Project Manager (PM), Recorder (R)	
Name	Role
Name	Role
he Need for DNS	
Your Tasks	
 Create a list of IP Numbers for your Classmates Explore the Inernet Simulator 	
 Interview a classmate Have Ms. Pluska check off your Interview witha classmate Watch the video on DNS 	
Define key vocabularyRecieve credit for the group portion of this lab	
□ Create a list of IP Numbers for your Classmate	es
When you walked in, you were handed a slip of paper with an IP address on Names and Addresses sheet on the back of this lab guide. Then, when instruction move around the room and try to complete an accurate list of IP addresses students in the room. You may only talk to one person at a time.	ucted to do so,
Do you think the system we just simulated is an efficient way of collecting If there any inefficiencies you observe? How could it be made better?	o addresses? Are

Write your name below and indicate your role,

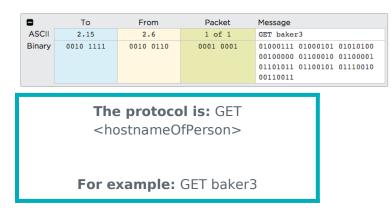
□ Explore the Internet Simulator

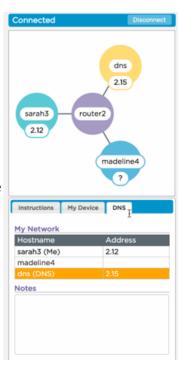
- Navigate to lesson 12 stage 2 and join the simulator.
- Review the guide below on how to navigate the simulator

Communicating with the DNS

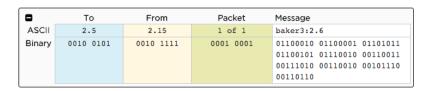
To begin, click over to the "DNS" tab to see all the hostnames of people on the router. You will see the address of the DNS (always 15) but will not see an address for anyone else on the router.

The DNS server responds to a text protocol that will give you someone's IP address. Type the IP address of the DNS into the "To" field, then use the following protocol to retrieve the IP address.





You can request the IP address of anyone in your class, <u>even if they're connected</u> to a <u>different router!</u>



Once you've sent your request for the IP Address, the DNS will respond with the hostname and the IP address (shown on the left)

After the DNS has returned your partner's IP, you may contact them directly by typing the IP address into the "To" field, entering a message, and then pressing "send."



□ Interview a classmate

Locate the IP address of classmate that is NOT on your router. Interview your classmate.

Interview questions - NO talking
Partner's name:
Are you a morning person or a night person?
If you could have any superpower, what would it be and why?
If you won the lottery, what is the first thing you'd do with the money?
What series are currently binging?
Do you have any pets? What are they?
□ Have Ms. Pluska check off your interview with a
classmate
STOP
Before you continue have Ms. Pluska check off your interview with a classmate
Do not continue until you have Ms. Pluska's (or her designated TA's) signature

□ Watch the video on DNS

Navigate to the following link and watch the video on DNS

 $\underline{https://www.youtube.com/watch?v=5o8CwafCxnU\&feature=youtu.be\&t=4m10s}$

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Use a search engine to complete the following
What does DNS stand for
Why do we need a Domain Name System?
Why don't we all maintain our own DNS?
Is there one big DNS for the entire Internet? Why not?
What is one vulnerability of DNS and how is that vulnerability attacked?

What are the implications of your life?	an attack on a DN	S server (or servers) - how d	oes this affect
your me:			
What is a DDoS attack?			
What is DNS spoofing?			
□ Receive Credit	for the group	p portion of this la	h
- Receive Credit	ior the group		
STOP			
Indicate the names of all gro	oup members.		
Have Ms. Pluska check your			
Submit your lab to the need this lab.	s to be graded fold	er to receive credit for the g	roup portion of
Do not submit your lab until	you have Ms. Plusl	ka's (or her designated TA's)	signature
Names and Addre	SS		
Name	IP Address	Name	IP Address