



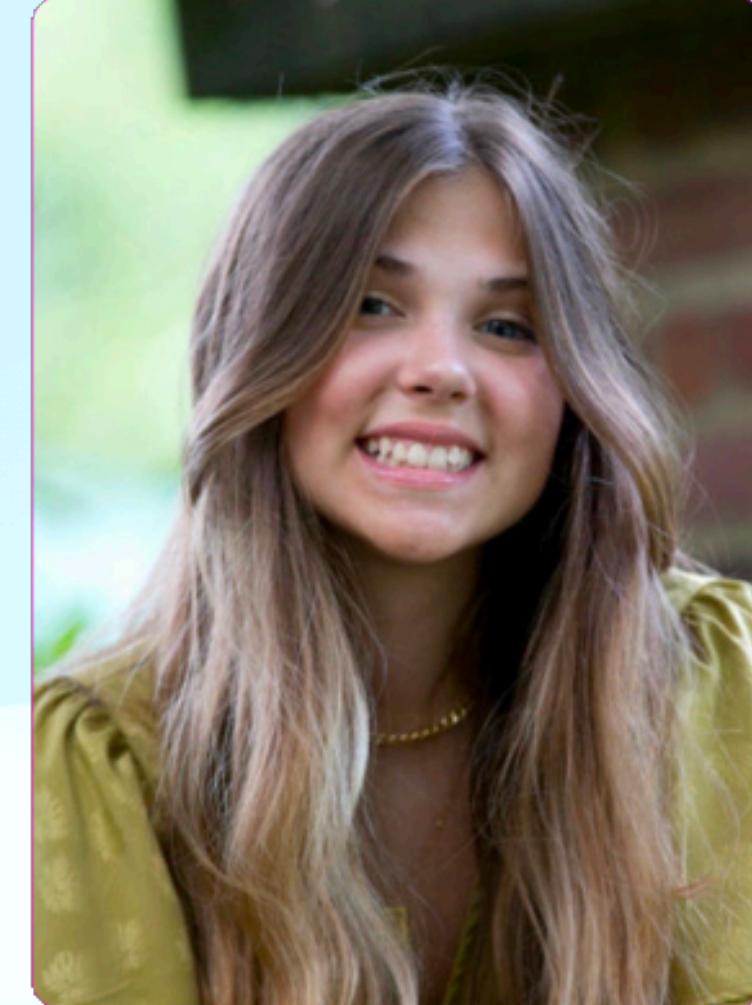
PR TECH

By: Pixel Power Squad

⚡ The pixel power squad ⚡



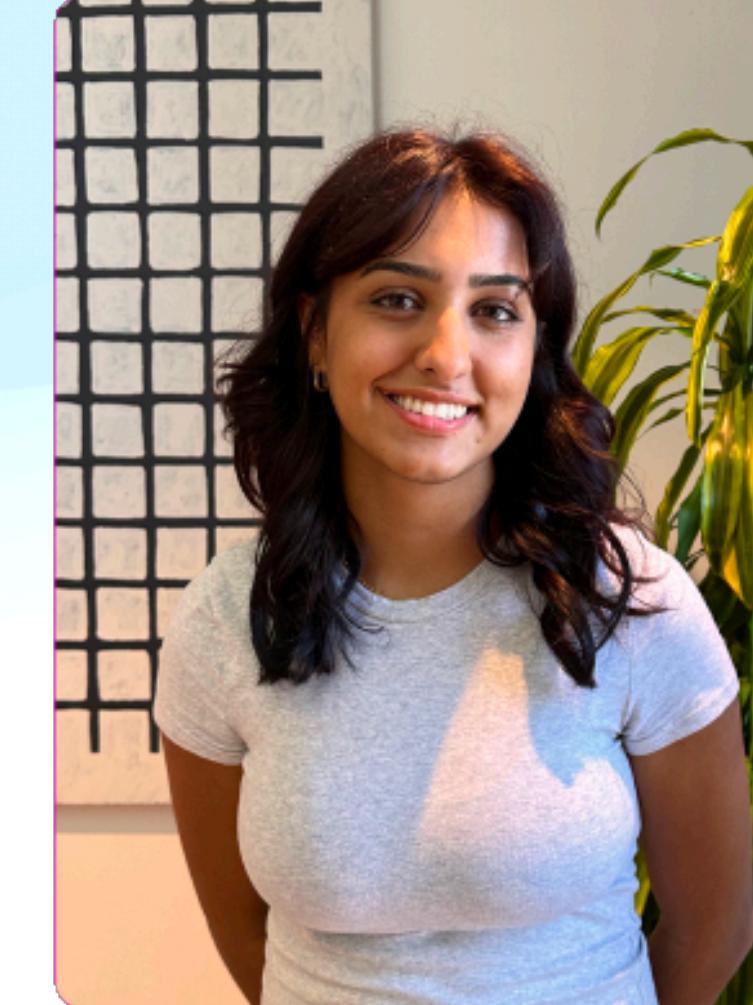
⚡ Ayten ⚡



⚡ Jessi ⚡



⚡ Kris ⚡



⚡ Reva ⚡



⚡ Shabicha ⚡

Why ProTech?

386

instances of
gunfire on
college
campuses.

Post data

3800

university fires
occur each
year.

U.S. fire administration

26.4%

of females and

6.8%

of males experience rape
or sexual assault.

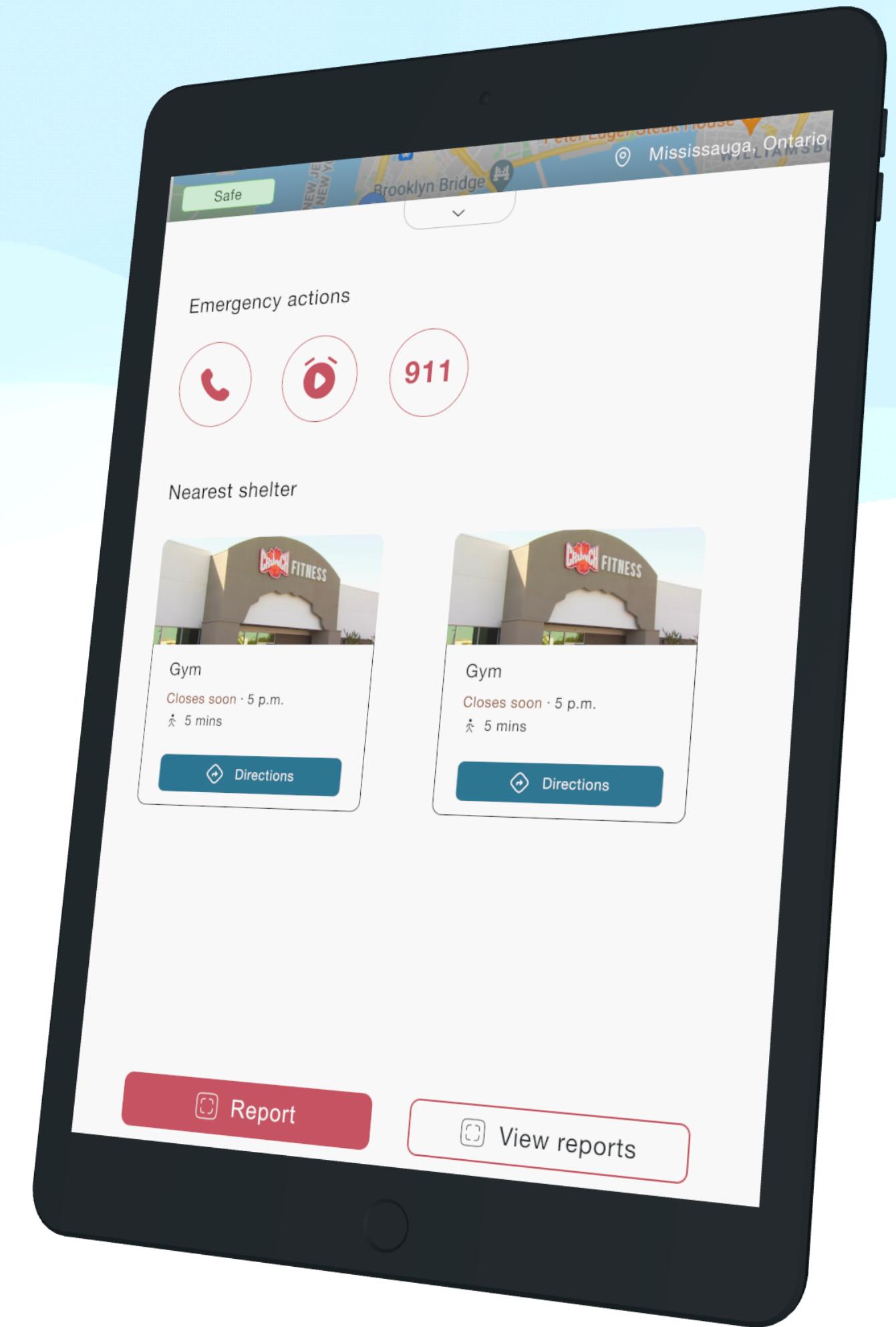
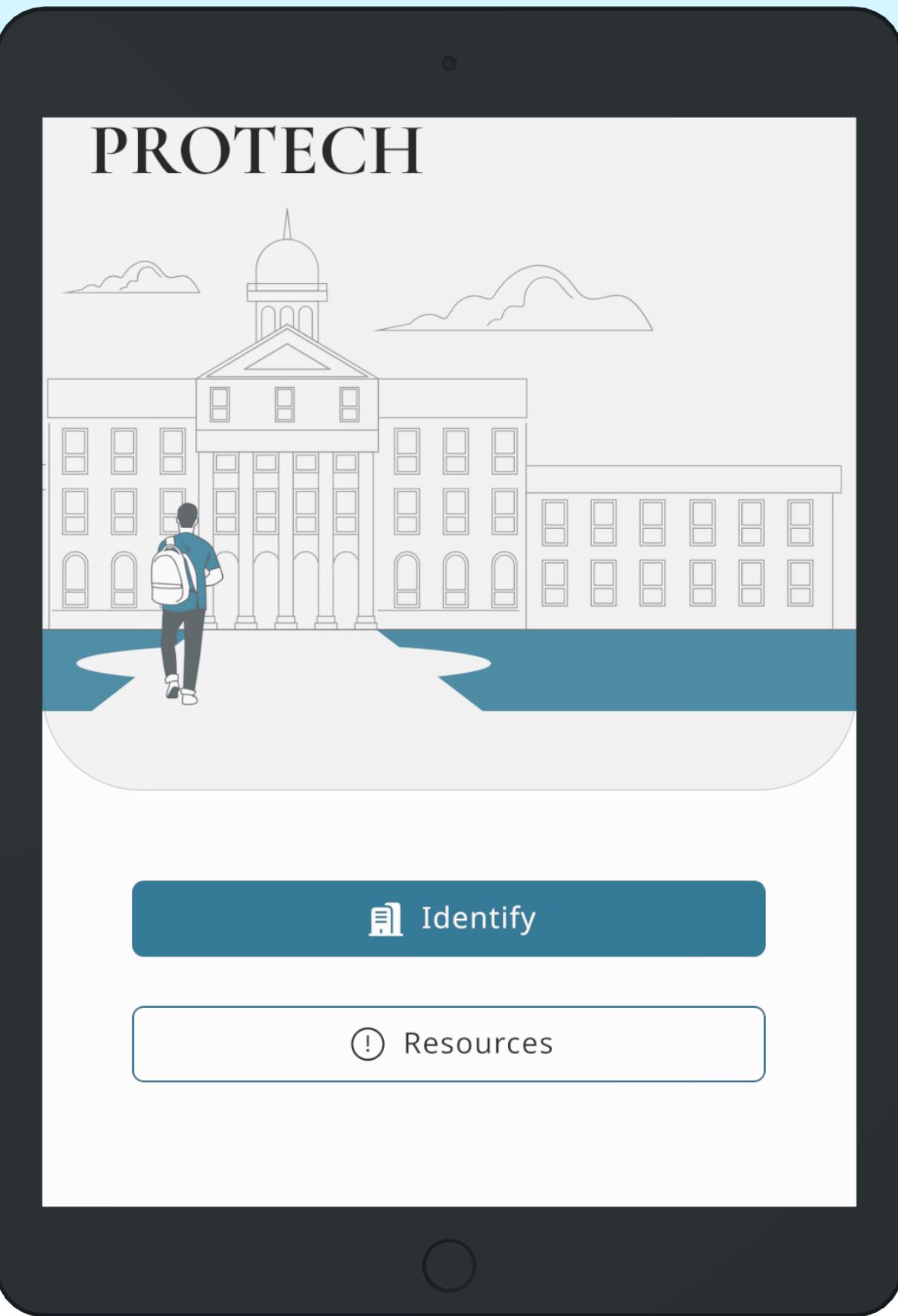
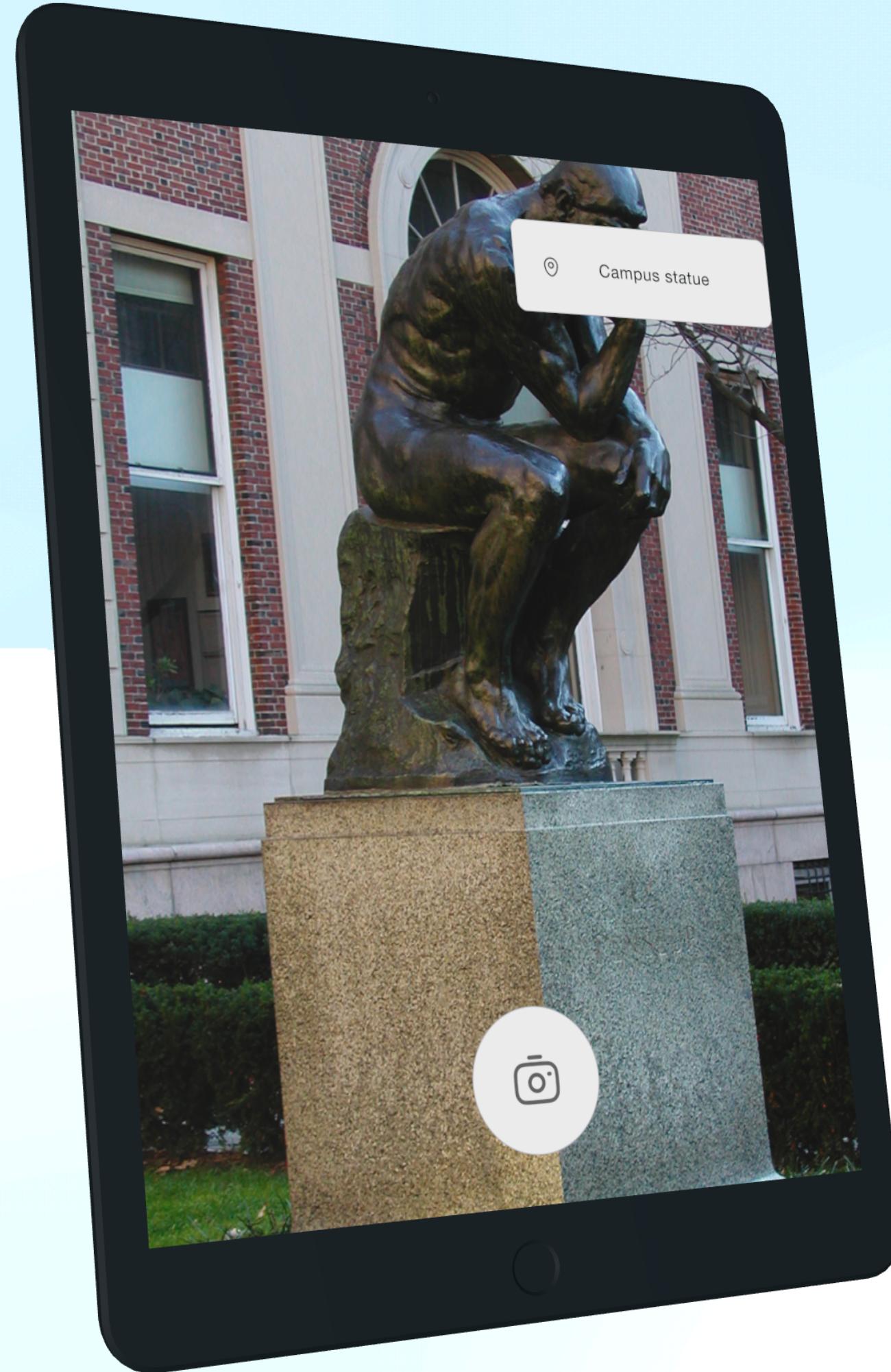
**Rape, Abuse & Incest
National Network**



