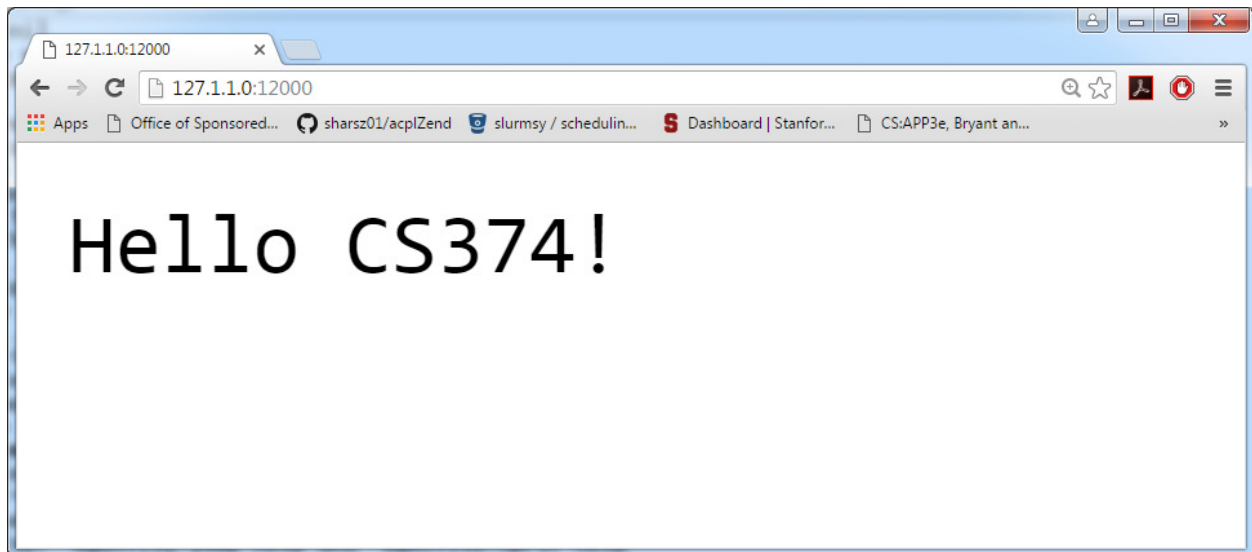


CS 374 Computer Networks

HW 2 (Due on January 27, 1:30pm in class)

The following problems are about **Socket** programming.

- (1) **An extremely simple web server.** Use your favorite programming language (e.g., Java, C, or Go etc.) to implement an extremely simple web server. Run your program in your local machine so that when your browser is typed with <http://127.0.0.1:12000/> in the address, the web page shows “Hello CS374!” Here is an example:



- (2) **A simple web page viewer.** Use your favorite programming language (e.g., Java, C, or Go etc.) to implement a simple web page viewer. For example, if your program name is Client (or Client.go), when input the URL link as the command line argument, the program returns the source HTML code of the URL web page.

The running command of the Java program looks like

```
java Client http://www.ipfw.edu
java Client http://users.ipfw.edu/chenz/
```

Hint: Here is a link on the tutorial on working with URLs in Java:

<http://docs.oracle.com/javase/tutorial/networking/urls/>

The running command of the Go program looks like

```
go run Client.go http://www.ipfw.edu
```

```
go run Client.go http://users.ipfw.edu/chenz/
```

Hint: Here is a link on the tutorial on working with web applications in Go:

<https://golang.org/doc/articles/wiki/>

<http://golang.org/pkg/net/http/>

Please submit the hard copy with your programs and results to the instructor right before the class on Jan. 27.