

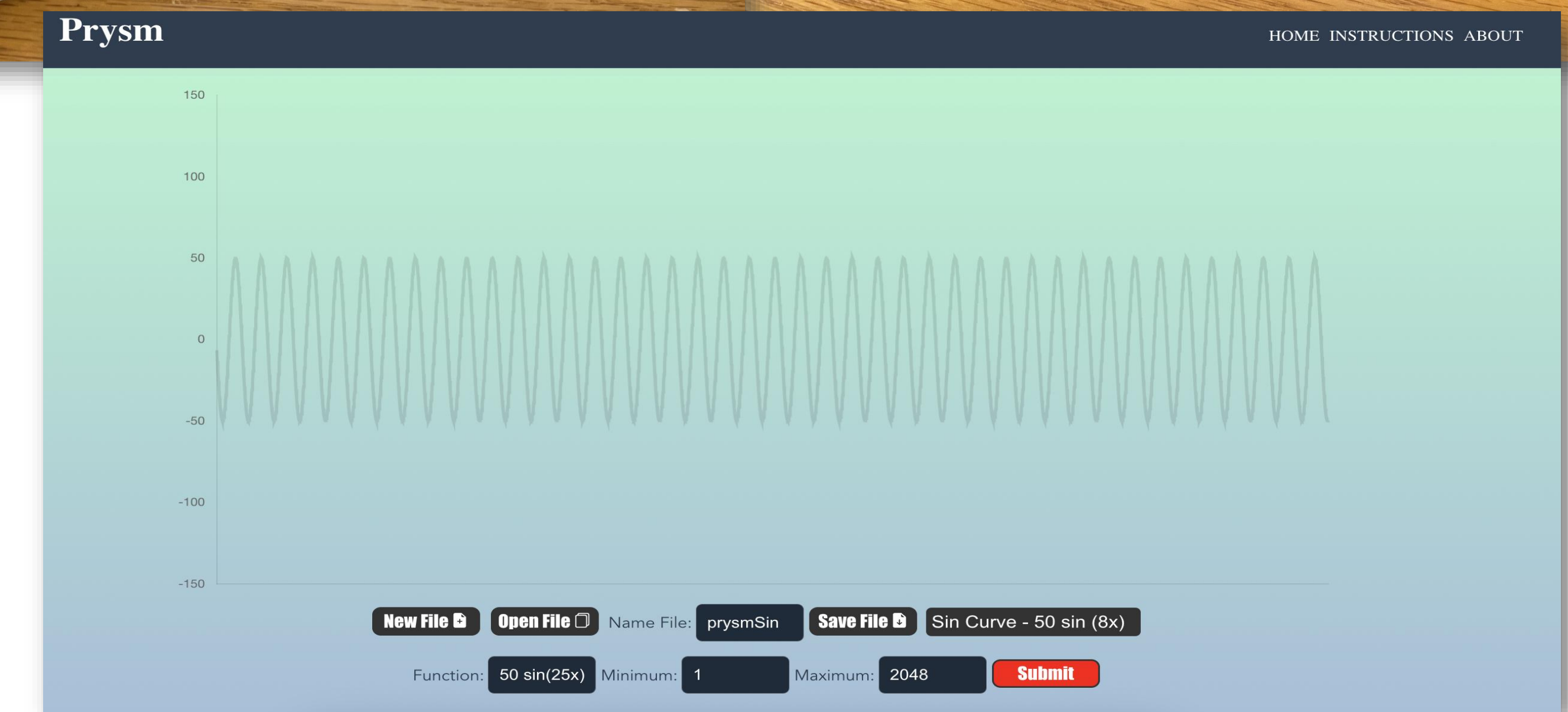


Prysm (Team 23)

