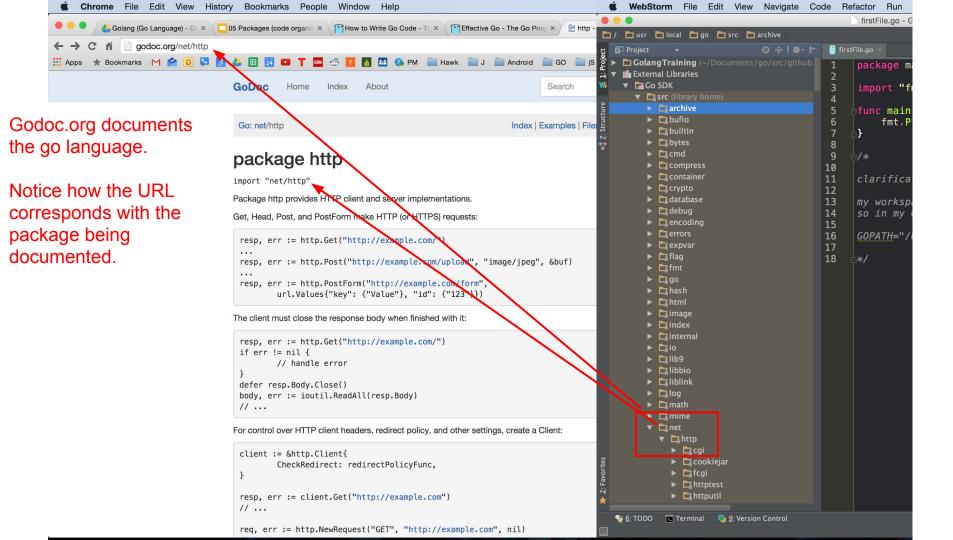
unique namespaces

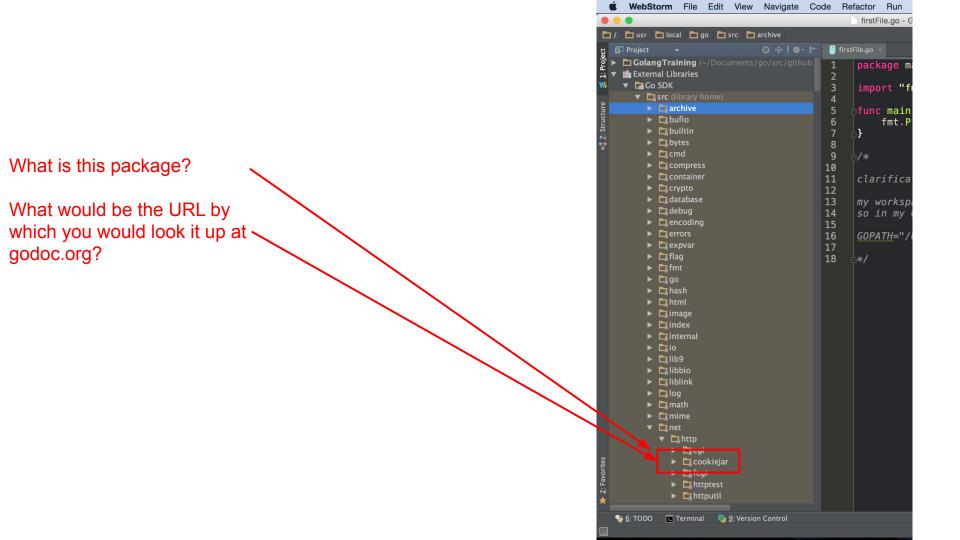


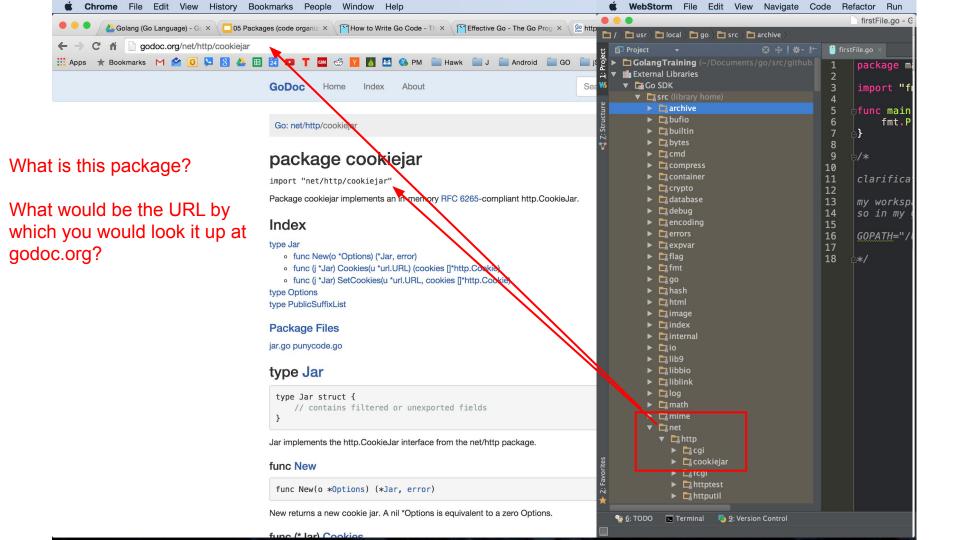