PR TECH

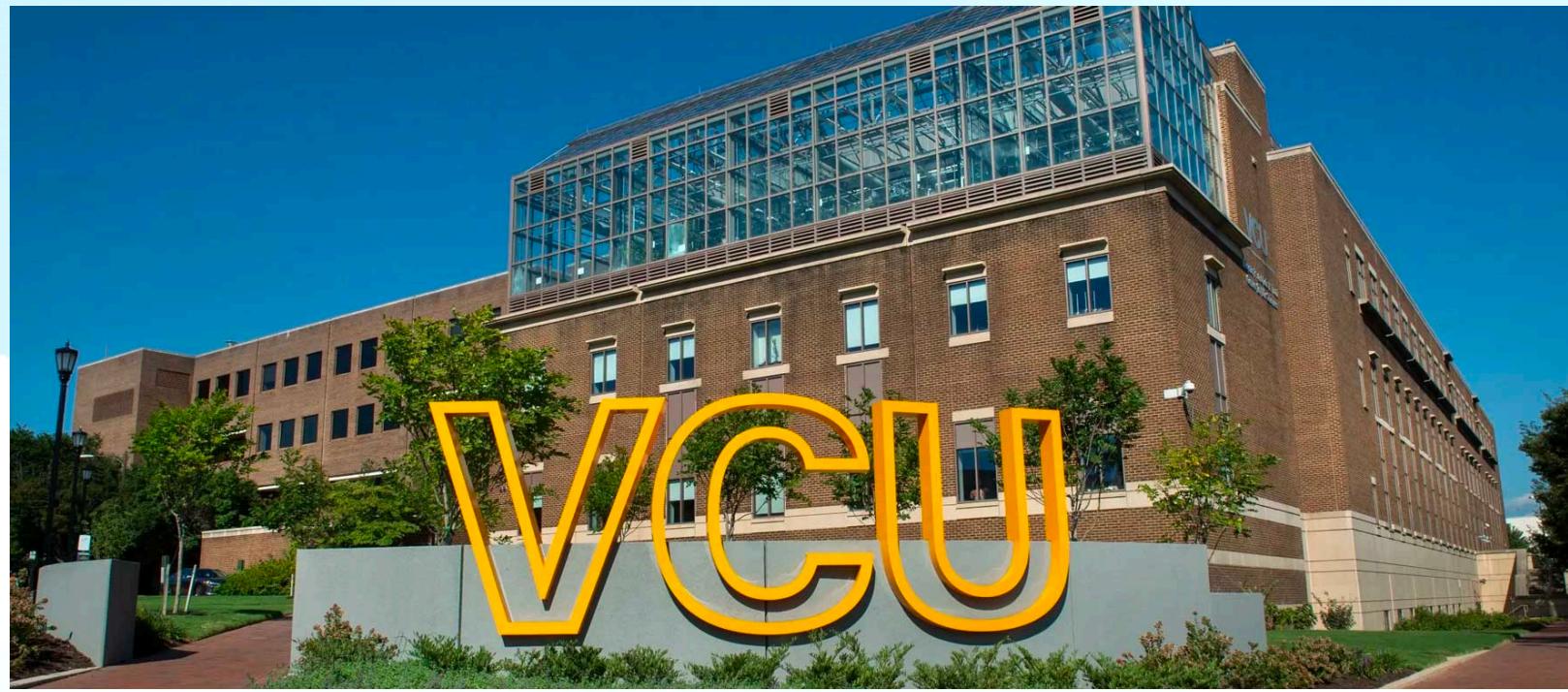
Ensuring safety, one student at a time.

