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Points to hit:

Presentation strengths: 1 (worst) - 5 (best)

Is the weekly progress clearly stated? 1-5

Did the live demo work successfully? 1-5

Our scores last time

ž:	Overall	Weekly progress stated?	Did demo work?	
	4.52	3.92	4.2	

118/120

I think we did a great job overall, but could be clearer about stating weekly progress in the very beginning as we scored lowest on that. I think people scored other groups within the first few seconds so even though we had weekly progress indicated, it was in the very last slide, so people already made their decision at that point.

Our strengths were that it was entertaining people liked user personas, presenters evem excited

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Project	Weekly	Future	Bottlenecks
Recap	Progress	Plans	

Agenda





Plan For the Next 2 Weeks

Bottlenecks

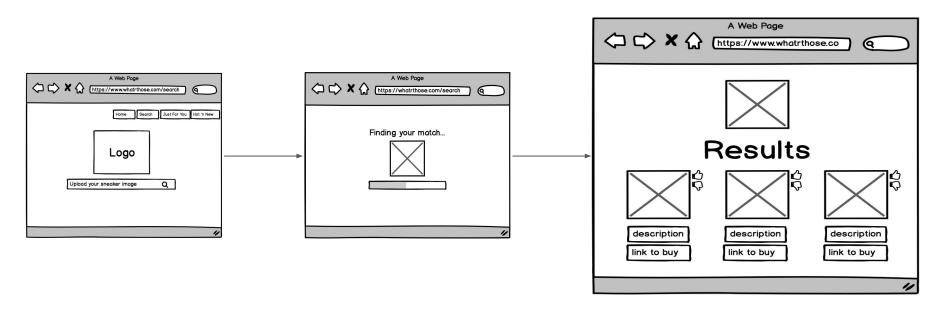




What is 'What R Those?'

Sneaker detection and classification

Tell users what brand and model a sneaker is from an image



How does it Work?





- 1. User loads an image to the website.
- 2. Image is uploaded to an S3 bucket.
- 3. Flask calls FastAI Model to classify image.
 - a. Create Bounding Box (Faster RCNN) →
 Model Classifier (ResNet34 CNN) → Results (class label, probability)
- 4. Serve results to frontend.



Weekly Progress



Front/Backend Development

- Created new pages (About/Home, Results)
- Connected backend with deep learning models
- Improved UI



Data Science

- Tuned accuracy of models to >95%
- Exported models for use in Flask
- Tagged 300 more images for a different brand







Frontend Progress





Flask-WTF Forms

- Image Upload, Drag and drop
- Connection to S3



Message Flashing

- Correct file format (.jpg, .png, ...)
- Reach certain accuracy



HTML, CSS, Javascript, Bootstrap

- Webcam access
- Homepage, About, and Results page update
- UI (Navbar, Carousel, ...) 0

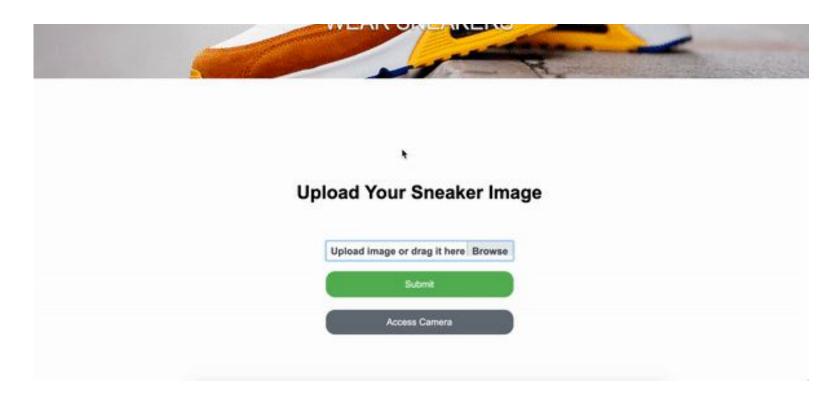








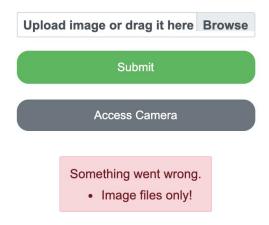
Image Upload + Drag and Drop



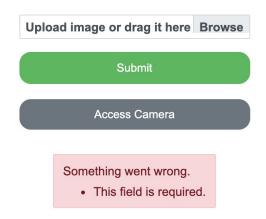


Message Flashing

Upload Your Sneaker Image

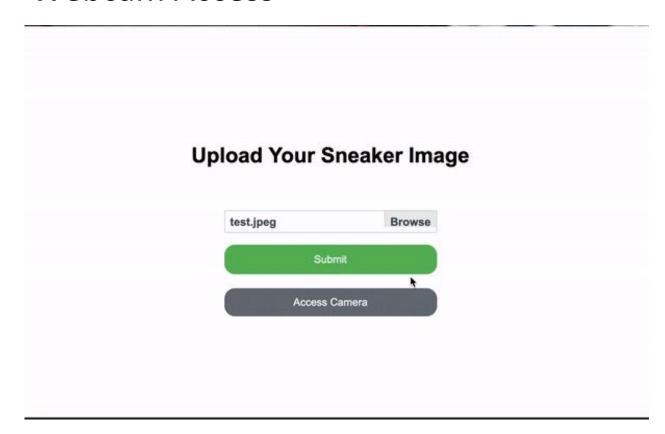


Upload Your Sneaker Image





Webcam Access



Next Steps..

Frontend / Backend:









Data Science:







Bottlenecks and Solutions



Bottleneck: Labeling images for new brand

Solution : Entire team helps label images

Bottleneck: Finding and Labeling images for **lit** shoe varieties

Solution : Entire team helps label images

Bottleneck: Bounding Box model is too large for github

Solution : Try S3 or Github Large File storage



Live Demo!