Functional specification:

**The Purpose of the Project**

* Create audio guide to assist learning with museum displays whilst looking

# Mandated Constraints

* Audio must be streamed (no buffer or dl)
* Must use wifi router
* Show timing and track numbers on a display
* Database must hold audio tracks and also user information to check on authorisation, payment and other details.

# The Scope of the Work

* Audio will be designed for a single museum

# Functional Requirements

* Must stream audio over wifi
* Must authenticate on pin
* Must log transactions
* Ability to use pinpad to select track
* Listener should be able to control playback (rewind ff etc)
* Admins can manage files
* Customer can register to use device (kiosk)
* Uni-cast and multi-cast playback streaming

# Non-Functional Requirements