**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 lines   
R – Responsible lines -> Start: End ( no space between, just : )

String summary: S**L1AL2R** . Example: S1131:2 (S, one seat, seat 1, 3 bits of data, first = 1, last = 2)

Raspberry Pi-side Protocols:  
  
Send to the Server the data:  
  
  
  
Server-side Protocols: