## Report for Lab 3-1: UDP

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1	a. Source port number:53		b. Destination port number:53	
	c. Total length of user diagram: (payload only)	68 bytes	d. Length of data:68 bytes (same as total length as it's a UDP packet)	
	e. Is the packet from client or se	rver? Server	f. Application layer protocolDNS	
	g. Is checksum calculated? No.U	Inverified		
2	Are answer in number 1 are very Yes, the answers in question 1 s 71.		ation in the detail pane lane? by the information in the detail pane of Frame	
3	Source and destination IP address (router) (from Frame 67)	sses in the query n	nessage: 192.168.1.138 (client) and 192.168.1.1	
	Source and destination IP addresses in the response) message:			
	Yes, the answers in question 1 s 71.	eem to be verified	by the information in the detail pane of Frame	
	Relation between IP addresses:	They are on the sa	me private network (192.168.1.x).	
4	Source and destination port number in the query message:			
	47681 (client) and 53 (DNS) (from Frame 67)			
	Source and destination port number in the response message:			
	53 (DNS) and 47681 (client) (from Frame 71)			
			ports: Each communication uses a dynamically e and the well-known DNS port (53) on the	
	Which port number is well-know	vn? 53		
5	The length of the first UDP packet: 1399 Packet 19			
	How many bytes of payload are	carried by the firs	t UDP packet? 455	
6	Number of bytes in the DNS message: 688 bits or 86 bytes			
	Does the count agree with the ar	nswer to question :	5? NO	
7			et? <b>Frame 67 (query):</b> UDP is connectionless Wireshark shows it as unverified.	

	• Frame 71 (response): UDP is still connectionless, and the checksum information unverified
Va	lue of the checksum: unverified