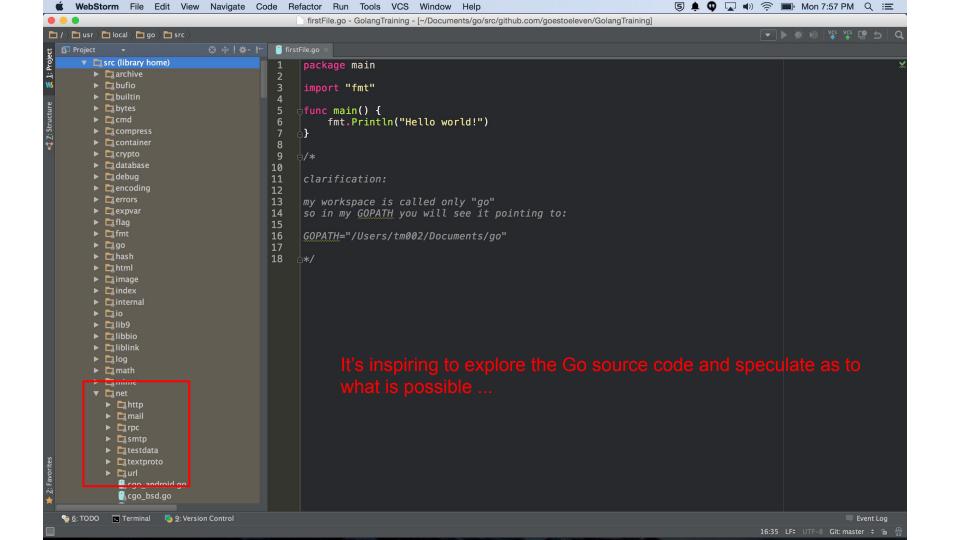


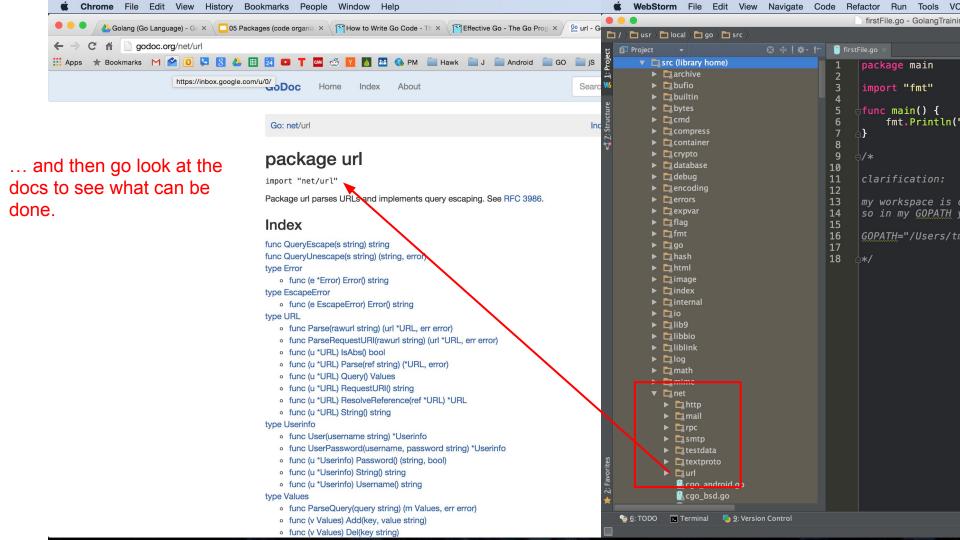


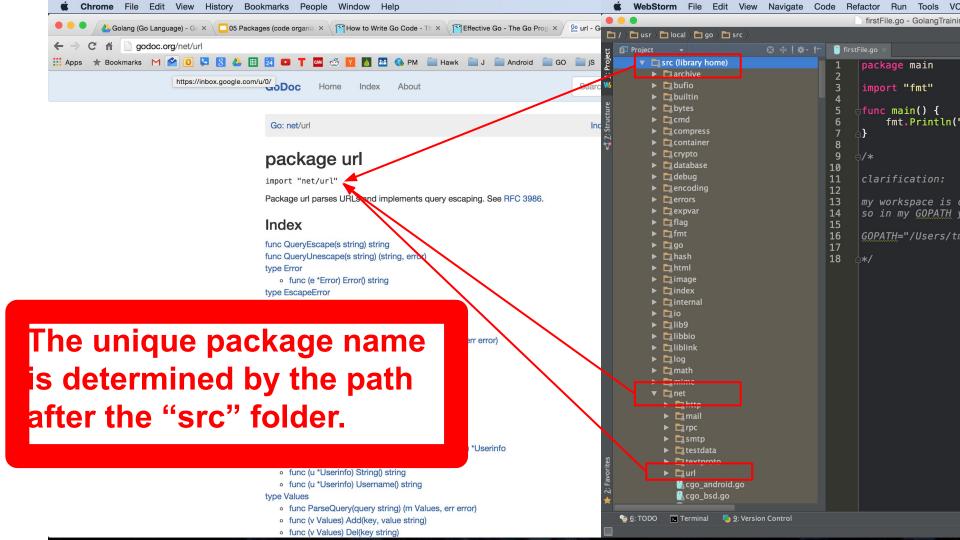


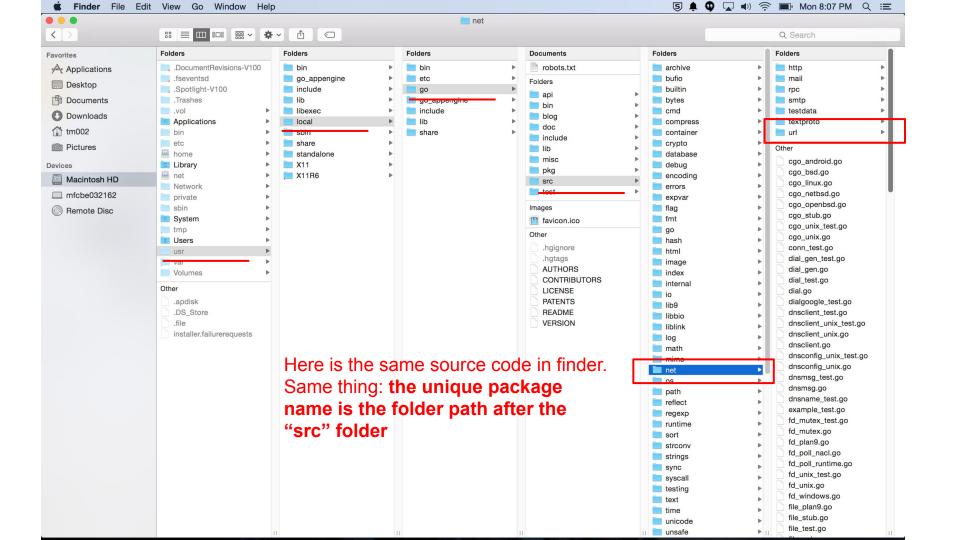


