

# Diversified Anatomy and Physiology Lab Resource App

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# OUR CLIENTS



## Elise Donovan

- Professor for 6 years
- Upper Division Anatomy.



## Adonna Rometo

- Associate Teaching Professor at NAU
- Anatomy and Physiology I & II.



## Sneha Vissa

- Assistant Teaching Professor
- BIO 205, 498/698

# What's the Problem?

Problem: A lack of diversified anatomical models in the BIO201 curriculum, resulting in the inability to diagnose skin pathologies and feelings of underrepresentation.

## FIRST

Client lectures to students using skin diagrams.

## NEXT

Client has students practice material by analyzing skin diagrams.

## LAST

Client tests students via diagram labeling questions.

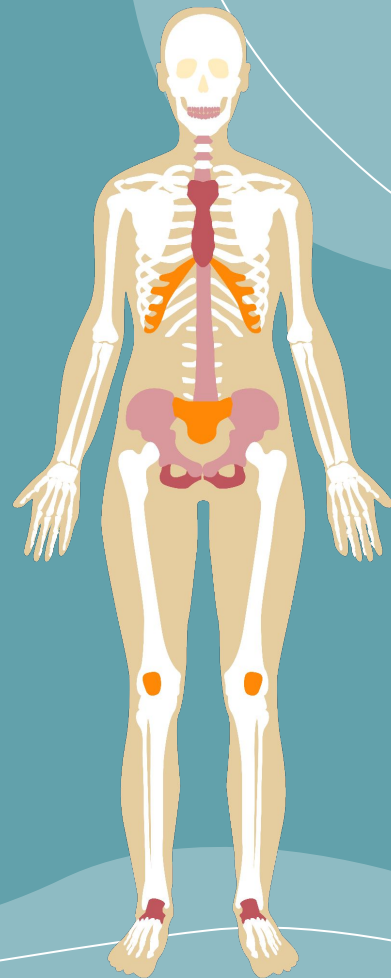
# The Solution

## Solution:

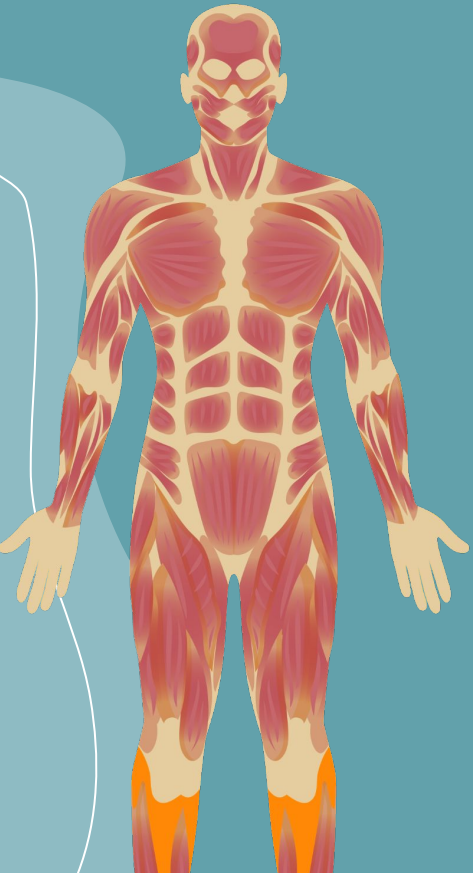
- Diversified approach to anatomical models as an interactive web application.
- Students can tailor their model to their learning.
- Enhancing understanding of the material and fostering inclusivity.

## Key features:

- A customizable anatomical model
- Settings to change the model's skin color



# Plan for development



- Biweekly client meetings discussing challenges and progress
- Main challenges: Accurately depicting pathologies, interactive web application, implementing AI modeling
- Seek guidance from clients
- Existing medical school software and open software
- Product is tailored to NAU A&P curriculum

# In Conclusion!

- Create a web application to supplement BIO 201 curriculum
- Improve representation of physically and racially diverse anatomical models
- Nurture an inclusive and diverse environment that fosters learning