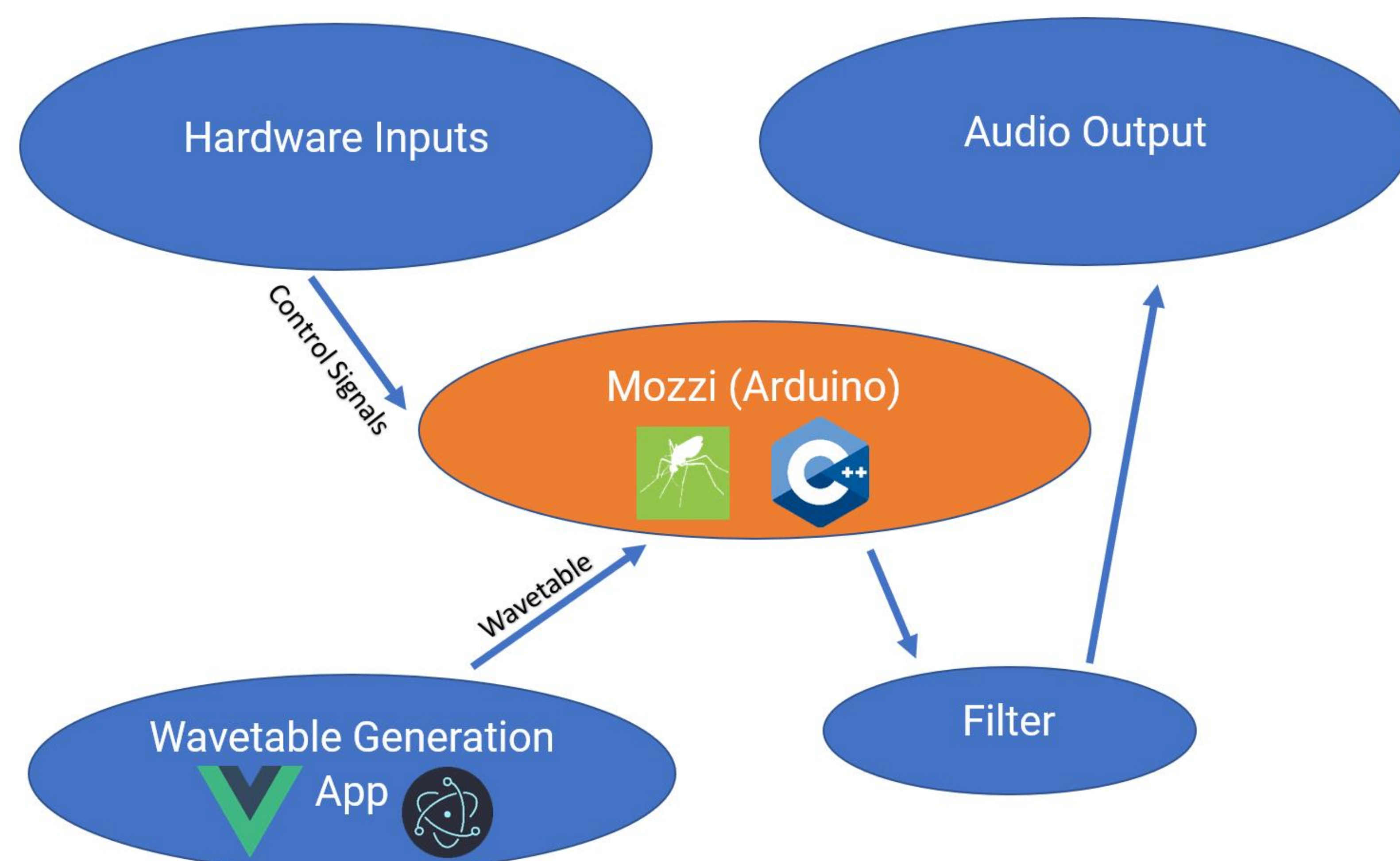
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Description & Purpose

- Prysm is a wavetable synthesizer with a companion application for modifying wavetables.
- We wanted a project that blended hardware with software and music interested all of us.
- We wanted to create a piece of hardware to make music.
- We successfully made a synthesizer that can work with wavetables created in our app.



Design



Ethical & Intellectual Property Issues

Ethical:

- The user has direct access to the Arduino used in the synthesizer meaning a user can change how the Arduino runs. The user also has direct access to a computer's file system when using the app, which is a potential security issue.

Intellectual Property:

- We had to use a 3rd party open-source software library in our implementation meaning the code is not fully ours.