



Help vitorpbarbosa7



Course Progress Course > Readings > Reading 7: Sockets & Networking > Questions Previous Ø Questions  $\ \square$  Bookmark this page Wire protocols 1 1/1 point (graded) Which of the following tools could you use to speak HTTP with a web server? Chrome on your laptop Chrome on your phone SSH client ▼ Telnet client A web browser written in Java A web browser you wrote in Java ✓ java.net.HttpURLConnection, which has HTTP-specific features ✓ java.net.Socket, the socket class discussed in this reading Explanation A SSH client probably isn't useful for speaking HTTP. Chrome is a web browser, so it can definitely speak HTTP. Someone could certainly write a web browser in Java. That someone could be you. If you did write a web browser in Java, you would probably use HttpURLConnection . However, you can also open a basic Socket and write code to speak HTTP. That code would speak the protocol just like we spoke it "manually" using Telnet. Submit Answers are displayed within the problem

Wire protocols 2

2/2 points (graded)

Here is the wire protocol for the problem set that will be released next week.

Messages from the client to the server:

```
MESSAGE ::= ( LOOK | DIG | FLAG | DEFLAG | HELP_REQ | BYE ) NEWLINE LOOK ::= "look"

DIG ::= "dig" SPACE X SPACE Y

FLAG ::= "flag" SPACE X SPACE Y

DEFLAG ::= "flag" SPACE X SPACE Y

HELP_REQ ::= "help"

BYE ::= "bye"
 NEWLINE ::= "
 " | "
 "?
X ::= INT
Y ::= INT
 SPACE ::= " "
INT ::= "-"? [0-9]+
```

Using this grammar, which of these is a valid request from the client? In the choices below, we use ← to represent a newline.

look
------

Page 2
Questions | Reading 7: Sockets & Networking | 6.005.2x Courseware | MIT Open Learning Library
https://openlearninglibrary.mit.edu/courses/course-v1:MITx+6.005.2x+1T2017/courseware/Readings/07-Sockets-Networking/?activate\_block\_id=block-v1%3AMITx%2B6.005.2x%2B1T2017%2Btype%40sequential%...

dig seven seven ← J	
☐ help! ⊷	
✓ flag 007 9999⊷	
□ DEFLAG 11← <sup>1</sup>	
Messages from the server to the client:	
MESSAGE ::= BOARD   BOOM   HELP   HELLO BOARD ::= LINE+ LINE ::= (SQUARE SPACE)* SQUARE NEWLINE SQUARE ::= ""   "F"   COUNT   SPACE SPACE ::= "" NEWLINE ::= "" "   "" "" "? COUNT ::= [1-8] BOOM ::= "BOOM!" NEWLINE HELP ::= [^ ] + NEWLINE HELD ::= "Welcome to Minesweeper. Players: " N " including you. Board: " X " columns by " Y " rows. Type 'help' for help." NEWLINE N ::= INT X ::= INT Y ::= INT INT ::= "-"? [0-9]+	
Which of these is a valid response from the server?	
<u></u> ← ← ←	_
□ 123-456-789-	
✓ You don't need help, Multiplayer Minesweeper is simple and intuitive! Ч	
Available commands: ←look, dig, flag, deflag, help, bye ← Have fun! ←	_
✓	
Submit Show Answ	er
✓ Correct (2/2 points)	
<pre>Previous Next &gt;</pre>	

Some Rights Reserved

Open Learning Library Connect About Contact Accessibility Twitter All Courses Facebook Why Support MIT Open Learning? Help