Our solution



Data collection process

- Feedback >> 1 Specific College Campus (VCU)
 - Accurate dataset + Smaller target audience



• Labels

- Picked landmarks that are spread around campus + crowded
 - 7 labels (50-100 pictures for each)



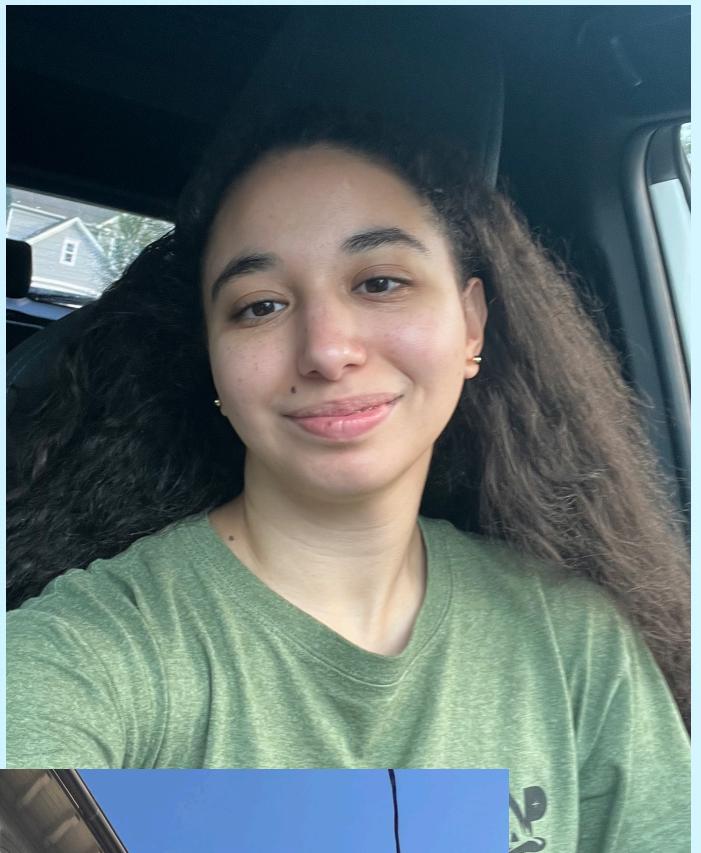
Data collection process

- **Dataset and Collecting Data**

- Realistic user data input
- On site pictures (different angles + going around the landmarks)
- Internet images (different times of day + people)



