Competitive Analysis

**Finger Tracking:**

* Leap Motion:
  + Positive Features:
    - Extremely good and consistent detection of individual fingers
    - Can detect different hand gestures
    - Easy interface with a computer
  + Negative/Unnecessary features
    - Level of sophistication and detail not needed
    - May need to consider different angles of viewing fingers
    - Only need to see if a finger is up or down – continuous movement are not necessary
* Finger tracking program by Simen Andresen:
  + Positive Features
    - Color-based tracking of fingers seems reliable
    - Can detect position of different fingers when spread out
    - fairly fast tracking capabilities
    - no gloves/extra colors necessary
  + Negative/Unnecessary features
    - Could be complicated to sense individual fingers being up or down
    - Mostly detects blobs – individual finger tracking may not be very consistent
    - Could get tricky if hand is wrapped around some other object, like an instrument

**Denoising:**

* Audio Restoration DeNoise
  + Positive features
    - Has a good user interface – lots of knobs and sliders to tweak the recording
    - Drag and drop file importing
  + Negative/Unnecessary features
    - Instructions are not very intuitive – not sure what to do once file is imported
    - No feature to compare the edited and original recordings
* GarageBand
  + Positive Features
    - Nice and sophisticated track bar for audio – follows progress of the audio file playing, can highlight portions of it
    - Can play multiple tracks at once
    - Has a good recording feature
  + Negative/Unecessary features
    - Virtual instruments can sound a bit unnatural/choppy