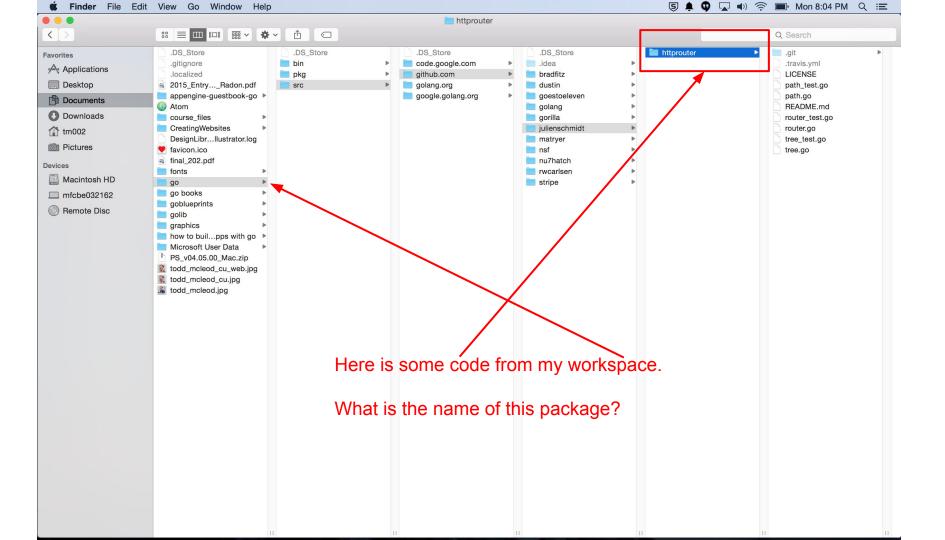


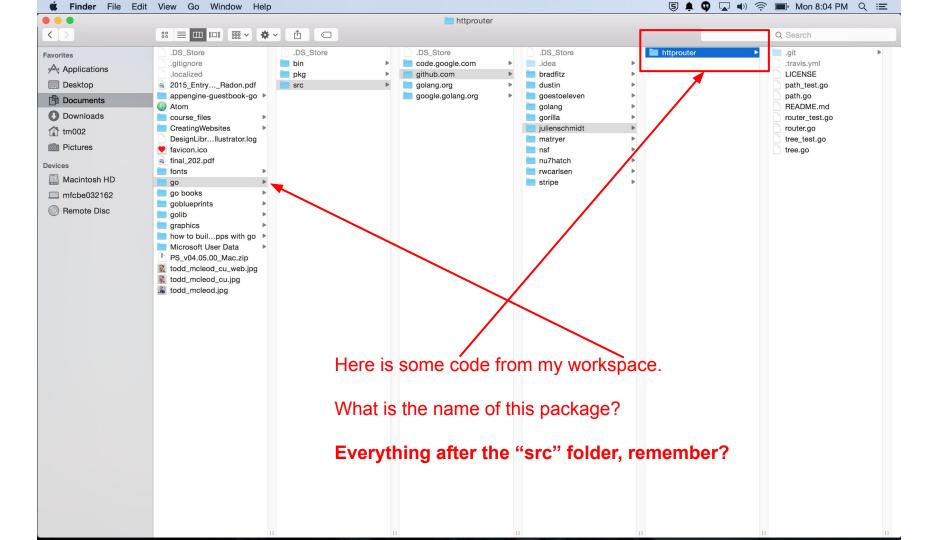


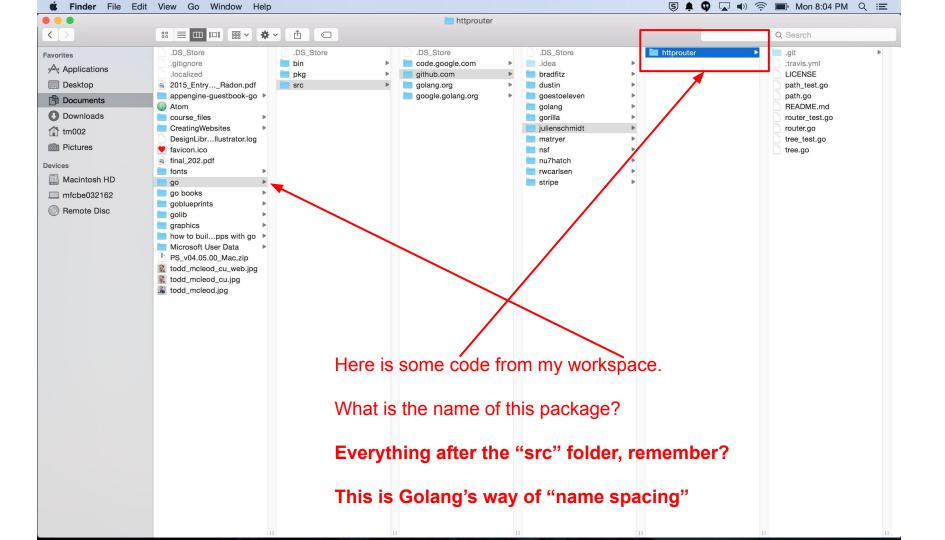












namespace

In computing, a **namespace** is used to organize objects of various kinds, so that these objects may be referred to by name.

