Radio Player specification

Features:

* Playlists
  + Made up of tracks
  + Title
  + Subtitle
  + Artist
  + Contributing Artist(s)
  + Bit rate/quality
  + Publisher
  + Parental rating
  + Mood
  + Filename
  + Composer
  + Length
  + Format
  + Filesize
  + Part of a collection
  + Location in the collection
  + Date of recording
  + Release date
  + Rating system?
  + Can play only a certain section of a track?
  + Genre
  + Keywords
  + Play history
  + Location in play history
  + Sound adjustment/normalisation? (lower loud volumes, increase quiet volumes)
* Music Sources (MP3s, other formats?)
  + OGG
  + WAV
  + WMA
  + FLV
  + AVI
  + MP4
  + MP3
  + WEBM
  + MOV
  + WMV
* Download from youtube?
  + Spotify
  + From device
  + Vimeo
* Broadcast radio signals?
  + Transmitter
  + Legality
  + Interference
  + Wavelength and electromagnetic spectrum
  + 30-100 meters
  + “In the UK Stautory Instrument IR2030/26/2 2011/0401/UK (from December 2011)[[6]](https://en.wikipedia.org/wiki/FM_transmitter_(personal_device)#cite_note-6) permits unlicenced use of devices that can be shown to radiate less than 50 nanowatts (-43dBm), on a 0.2MHz raster in the range 87.5–108MHz.”??8Meters??
* Bluetooth
  + Amplifier
  + Audio cable
  + Power cable
  + Bluetooth Audio Board
* Interface?
  + Webpage
  + WPF/WinForms 🡨
  + Mobile (Possibly)
  + Command Line
* Base library
* Catagorise music
* Format conversion
* Announcer/announcement
* Remote control
* PRS(Synonym for ‘minefield’)
* How are we storing all the data
* Is it voltage or current that determines the noise/volume?
* Our own amplifier?
* CD Player
* Play music from device
* More speakers
* Break tracks into separate folders (e.g. based on Album)