

# Pitch Perfect

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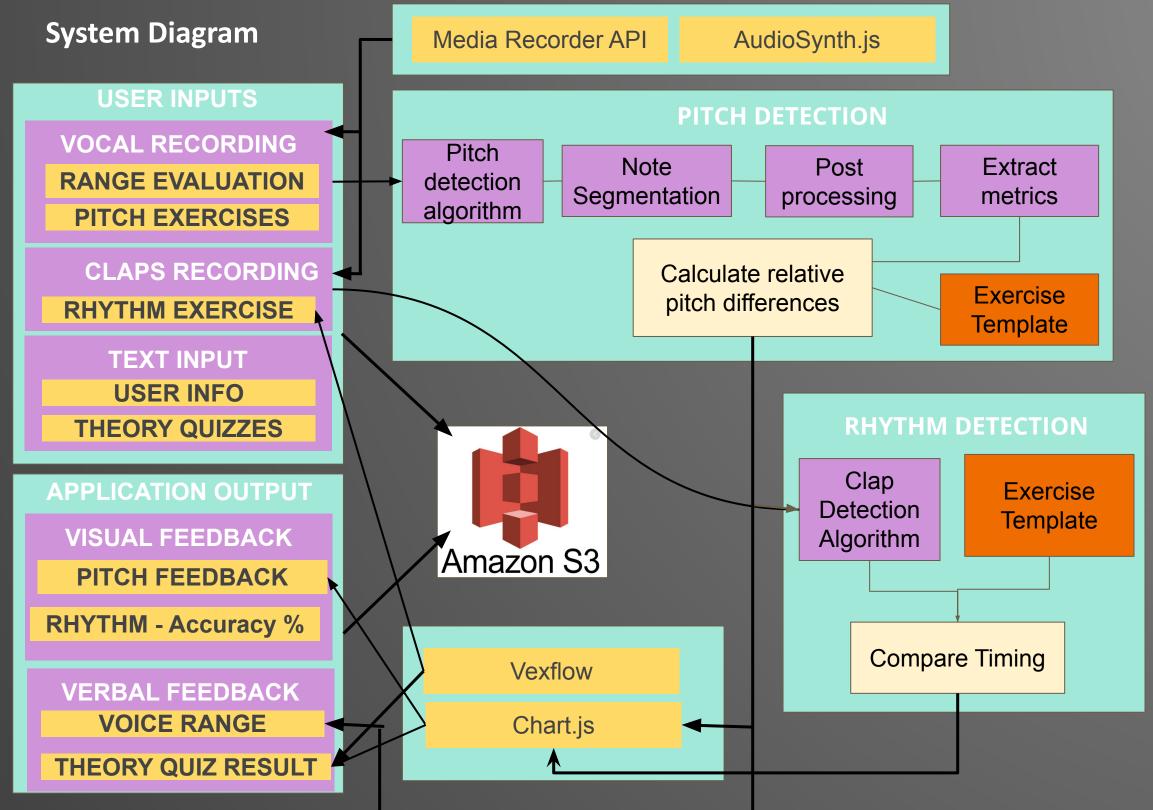


