

Lab 2 Assignment  
Request Message Format  
Revision 10/18/2014

Field Name	Max Length	Begin	End	Type	Comments
TCPHeader	2	0	1	<b>Bianary</b>	Big Endian Order
MessageType	3	2	4	Alphanumeric	Fixed "REQ"
' ' Field Separator	1	5	5	Alpha	
msTimeStamp	10	6	15	Numeric	Right Justified
' ' Field Separator	1	16	16	Alpha	
RequestID	20	17	36	Alphanumeric	
' ' Field Separator	1	37	37	Alpha	
StudentName	20	38	57	Alphanumeric	
' ' Field Separator	1	58	58	Alpha	
StudentID	7	59	65	Alphanumeric	dd-ddd format
' ' Field Separator	1	66	66	Alpha	
ResponseDelay	5	67	71	Numeric	Right Justified
' ' Field Separator	1	72	72	Alpha	
ClientIPAddress	15	73	87	Alphanumeric	Left Justified
' ' Field Separator	1	88	88	Alpha	
ClientServicePort	5	89	93	Numeric	Right Justified
' ' Field Separator	1	94	94	Alpha	
ClientSocketNo.	5	95	99	Numeric	Right Justified
' ' Field Separator	1	100	100	Alpha	
ForeignHostIPAddress	15	101	115	Alphanumeric	Left Justified
' ' Field Separator	1	116	116	Alpha	
ForeignHostServicePort	5	117	121	Numeric	Right Justified
' ' Field Separator	1	122	122	Alpha	
StudentData	20	123	142	Alphanumeric	
' ' Field Separator	1	143	143	Alpha	
ScenarioNo.	1	144	144	Numeric	
' ' Field Separator	1	145	145	Alpha	
Total Length	146				
Value in TCPHeader	144				Hex 0090

Lab 2 Assignment  
Response Message Format  
Revision 10/18/2014

Field Name	Max Length	Begin	End	Type	Comments
TCPHeader	2	0	1	<b>Bianary</b>	Big Endian Order
MessageType	3	2	4	Alphanumeric	Fixed "RSP"
' ' Field Separator	1	5	5	Alpha	
msTimeStamp	10	6	15	Numeric	Right Justified
' ' Field Separator	1	16	16	Alpha	
RequestID	20	17	36	Alphanumeric	
' ' Field Separator	1	37	37	Alpha	
StudentName	20	38	57	Alphanumeric	
' ' Field Separator	1	58	58	Alpha	
StudentID	7	59	65	Alphanumeric	dd-ddd format
' ' Field Separator	1	66	66	Alpha	
ResponseDelay	5	67	71	Numeric	Right Justified
' ' Field Separator	1	72	72	Alpha	
ForeignHostIPAddress	15	73	87	Alphanumeric	Left Justified
' ' Field Separator	1	88	88	Alpha	
ForeignHostServicePort	5	89	93	Numeric	Right Justified
' ' Field Separator	1	94	94	Alpha	
ServerSocketNo.	5	95	99	Numeric	Right Justified
' ' Field Separator	1	100	100	Alpha	
ServerIPAddress	15	101	115	Alphanumeric	Left Justified
' ' Field Separator	1	116	116	Alpha	
ServerServicePort	5	117	121	Numeric	Right Justified
' ' Field Separator	1	122	122	Alpha	
ResponseData	20	123	142	Alphanumeric	
' ' Field Separator	1	143	143	Alpha	
ResponseType	1	144	144	Numeric	Populated by client
' ' Field Separator	1	145	145	Alpha	
Total Length	146				
Value in TCP Header	144				Hex 0090

Lab 2 Assignmnet  
Log\_Trailer Message Format  
Revision 10/18/2014

Field Name	Max Length	Begin	End	Type	Comments
Date	8	0	7	Numeric	MMDDYYYY Format
' Field Separator	1	8	8	Alpha	
Time	6	9	14	Numeric	HHMMSS 24hr notation
' Field Separator	1	15	15	Alpha	
RcvShutdownStatus	5	16	20	Numeric	Right Justified
' Field Separator	1	21	21	Alpha	
XmtShutdownStatus	5	22	26	Numeric	Right Justified
' Field Separator	1	27	27	Alpha	
CloseStatus	5	28	32	Numeric	Right Justified
Total length	33				