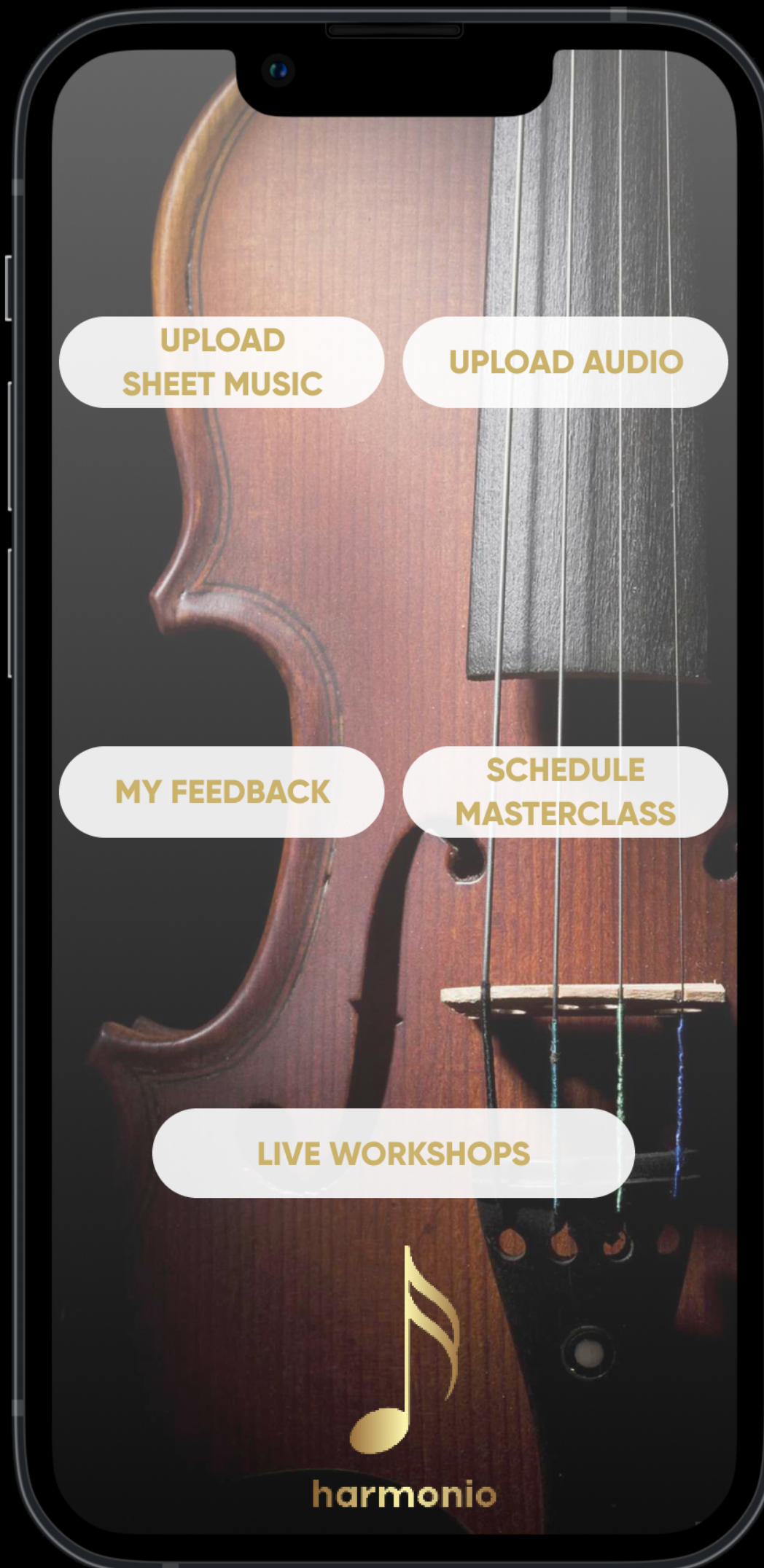# harmonio

1) Upload Sheet Music

Users can either upload a pdf of their sheet music or take an in-app photo using their smartphone camera. This sheet music is the piece the user is attempting to play and wants to receive feedback for.

3) View Feedback

Now that both the benchmark sheet music and user's rendition of the piece have been uploaded, the machine learning algorithm will provide feedback to the user. In addition to feedback for the most recent piece, users can also access all previous submissions.

2) Upload Audio

Next, users can record themselves playing the piece to the best of their ability. An audio file format such as .mp3, .wav, or .m4a is accepted. Moreover, users can record themselves playing directly through the mobile app itself.

4) Schedule a Masterclass

After the user refines their performance of the piece based on the AI feedback, they are encouraged to schedule an individualized lesson with an expert instructor. This musical master will aid the user in taking their playing to the next level.

UPLOAD SHEET MUSIC

UPLOAD AUDIO

MY FEEDBACK

SCHEDULE MASTERCLASS

LIVE WORKSHOPS

harmonio

5) Attend Live Workshops

Users can attend live workshops over a variety of musical instruments and genres. These workshops range from beginner to intermediate to advanced. Anyone can request to host a workshop provided they pass a certification exam.

Frequently Asked Questions

1) What is it for?

One of the most important parts in learning a musical instrument is receiving meaningful feedback. Usually, feedback is received from a music instructor who is experienced, and this often means one must wait until the next lesson. Harmonio aims to solve this problem by offering users feedback on their musical pieces at any time from the convenience of their mobile or tablet device!

2) What is the medium?

Harmonio is supported on both Apple and Android smartphones and tablets. It exists as a mobile application that can be downloaded from the App Store. We are currently taking user feedback to determine whether or not Harmonio should be launched as a website as well.

3) Who is affected and how?

This application can be utilized by students of any musical instrument who are simply trying to improve their performance, ability, and technique. There is no restriction on the skill level users must have to benefit from this app. Additionally, experienced musicians can lead live workshops or masterclasses! Harmonio removes the frustration of not being able to receive feedback from your teacher or instructor in-between one lesson and the next. Almost all musicians have struggled with this problem at one time or another.

4) What feedback is given?

Feedback is given on the following parameters:

• Dynamics: the variation in loudness between notes or phrases
• Tempo: the speed or pace of a given piece usually measured in beats per minute
• Articulation: The manner in which notes are played, e.g., long or short, stressed or unstressed, connected or disconnected etc.