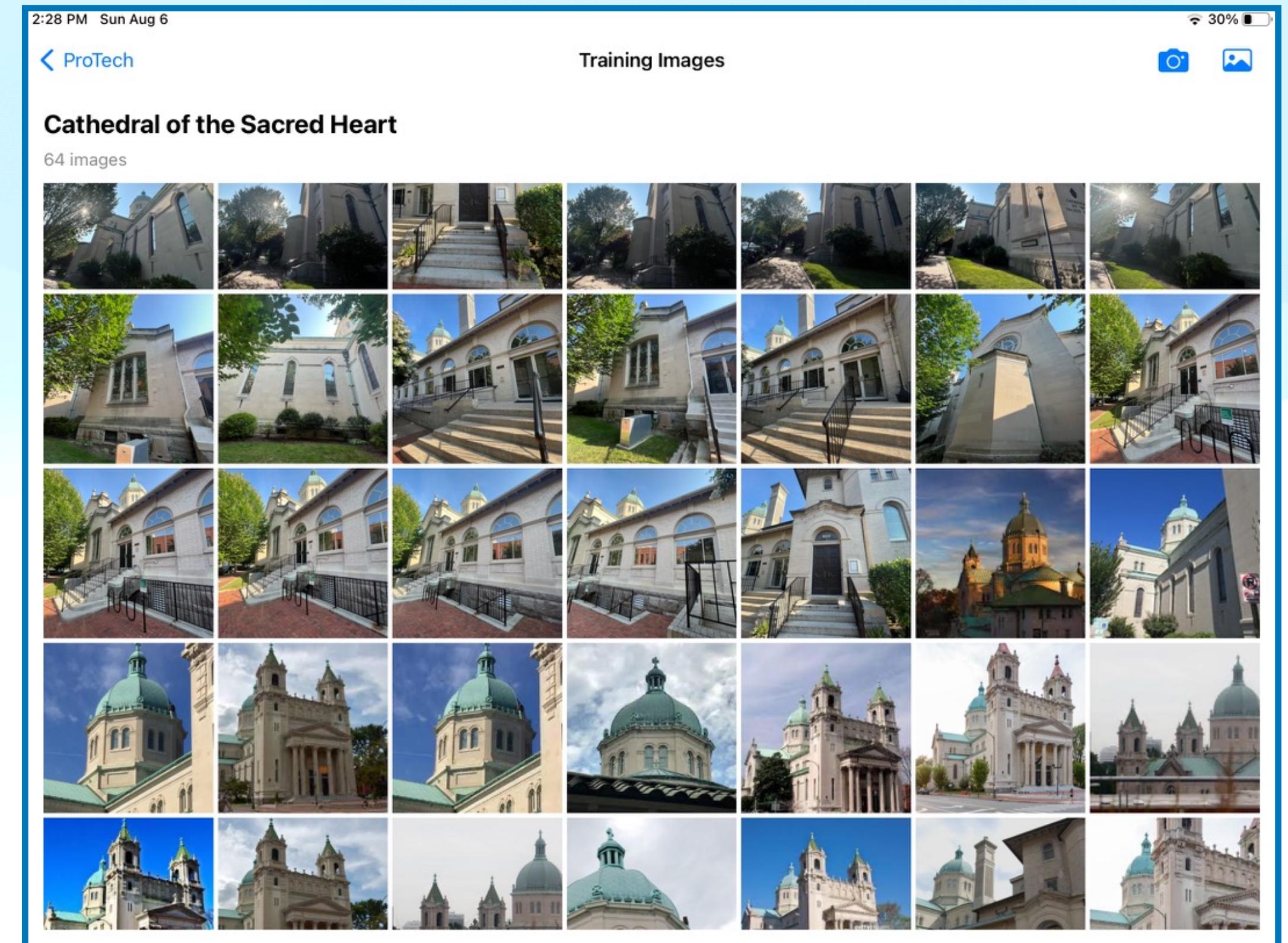
- **Testing**
- Google Earth



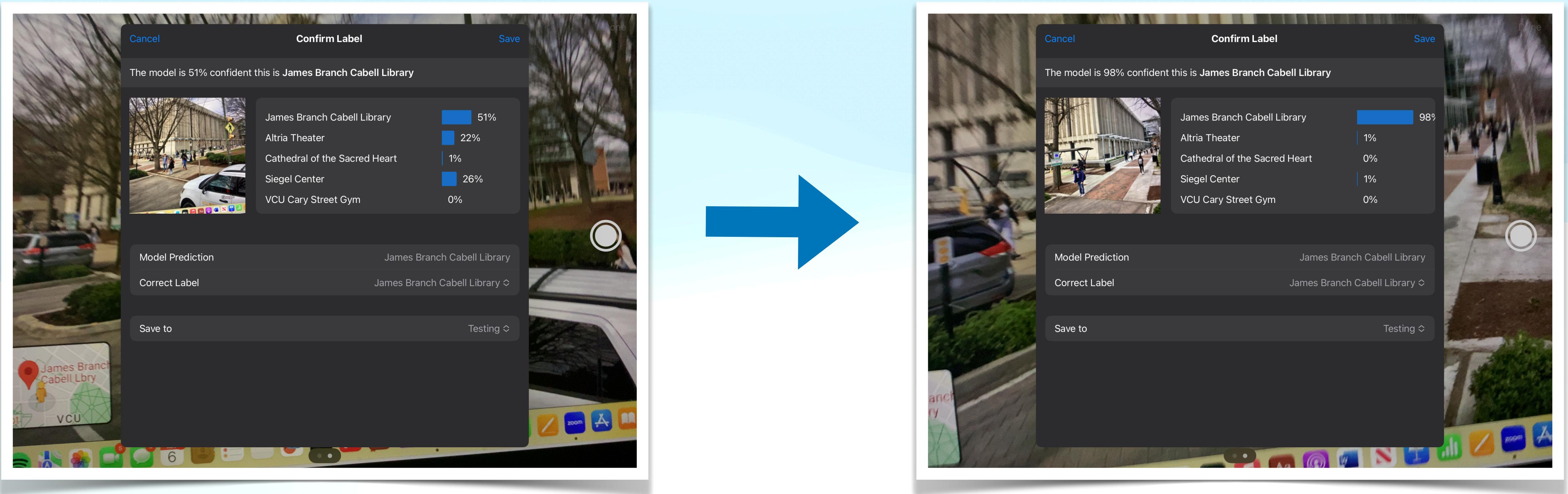
Co-ML Process

7 labels:

- Altria Theater
- Cathedral of the Sacred Heart
- VCU Cary Street Gym
- James Branch Cabell Library
- Siegel Center
- VCU Institution for Contemporary Art



Co-ML Process



Train + Test + Retest!

2:30 PM Sun Aug 6

ProTech

Prepare Train **Test** Export

Test Model

92% Correct

The model was able to correctly classify 36 of your test images.

LABEL	% CORRECT	IMAGES
Altria Thea...	100%	5
Cathedral...	100%	5
Virginia Wa...	100%	7
VCU Cary...	100%	5
James Bra...	57%	7
Siegel Cen...	100%	5
VCU Institu...	100%	5

