Smart Skeleton update log:

02/16/2021: Last commit before final submission for publication

05/05/2021: Updated application files to fix bug preventing commas from working in muscle descriptions. See spreadsheet for instructions on formatting muscle descriptions. Added buttons for quitting applications and resetting questions. Left shift + R will still work for resetting questions.

05/05/2021: I'm aware that the RGB LED specified in the build of materials is no longer available from the manufacturer. I have redesigned the LED board to use a new version of the RGB LED. The manufacturer used a different pin layout, so I will have to build the new board to verify that it works. The change is minor, so I fully expect the new boards to work. I will update when the new boards are verified.

05/12/2021: The new boards have been verified to work with the new LED available from the manufacturer (ASMB-BTE1-0B332). A new bill of materials spreadsheet has been added with the new LED specification. The new board (Smart Skeleton LED Board v 0.3) has been added to the smart skeleton oshpark page (oshpark.com/profiles/smartskeleton). Eagle files for the new LED board have been added to the pcb_files directory.

5/23/2021: Added a model for 3D-printing a spine bracket to mount the torso module to the anterior of the lumbar spine.