Examples include:

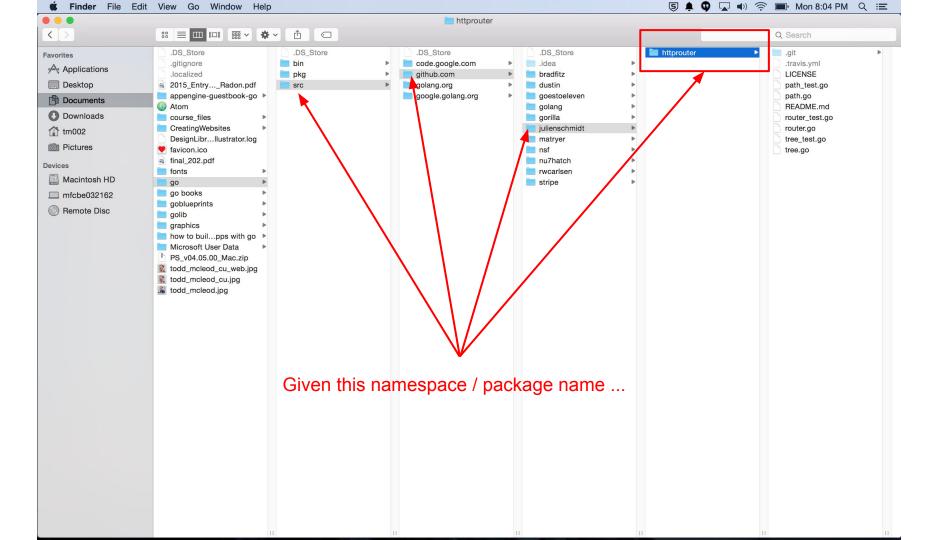
- file systems are **namespaces** that assign names to files
- programming languages organize variables and subroutines in namespaces
- computer networks and distributed systems assign names to resources, such as computers, printers, websites, (remote) files, etc.

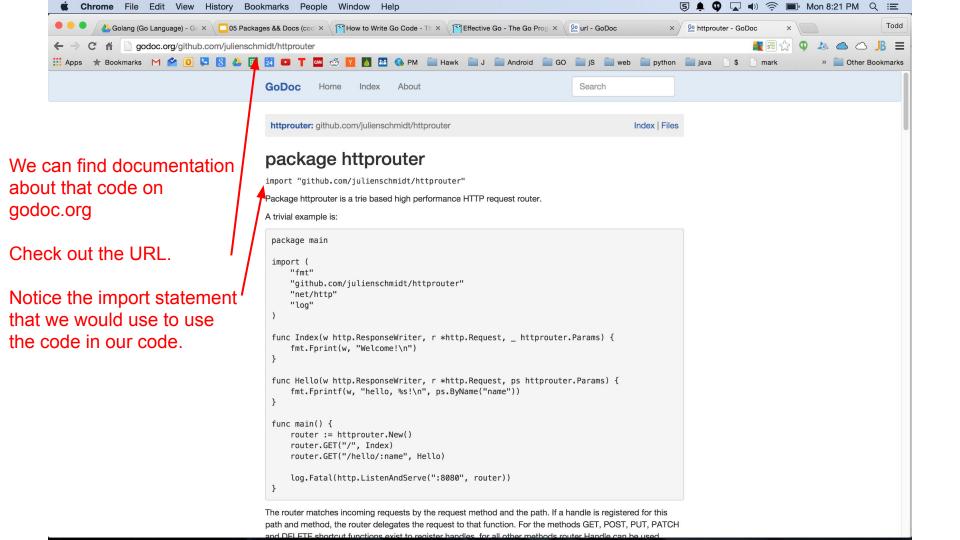
Namespaces are commonly structured as hierarchies to allow reuse of names in different contexts.

