

FerretPal

Keep your posture in check

IoT Mobile App for Posture Monitoring

I'm your ferret pal! My spine is really bendy but yours shouldn't!



Let us focus on your *posture* so you can focus on your *work*!

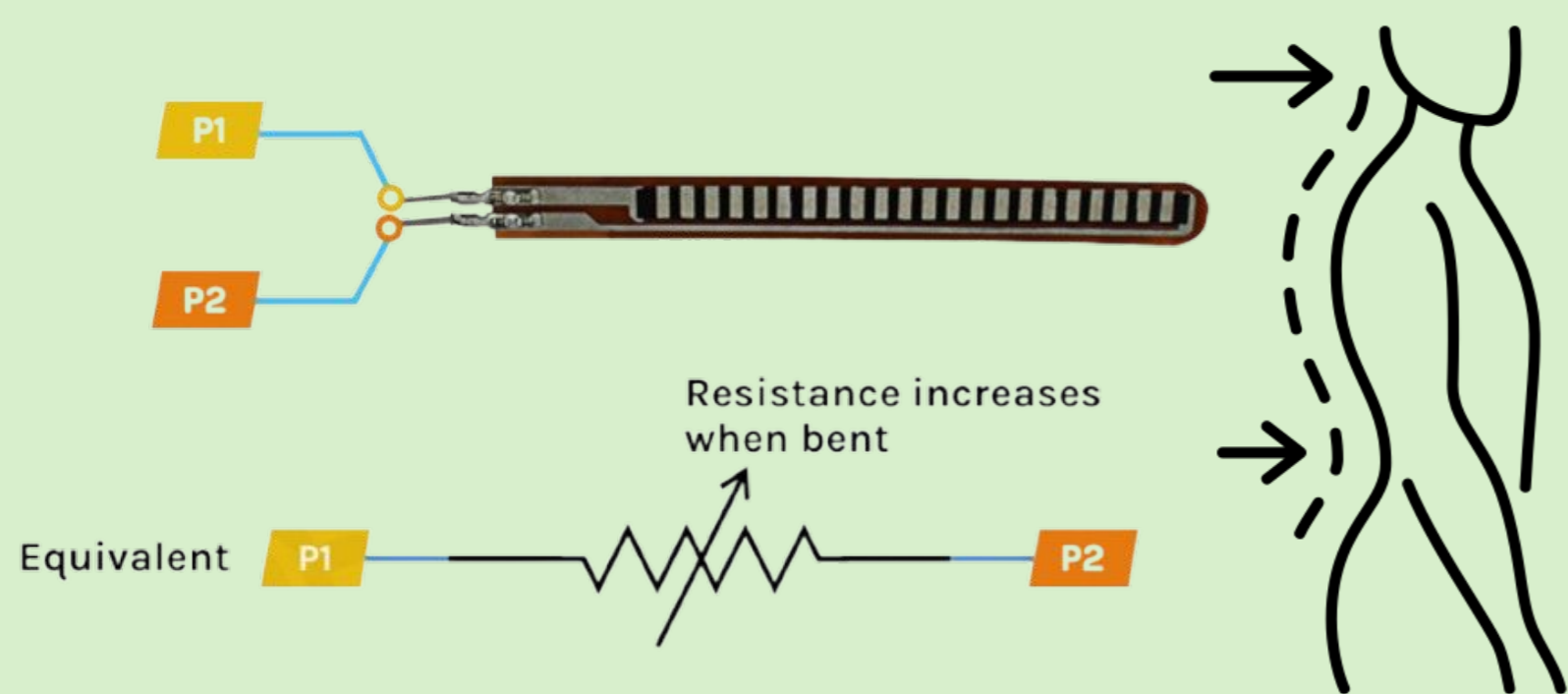
Real time posture tracking:

The flex sensors send data in real time about your changes in posture and the server manipulates the data to detect whether it's incorrect by calibrating the output and setting a personalized offset for each user.

Customize work sessions to your liking:

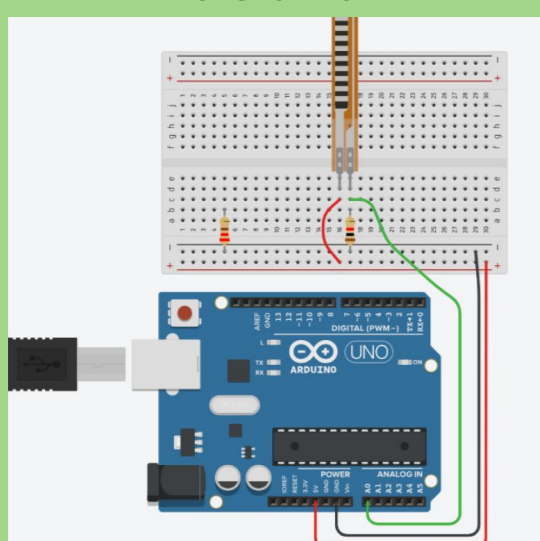
The Flutter client allows the user to customize their work session length to their liking.

During one of these sessions the server interprets the output from the sensors and sends alerts to the client when the user's spine curve exceeds a set offset. The client gives the user audio-visual alerts.

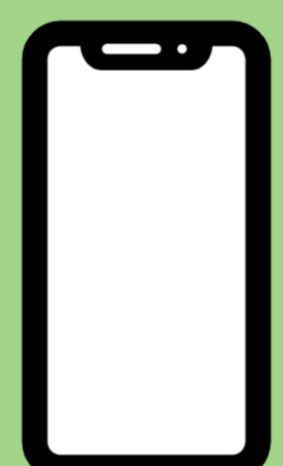


Tech Stack

Sensor sends live data through the arduino uno board



Flutter client manipulates and plots the data + other user features



Data gets processed by a python flask server

Take your posture app anywhere!

