Digital Vinyl

Spotify Endpoints

auth: https://accounts.spotify.com/authorize
token: https://accounts.spotify.com/api/token
base: https://api.spotify.com/v1
nowPlaying: me/player/currently-playing
getAlbums: albums
getTracks: tracks
nextTrack: me/player/next
playbackQueue: me/player/queue

React Auth App

App.js (Req. <= Node v14)
Port: 32

Packages:
react-spotify-api: ^3.0.0
react-spotify-auth: ^1.4.3
js-cookie: ^3.0.1

Authenticates the user as logged in (with token)

React Auth App

Node Server App

index.js (Req. >= Node v18)
Port: 31

Endpoints:
/id
Update to play the Spotify Item based on the ID (URI Code)

/tokenQuery
Authentication via Spotify Token

getCurrentSong: GET
skipTracks: POST
addTrackToQueue: POST

Node Server App

SpotifyNFCController

C++ Reader

readNFC: void

spotifyTagReaderNfcNtag215

PN532 C Module

pn532_rpi.h

pn532.h

pn532

HTTPRequest

HTTPRequest.hpp

http::Request

HTTPRequest

NFC Reader App

Spotify Auth

https://accounts.spotify.com/authorize
2 Hour Token

Spotify Auth

Spotify API

Spotify API

NFC Tags

NTAG215 Coins
NTAG215 Stickers

NTAG215 NFC Tags

NFC Pi Hat

Waveshare PN532
Raspberry Pi Hat
13.56MHz
SPI Interface

PN532 Pi Hat

Raspberry Pi

Pi 3 Model B+

Raspberry Pi

Nowify Record Wall

Vue App (Req. <= Node v14)
nowify.keshavchawla.com

Packages:
spotify-web-api-js: ^1.5.1
colorthief: ^2.3.2
vue: ^2.6.11

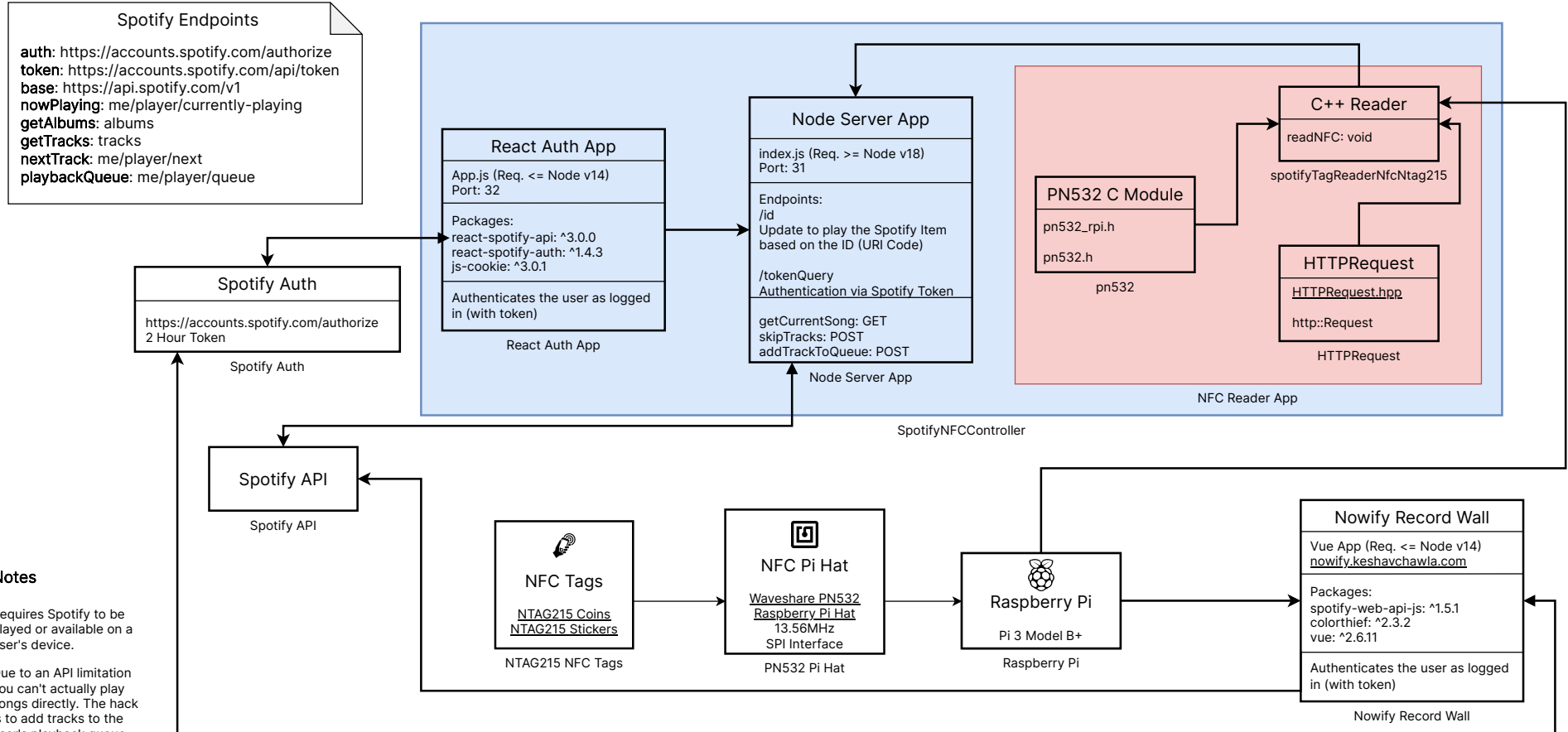Authenticates the user as logged in (with token)

Nowify Record Wall

Notes

Requires Spotify to be played or available on a user's device.

Due to an API limitation you can't actually play songs directly. The hack is to add tracks to the user's playback queue and then advance to the next song until you "find" the correct one.

Last Updated August 2022