

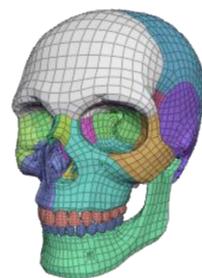
Diversified Anatomy and Physiology Lab Resource App

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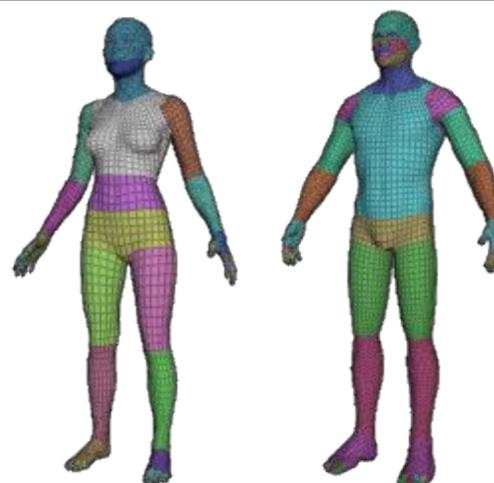
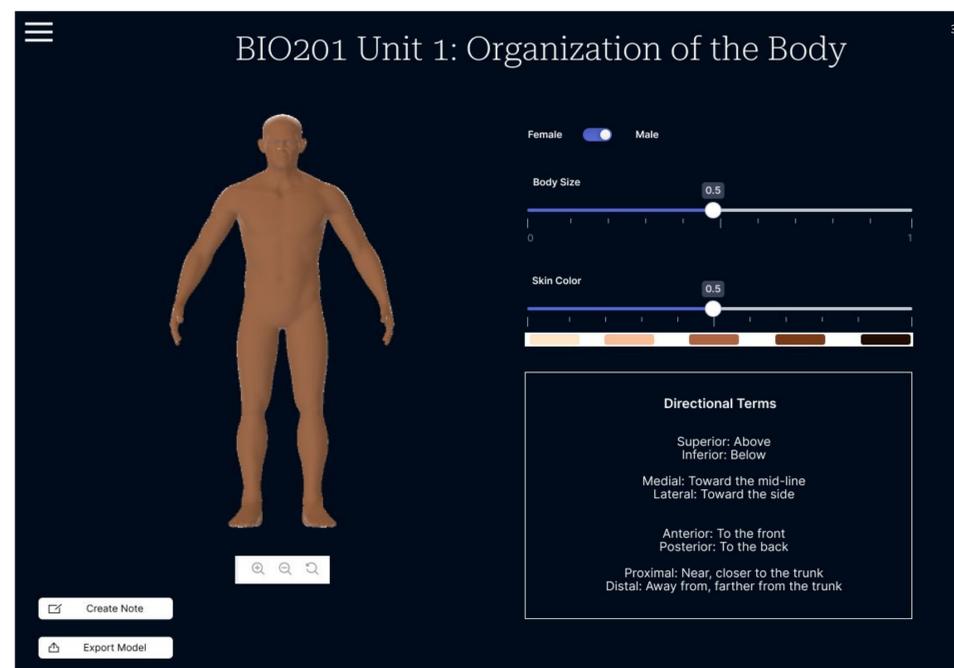
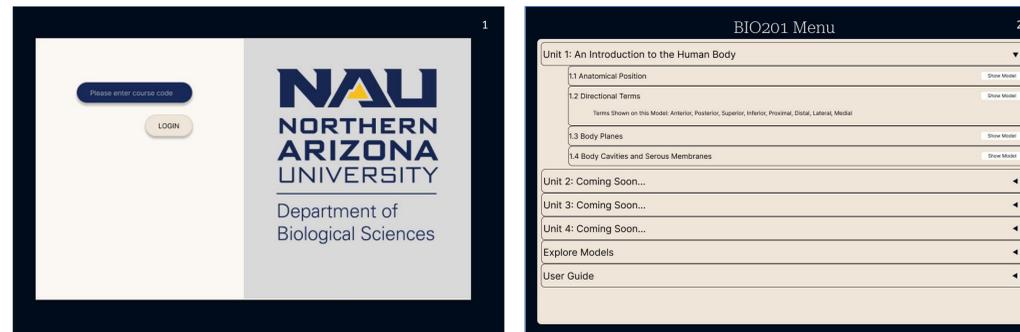


Motivation

- Anatomy and physiology is the foundation of healthcare and is important in diagnosing and treating patients.
- BIO201 students are studying generic, skinny, and white anatomical models.
- Diversified models are rare and expensive.
- Lack of diversity directly affects quality of patient care and fosters feelings of underrepresentation.



Solution

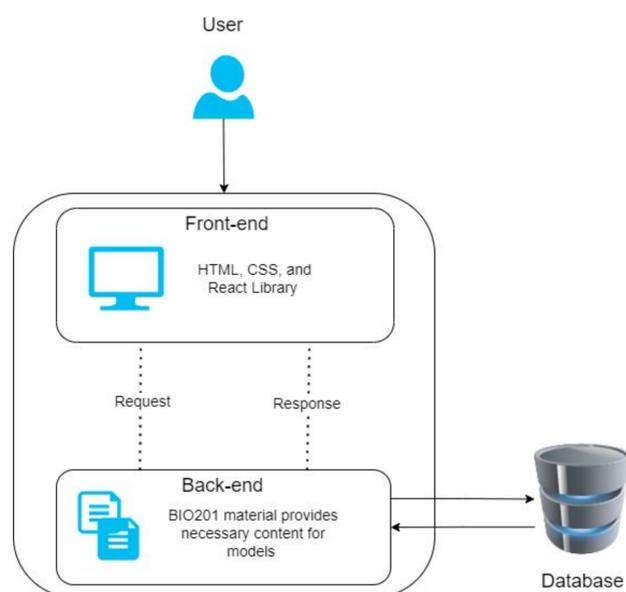


An inclusive, interactive web application specific to the BIO201 curriculum where students can tailor their models to represent a range of skin colors and body sizes, enabling exploration of more diverse models.

Key Features

- 3D generic model with settings that allow users to adjust skin tone and body size of the model.
- Display content specific to BIO201.
- Provide zoom, rotate, and export features for models.
- Store and manage data to ensure real-time updates.
- Offer quick tutorials for users to learn about features of application.

Architecture



Technologies



Our Team Website



https://ceias.nau.edu/capstone/projects/CS/2024/Anatomia_F23/