**Network Communication Protocols  
  
Communication devices by order:** Arduino, Raspberry Pi and the Server.

Arduino-side Protocols:

Send to Raspberry Pi the seats:  
S – Sending data.  
L1 – Length of amount of chairs -> Length (Amount of chairs)  
A – Status of every seat. 0 or 1.  
L2 – Length of responsible line.  
R – Responsible line -> Line number.

String summary: S\_L1\_A\_L2\_R . Example: S\_1\_1\_2\_10 (S, one seat, seat 1, 1 chars of data, line number 10)  
  
Example:  
S\_5\_01011\_2\_10

Raspberry Pi-side Protocols:  
  
Send to the Server the data:  
u – update.  
c – close.  
  
Server-side Protocols:

r – received ( when the pi sends data to server, returns ‘r’, for ack )