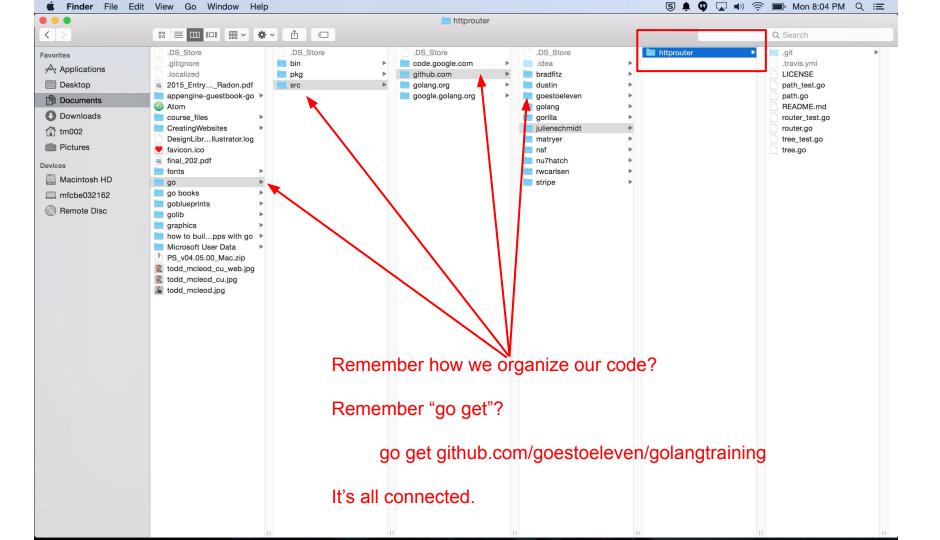
Example: human names. Jane Doe. Within the **namespace** of the Doe family, just "Jane" suffices to unambiguously designate this person, while within the "global" **namespace** of all people, the full name must be used.

In a similar way, hierarchical file systems organize files in directories. Each directory is a separate **namespace**, so that the directories may both contain a file "jane". In computer programming, **namespaces** are typically employed *for the purpose of avoiding name collisions between multiple identifiers* that share the same name.

