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Milestone

My project was a port scanner and it only scanned the ports on the local computer that it was programmed on. I continued to work on it so that it could read the ports of other distant IPs. In this final essay, I will explain what my code does thus far and how it works. My class is called Ports because I am creating a port scanner and it will be easier for anyone to understand my code by looking at the class. I decided on ports because it was sweet and simple. Now with this new and improved program I am able to complete feats that puts my old program to shame. I am now able to scan ports of IPs that are not related to the local host. I am able to even scan IPs of website if I so wish. I decided to make my port scanner something that could find vulnerabilitlies in any machines because I want to minor in cyber security. Now I will explain simply how the code works. I created a main class with the args. It goes as follows it starts with a (public static void main(String []args). Next I used a print statement to introduce the user to the code I have developed. It goes as follows it tells the user (Welcome To The Worlds best port scanner I am The One and Only Dao! Wait have you not heard of me???? enter 0 if you know of I…) Then I make a few jokes that are meant to intrigue the reader because often times people outside of the C.S/I.S society think our work is boring so I aim also to please the user. I use if/else to make the joke effective in ellicting

a positive response of humor from the user. Then after the fact I prompt the user to scan the port they wish for me to use… Scanning ports are important because it allows us to find vulnerabilities without our computer. Then I get into the nitty gritty part of my code I write (“String host = input.next();” ”InetAddress findAddress InetAddress.getByName(host)” “String hosts = findAddress.getHostName()”). WIth this little block of code I am creating variables that are crucial for the aspect of my code that will let me scan ports that are not on my machine. Then I start by using a for loop to find all of the possible ports within my operating system. My code goes a little something like this (For (int port = 1; port <= 65535; port++)). This allows me to loop all the ports until it is at the max number of ports. Finally I use a try and catch on my code it goes as following (Socket socket = new Socket(hosts, port; String text = hosts + " is listening on port " + port;System.out.println(text);socket.close()). Then the catch just catches the IOexception error. That is the nitty gritty of my code. Thank You for a great Semester of Software Development 1.

This is how I constructed my UML DIagram

Ports

resp = int
host = String
findAddress = String
hosts = String
port = int
socket = String
texts = String

Main():void