Preview Model

VCU Cary Street Gym

5 images > + Add images



James Branch Cabell Library

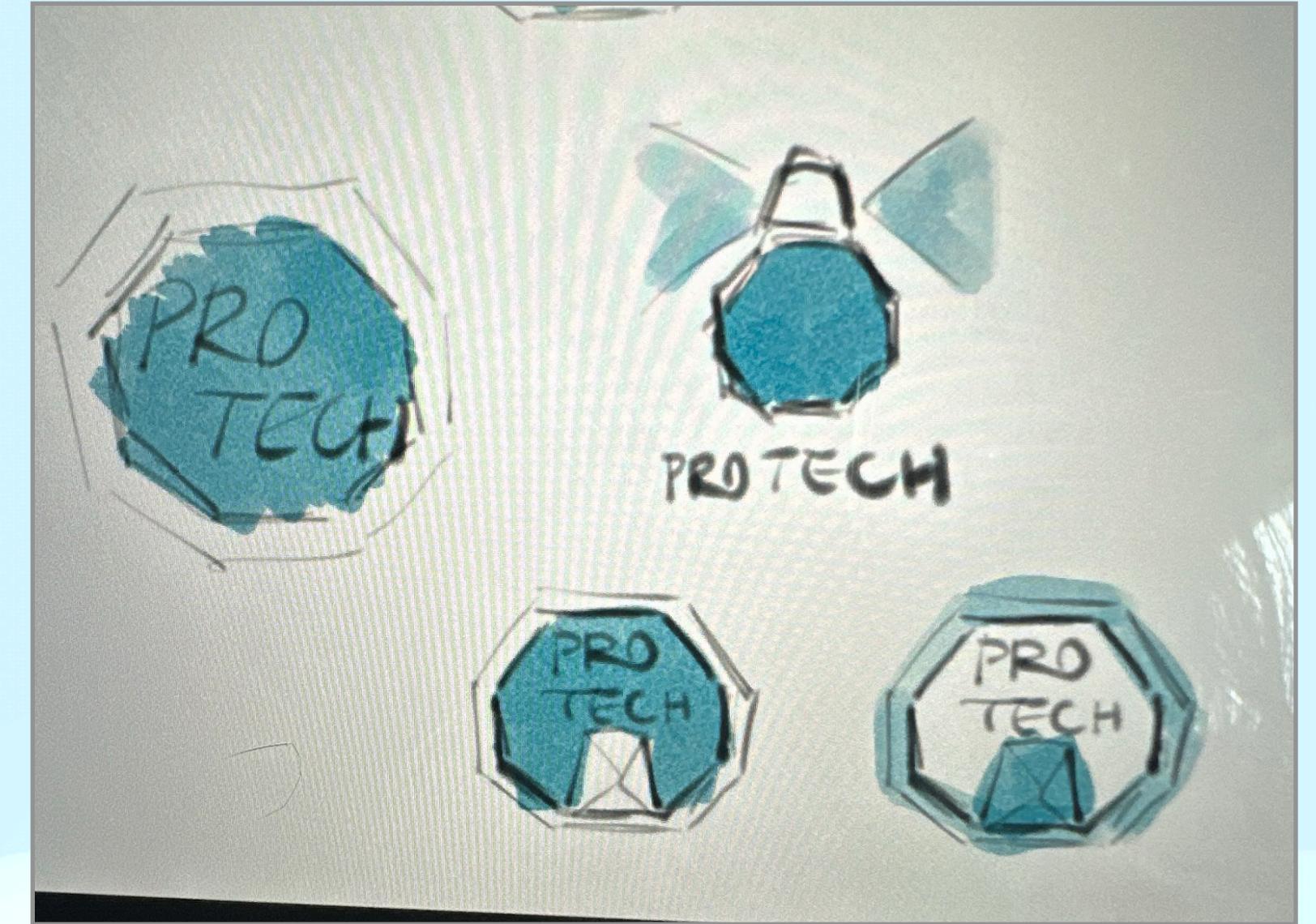