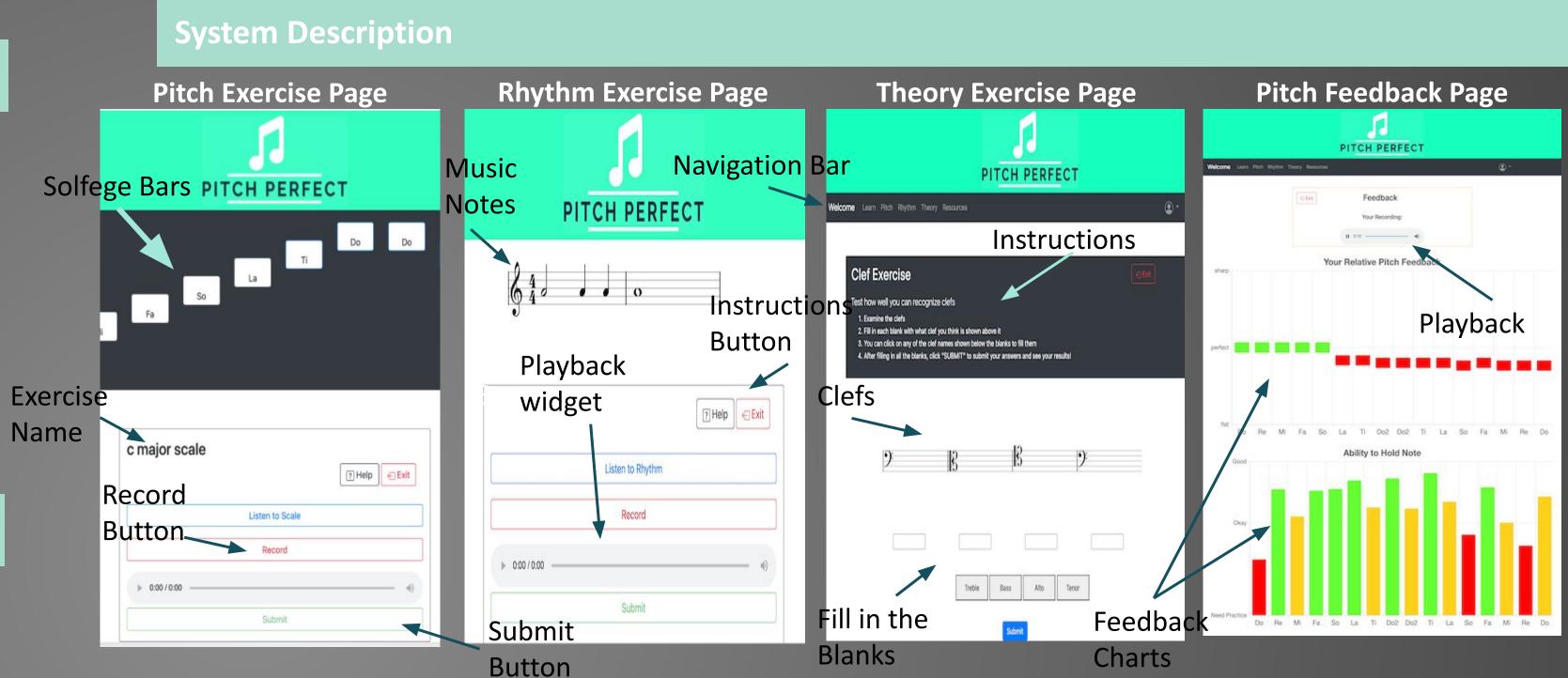
#### **Product Pitch**

A free web application that provides novice singers with exercises focused on improving their pitch control and rhythm identification, as well as music theory lessons that can provide a fundamental understanding of music elements.

The exercises hosted by this web application **provide accurate feedback** to users on their **intonation**, **ability to clap a rhythm**, **and music knowledge**. The overall web application is designed to be **user-friendly and easy to navigate**.

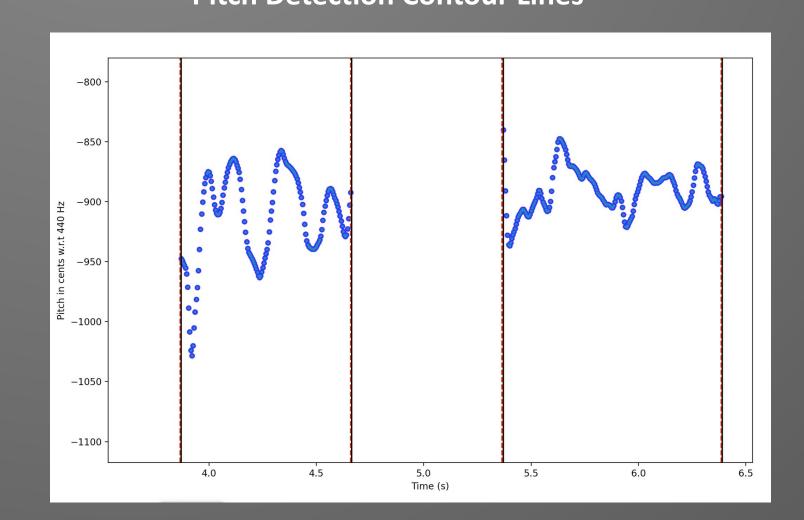
### **System Architecture**



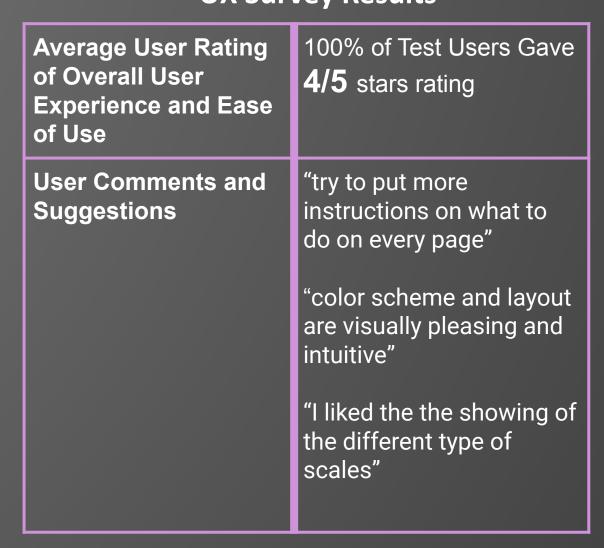


## **System Evaluation**

#### **Pitch Detection Contour Lines**



## **UX Survey Results**



Algorithm used to segment pitch contours to musical notes