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**Requirements**

Topic for Project: Synchronous Spotify Playback

Functional Requirements

The user(s) will be able to:

1. Log in using their Spotify Account.
2. Host a listening session.
3. Join an existing listening session via private key provided by a host.
4. Manipulate media controls (scrubbing, pausing/playing, volume changes) and reflect these changes to all current listeners.
5. Lock (prevent other users to enter the session) or End current session.
6. View upcoming tracks in the queue.
7. Request songs to be played in queue.

Nonfunctional Requirements

1. Scalability – Functionality to be supported on mobile devices. (PWA support TBD)
2. Robustness – The website should be able to handle and keep up with connection lapses from its listeners (ie. If the user loses connection, the song progression will still be in sync after the connection is re-established.)
3. Reliability – The website should be able to handle at least 50 concurrent listeners in one private room.
4. Data Integrity – The website will not disclose any personal information of listeners to other listeners.
5. Each request should be processed within 3 seconds.
6. The app can be added as a chrome extension in the future.