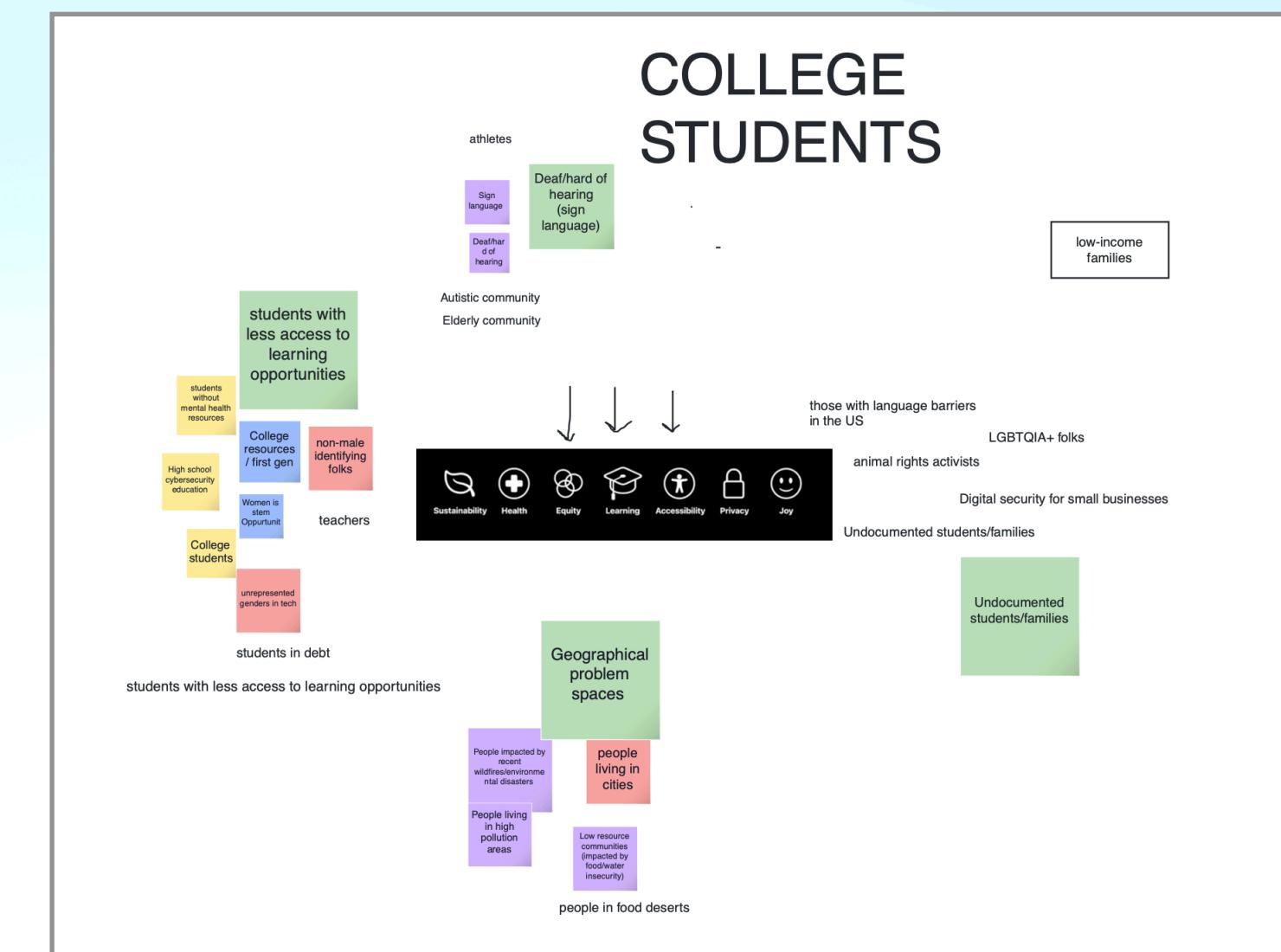
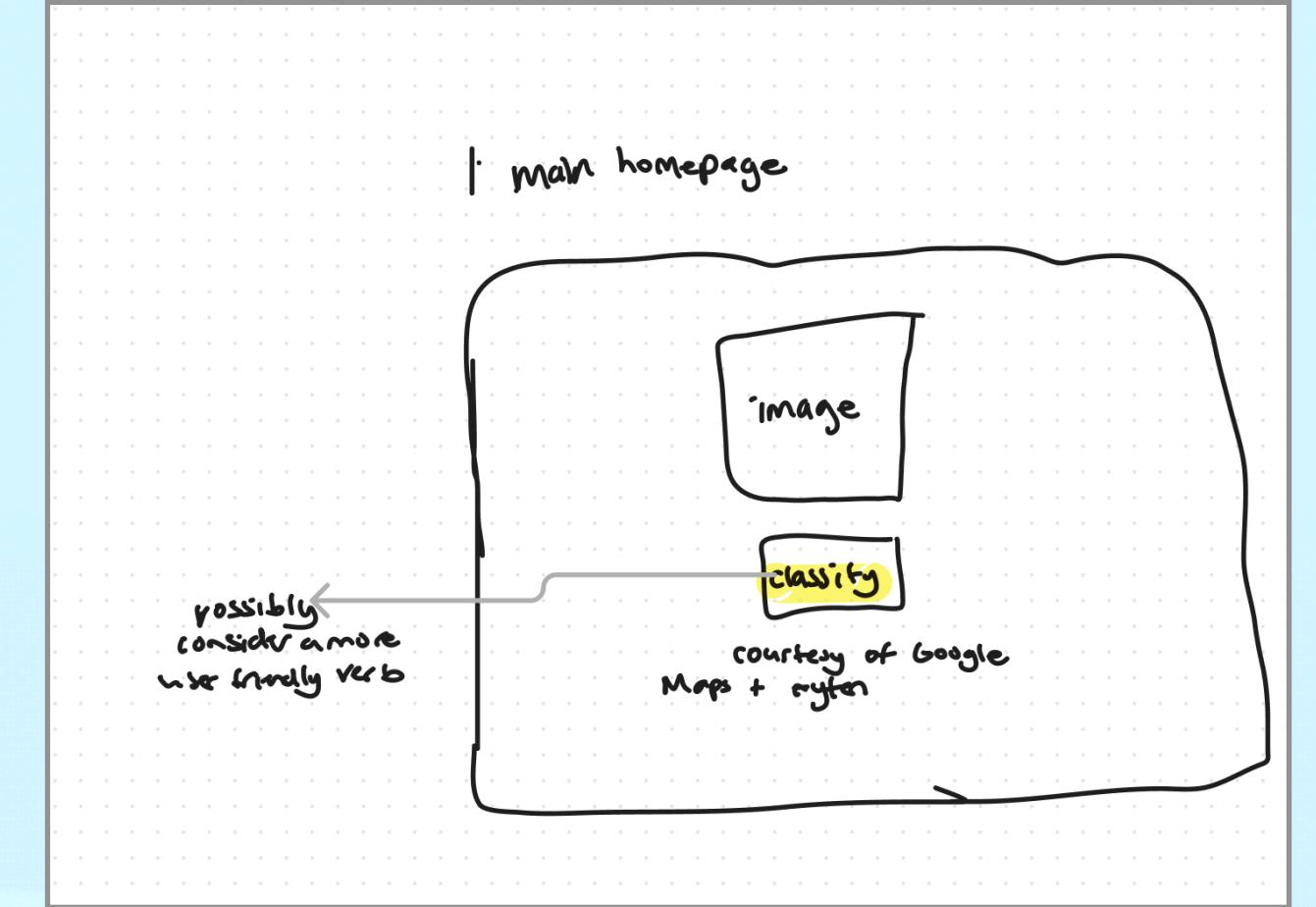
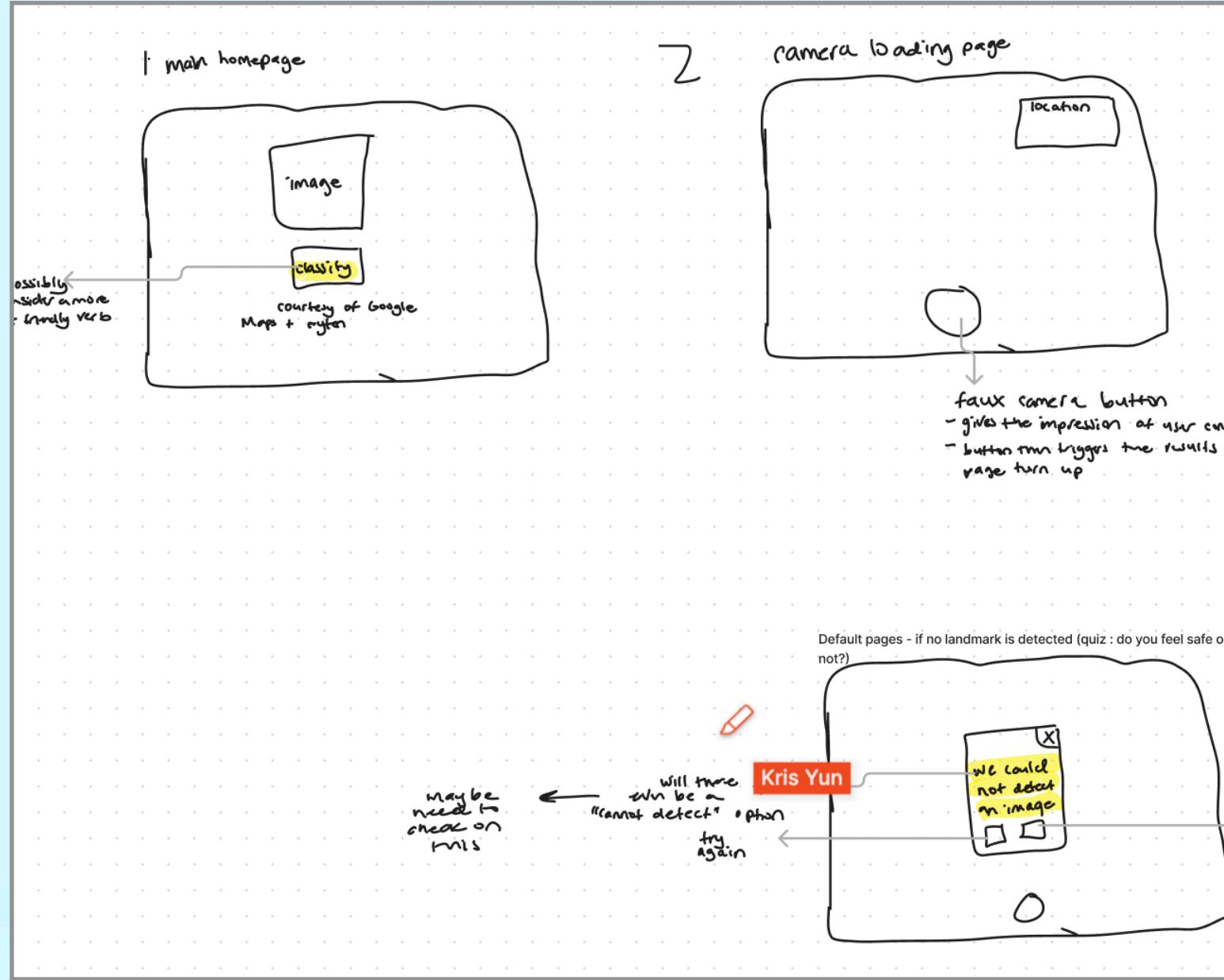
7 images > + Add images



