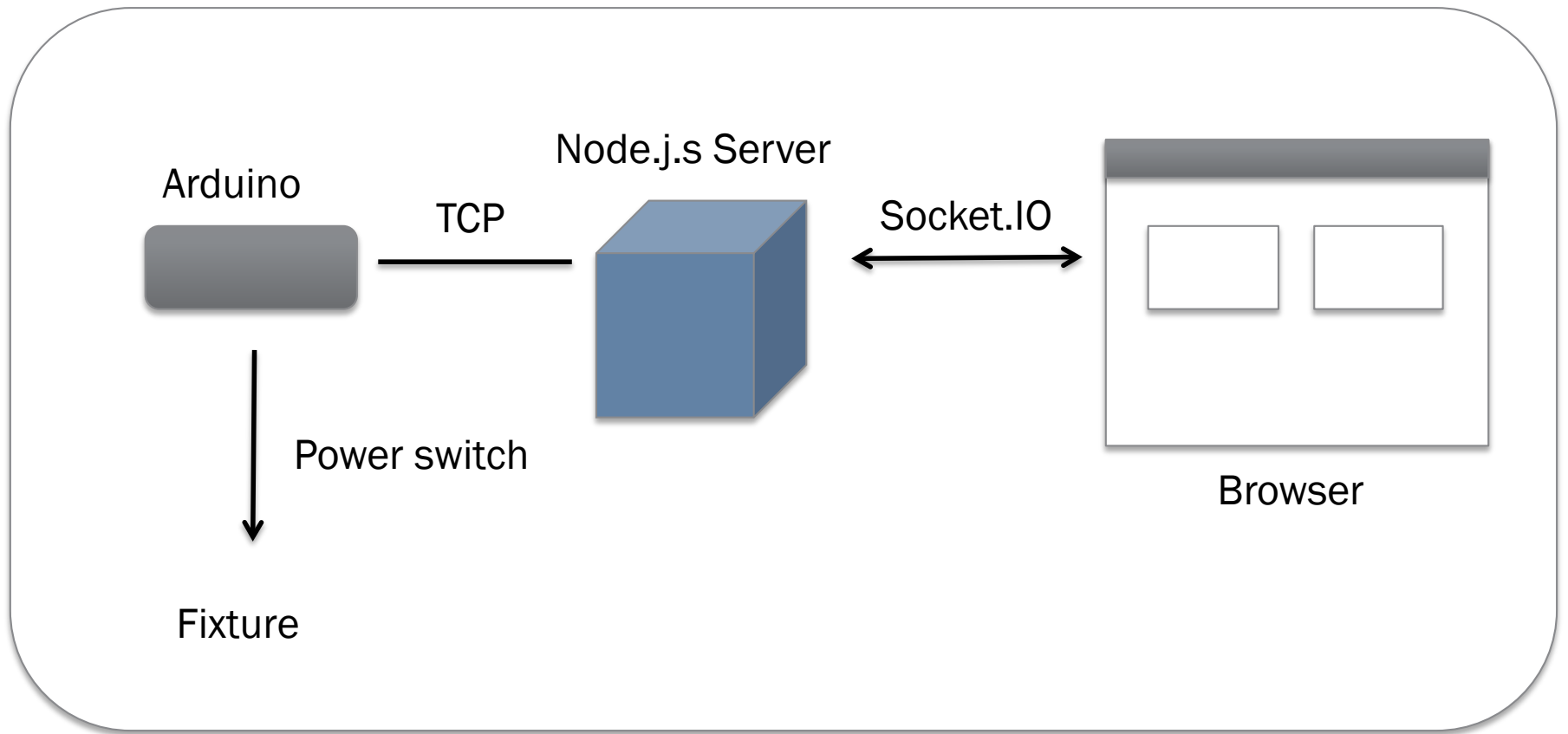


INTERACTIVE MODEL FOR THE RAILROAD MUSEUM

JULY 25, 2014

**Nicole Wong
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COMPLETED:

1. Set up Node JS server

2. Install Socket IO

3. Server.js :

1. open TCP server (port: 1337)

2. Socket IO connects Browser to server (port: 8090)

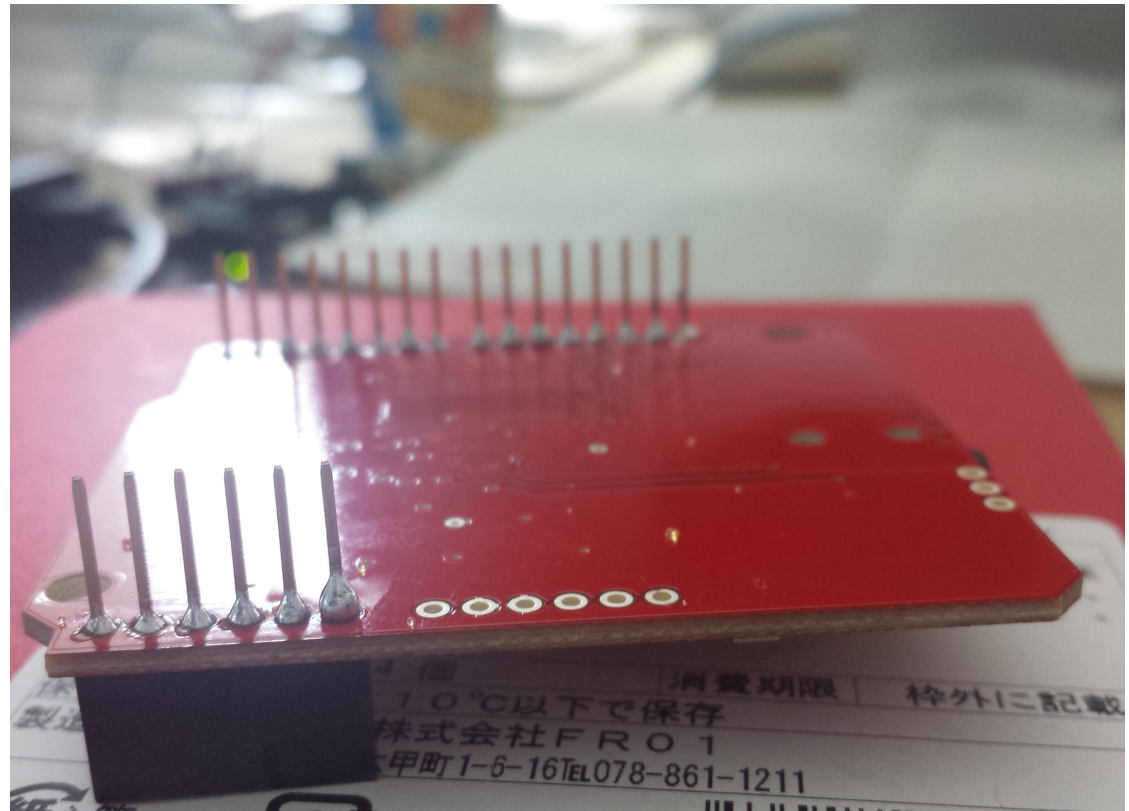
4. HTML file

5. Arduino code connects to TCP server



MUSIC SHIELD

- Headers are soldered on
- Music shield tested and it worked



TO FIX AND TO DO :

- Server seems unreliable at time; Arduino can't connect via TCP
 - Server crashes sometimes when the Arduino tries to connect
 - Music shield's sound quality is not the best
 - Music shield works only when the Serial monitor is on
1. how to make it work without computer



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