source: wikipedia

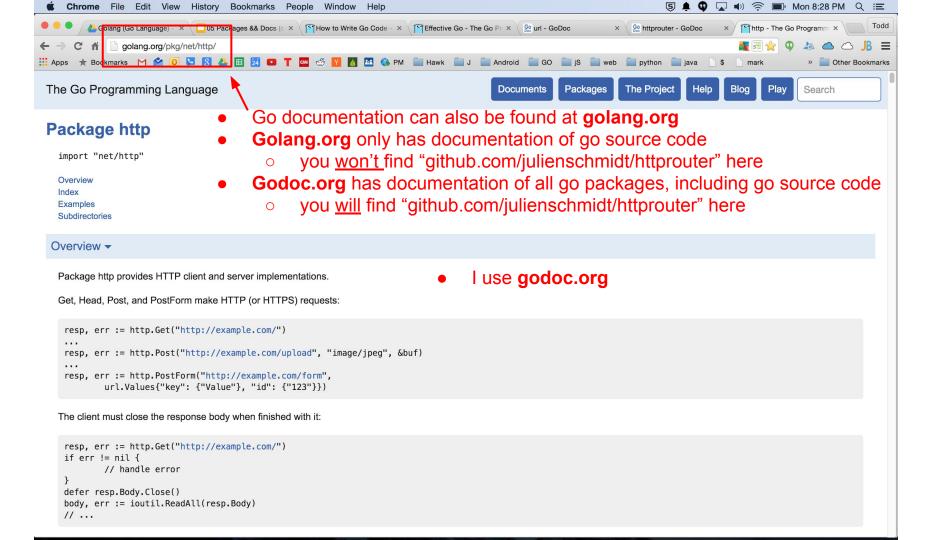






documentation

godoc.org vs golang.org vs. godoc at terminal



package naming

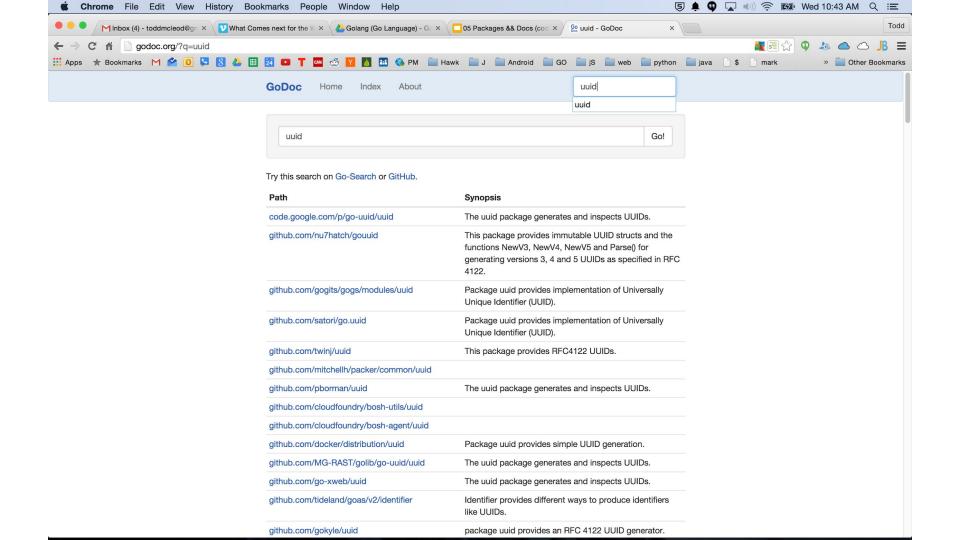
https://golang.org/doc/code.html#PackageNames

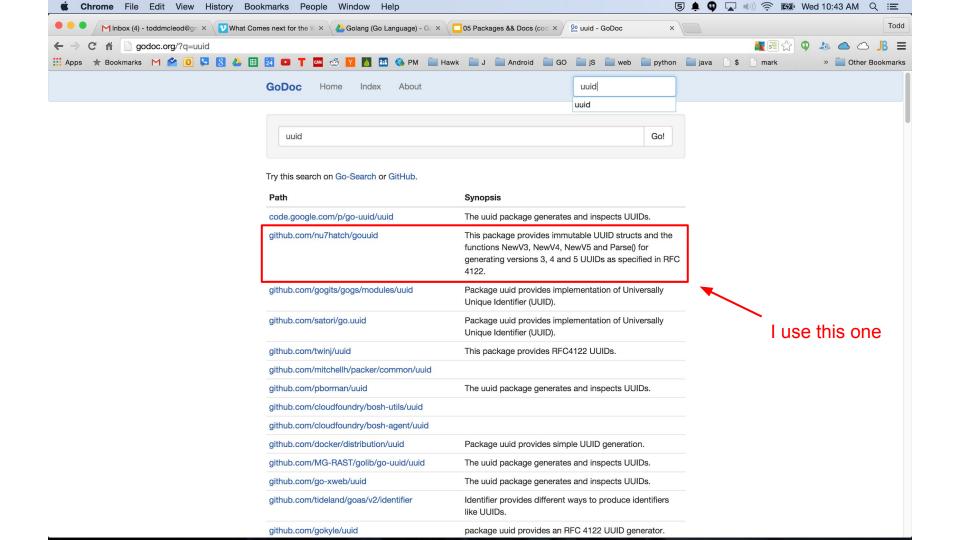
package naming

https://golang.org/doc/effective_go.html#names

searching for packages / libraries

search godoc.org





Review

- packages
 - packages = folders
- SDK software development kit
- namespace
 - unique namespace of packages: everything after the "src" folder
- documentation
 - godoc.org
 - golang.org
 - godoc at terminal
- package names / paths
- searching for packages

Review Review - You've learned a lot

- golang is awesome
- SHA1
- go version
- go env
- go help
- environment variables
 - O GOPATH
 - GOROOT
- workspace
 - o bin
 - o pkg
 - o src
 - github.com
 - your_user_name
 - your_packages
 - your code

- .bash_profile / .bashrc
- GO IDE's
 - webstorm
 - o atom

- func main()
- packages
- functions vs methods
- parameters vs arguments
- expressions vs statements
- variable, constant, literal
- go run
- go build
- go install
- go get
 - go commands
- Go, Github, & Webstorm
- git
 - o git log
 - o .gitignore
- Packages / Libraries
 - o <u>naming</u>
- namespace
- documentation
 - godoc.org
 - golang.org
 - godoc at terminal

Review Questions

Namespacing

Define namespace.

go commands

List and define the go commands you have learned so far.

godoc.org

- Find a package for gorilla sessions on godoc.org
 - take a screenshot of this

namespace

- Open up finder (or windows explorer, for those on windows).
- Navigate to your workspace.
- Navigate to the folder you created to store the code you write in this course.
- What is the unique name for this package?
 - for your homework submission
 - write out the unique name for this package and also
 - take a screenshot of finder showing your package