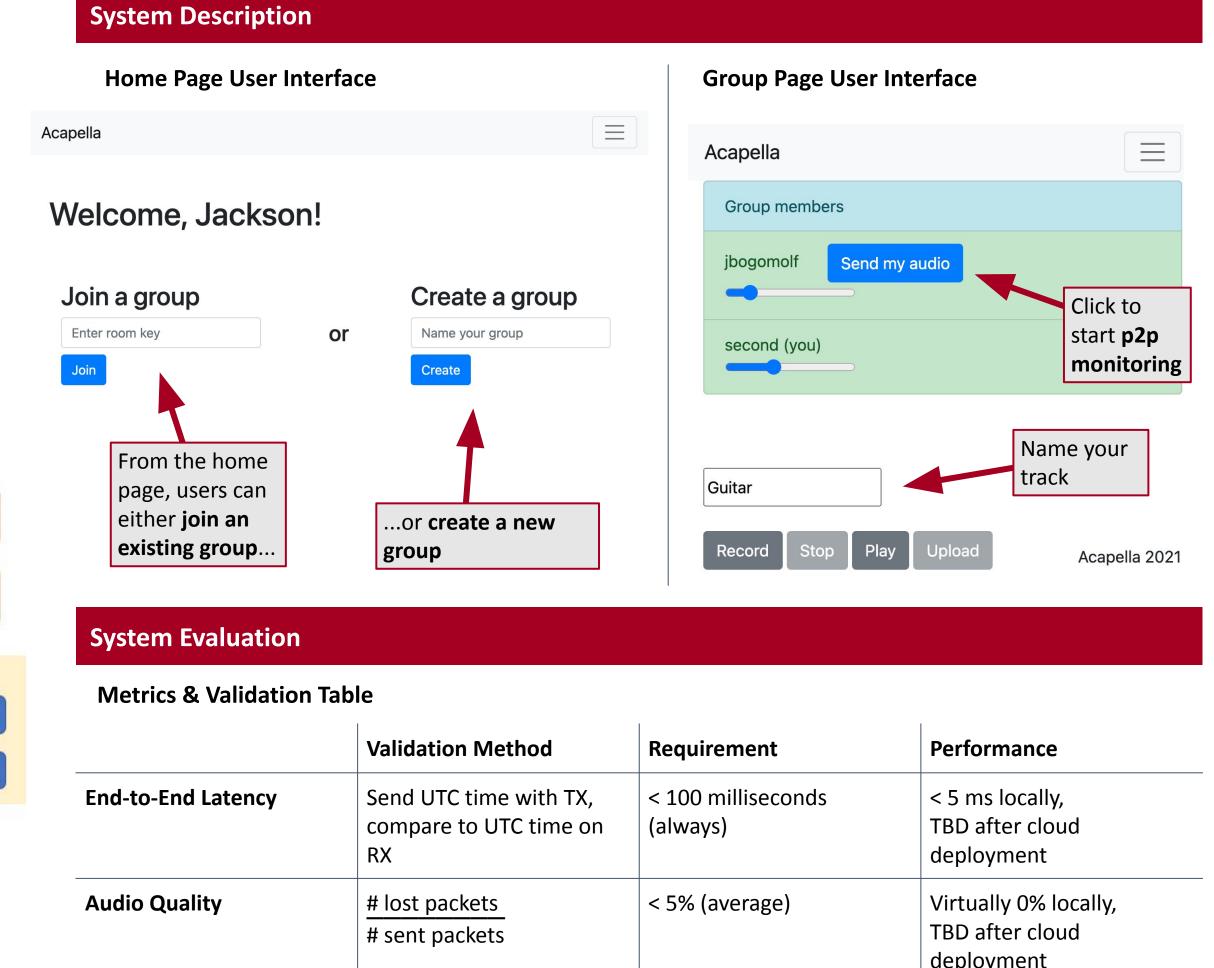
# **Carnegie Mellon**

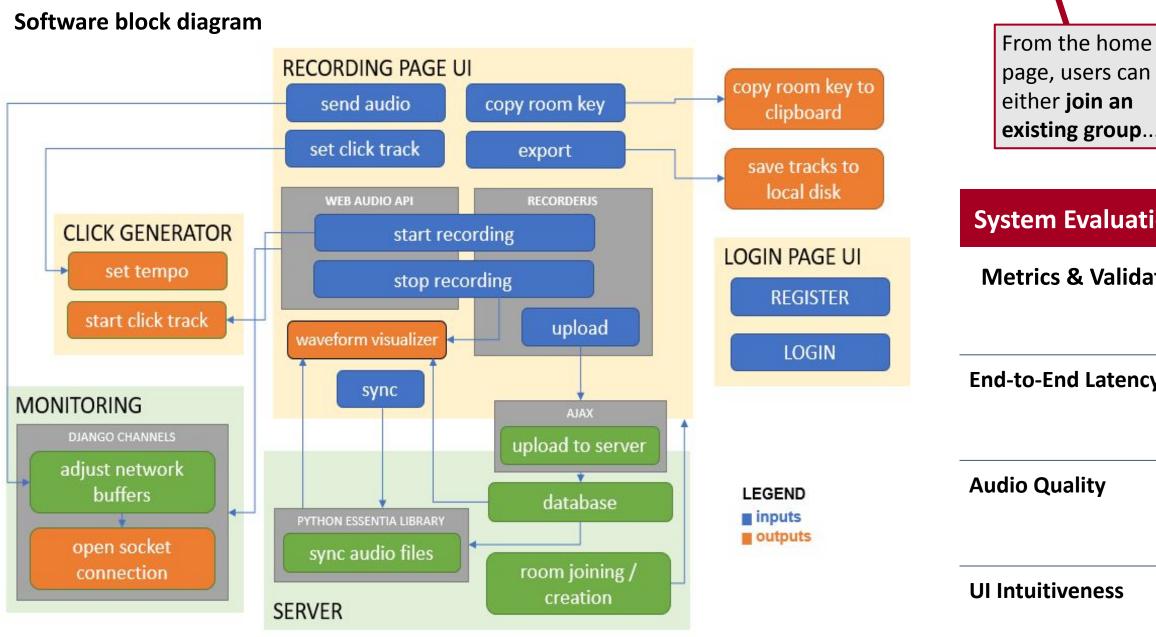
## Acapella Team D5: Jackson Bogomolny, Ivy Ye, Christy Lee

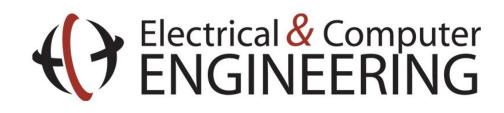
### **Product Pitch**

Acapella is a free, collaborative digital audio workstation that works entirely in your browser. Think of it like a Google Docs for audio recording: supporting real-time monitoring with an end-to-end latency under 100 milliseconds, the web app empowers ensembles of **up to 4 musicians** to create **professional quality** multitrack audio recordings remotely. After the session, Acapella will automatically synchronize users' recorded tracks and allow for them to be downloaded off the web server.



### **System Architecture**





	Validation Method	Requirement	Performance
су	Send UTC time with TX, compare to UTC time on RX	< 100 milliseconds (always)	< 5 ms locally, TBD after cloud deployment
	<pre># lost packets # sent packets</pre>	< 5% (average)	Virtually 0% locally, TBD after cloud deployment
	Ask users to perform basic tasks and time them	< 5 seconds (average)	TBD after cloud deployment