Siegel Center

5 images > + Add images





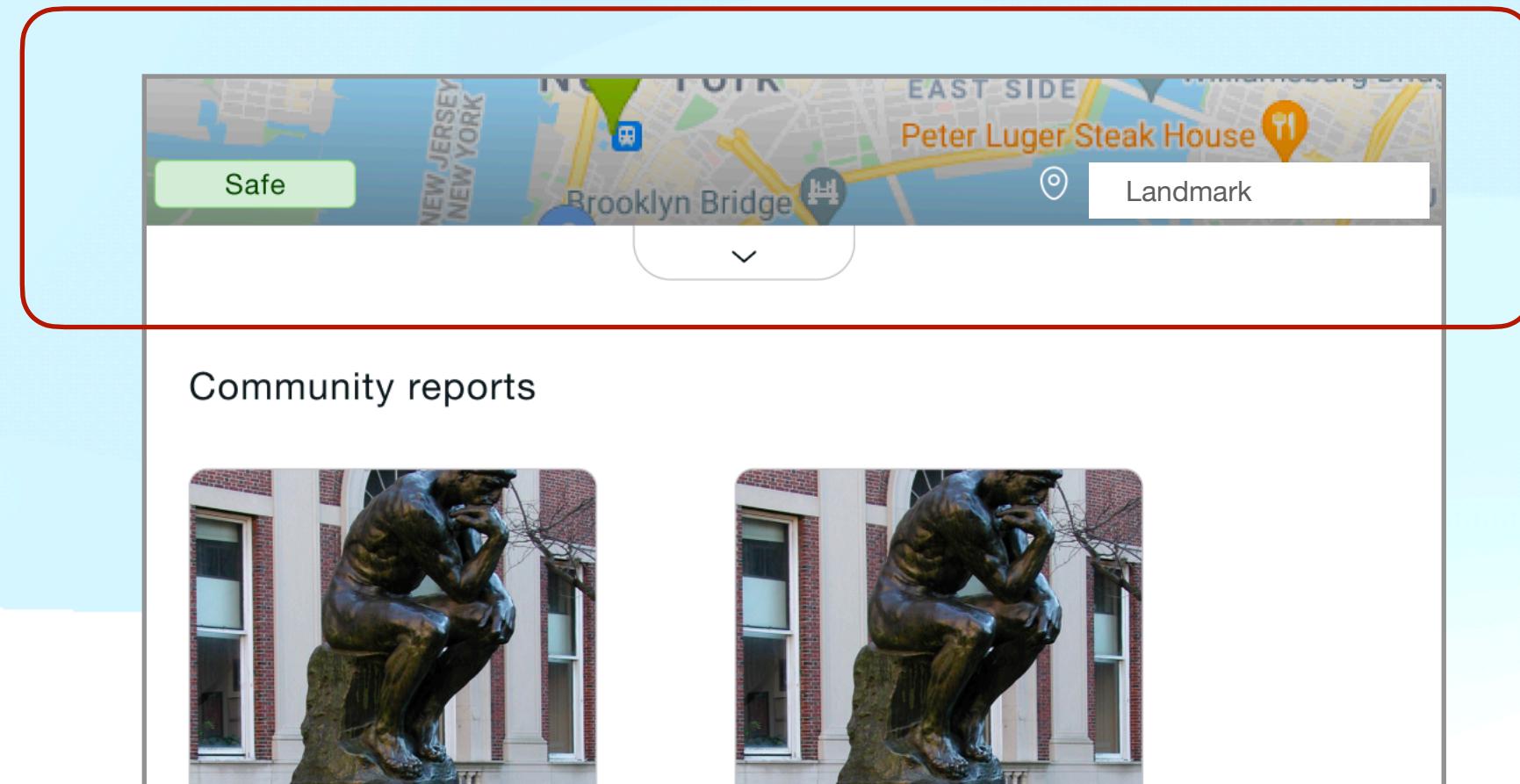
Inspiration process

Demo



Future iterations

Add maps



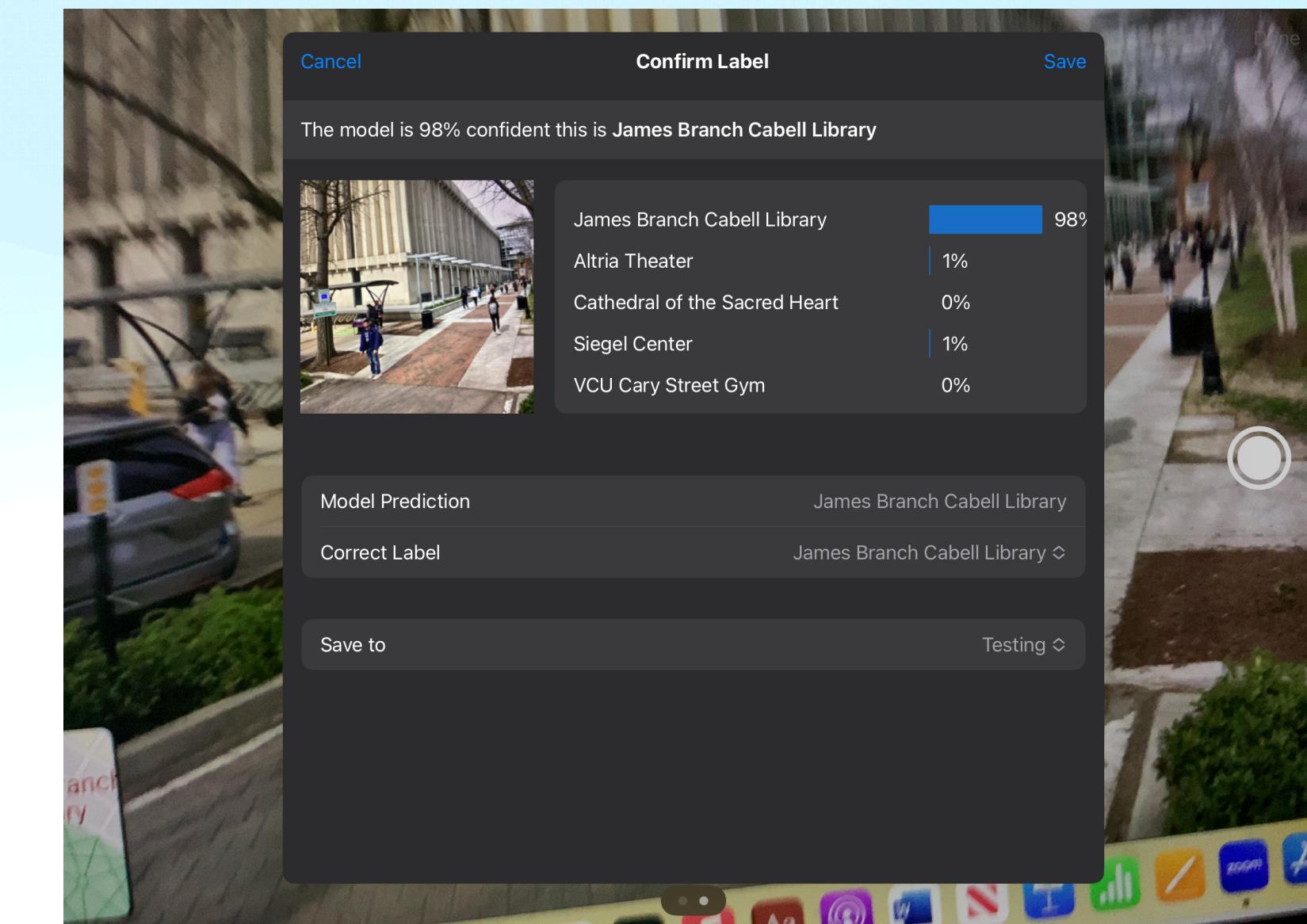
Additional safety features



Expand to different campuses



Key Takeaways



Key Takeaways



- Dataset Diversity
- Spurious Relationships

Thank you