We're going on a web server scavenger hunt!

Help!

I put up some web pages on servers in different parts of the world, and they aren't working. I need you to use **ssh** to log into the servers and run a couple of commands. As a reward, you'll get some hidden treasures that we will use to make our first computer game.

Start the command prompt / terminal

(Note: $ is the universal symbol for the command prompt. You don't need to type it!)

Use ssh to log into the web server with IP address 139.162.165.165. The username is marko. Say yes to any questions it asks you.

marko's password is XgkzF4oz

$ ssh marko@139.162.165.165

Start the web server back up

Congratulations! You are now controlling a web server located on another continent!

There is a web page I designed that you should be able to see from anywhere in the world using a web browser, but it's not working right now.

Navigate to the location directory:

$ cd location

Take a look inside the directory:

$ ls

There is an environment variable that the web server needs to run properly (the Google Maps API key). Load this variable using the following command:

$ source app-env

Navigate to the app directory:

$ cd app

List app's contents:

$ ls

Go to the templates directory:

$ cd templates

List the contents of templates:

$ ls

Now I want you to take a look at the contents of the index.html file. This is the file that the webserver displays.

$ more index.html

You scroll down using the "enter" key, and go back up a page with the "b" key. This file is in html. What do you think it will display?

Now go back up to the main location directory. You can go up a directory by typing "cd .."

$ cd ..

If you don't see it already, you can list your present working directory with the command "pwd"

$ pwd

Go up one more directory by typing "cd .."

$ cd ..

Now you should be in the location directory, and now that you have an idea of what this web server will display, I want you to fire up the flask web server and tell it to listen for requests on all ports (0.0.0.0).

$ flask run --host=0.0.0.0

Hopefully you see a positive message here. Let me know if you don't!

If the server is working, then you should be able to open up a web browser to the address 139.162.165.165:5000

The 5000 part is the "port" that the server is allowing access to. Read the page. Where is the server located?

Secret treasure

You will need some special treasure later in class.

Navigate to marko's home directory:

$ cd ~

List the contents of the directory:

$ ls

Navigate to the hiddentreasure directory:

$ cd hiddentreasure

List its contents:

$ ls

You should find a file called littledude.png. Make a directory on your own computer called hiddentreasure. **At your own computer's command line (not at the remote server!)** copy this file to your computer using the secure copy (scp) command:

(Mac)
$ scp marko@139.162.165.165:~/hiddentreasure/littledude.png ~/hiddentreasure/littledude.png

(Windows)

> scp marko@139.162.165.165:~/hiddentreasure/littledude.png C:/hiddentreasure/littledude.png

There might be some other hidden treasures so if you find these go ahead and download these too!

Server at an alternate location

I also have a server set up at an alternate location in the universe, and I need exactly the same thing done. The rest of the hidden treasures are on that server. Where is that server?

Its IP address is 172.105.231.45 and the login credentials are exactly the same as for the first one.