I'll have what she's having

Deep Learning project for Metis

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Why?

Data

Collect → **Clean** → **Separate**

- Photos were downloaded directly from Google, using a batch downloading extension for chrome

- Recipies and ingredients for cocktails were pulled from thecocktaildb.com

- Manually scanned each photo to remove noise, and crop *some* distracting backgrounds

- After cleaning, separated 50 photos per cocktail into a separate training folder

Margarita

Old Fashioned

Aperol Spritz

Mojito

Pina Colada
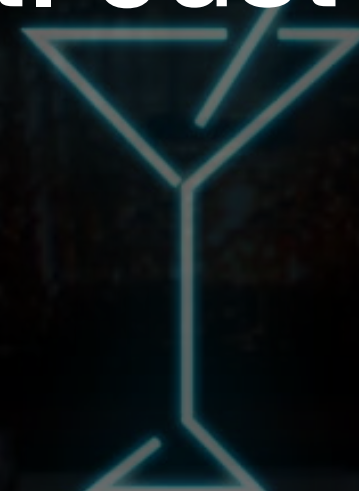
Mimosa

Moscow Mule

Bloody Mary

Cosmo

Irish coffee

Modeling Methodology

Surprisingly, these scores did not come from transfer learning.

Then expanded to more classes, and began to tune the hyperammers

I started off small to test the viability of the project. Just 3 classes

	Train	Val
Base	70%	74%

	Train	Val
Tuned	51%	48%

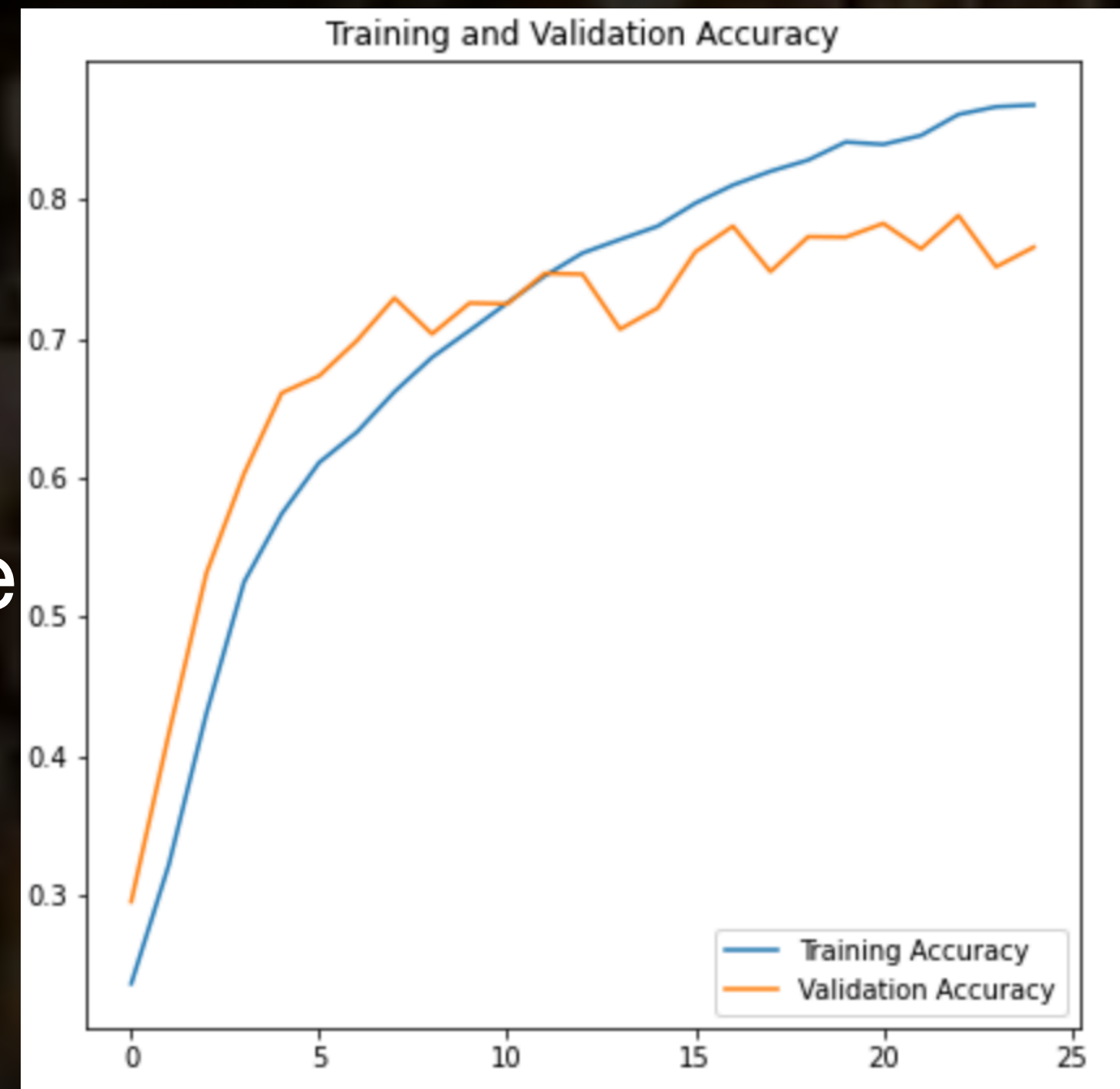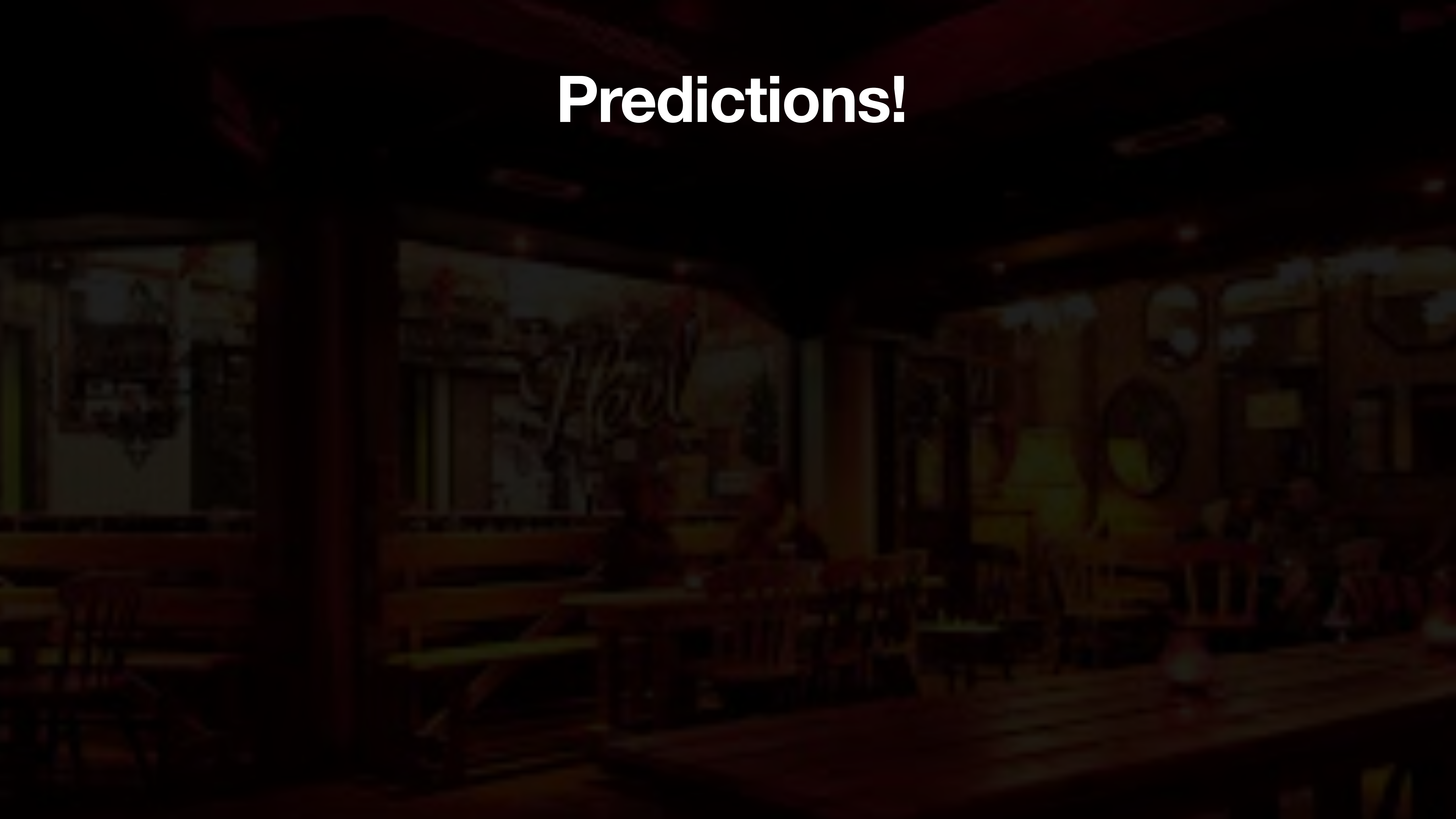|	Train	Val	Test
	80%	78%	75%

Tuning the final model

- 5 Convolutional layers, ranging from

- 6 Dense layers including the optimizer

- 17 Epochs seemed to b

Predictions!

Future Work

- SO MUCH

- More cocktails, more pictures, more time to tune and test different models.

- On the app side - could be further developed to show varieties, like strawberry/jalepeno margarita