Universidad de las Américas Puebla

Progressing in the Project PT 3

Ximena Vazquez Mellado Flores, 171319

Alejandro Sánchez González, 167299

Humberto Alejandro Zepeda González, 174653

Mobile App Development - LIS4012

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Ximena:

I designed and developed the home screen, scanning screen, results screen and error screen for the app. Since the camera function is currently being developed by Alejandro Zepeda and the AI model is being developed by Alejandro González, the scanning screen was implemented using a timer to simulate the scanning time, and the results being displayed are placeholders until the app receives the correct data that the AI model sends.

https://github.com/ximenavm7/fruit-lens-app/tree/main/fruit-lens

Alejandro González:

I am working on adding the fruit freshness detection feature to our app using the 'fruits-quality-jhcct' model from Roboflow Universe (https://universe.roboflow.com/bingjun/fruits-quality-jhcct/model/1). This model, trained on 768 fruit images, will help me identify whether if a fruit is fresh or not by analyzing photos taken with the app. I'm planning to connect to the model through Roboflow's API, which will process the images and send back results like 'fresh' or 'rotten' for me to show in the app. Right now, I'm setting up the basics, like getting the API key and figuring out how to link the app's camera to the model. My next steps include testing it with some fruit pictures and making sure it fits smoothly into my app.

Humberto Zepeda:

I am working on the camera and photo acces, following a tutorial I found about react. Since the technology for camera access mentioned in the react docs is currently dprecated. Implementing camera functionality in React Native - DEV Community This package allows you to access tge camera from the component and manage camera permissions better.