



IPROVIS

INTELLIGENT-PRODUCT-VISION-SYSTEM



INTRODUCTION



This project aims to recognize products in retail sectors such as supermarkets, clothing, food, electronics, and others using computer vision technology instead of barcodes or QR codes. The system is designed to develop a mobile application that allows users to access product price information, compare prices across different stores, obtain product content information with multilingual support, and gain detailed insights about products.

SOLUTION



Clear and concise presentation of the results is important. The results can be presented using tables, charts, graphs, or any other type of visual aid. Add brief textual explanations into the images which illustrate the significant findings. A reminder that while the images offer supporting evidence, the text should summarize the most important findings.

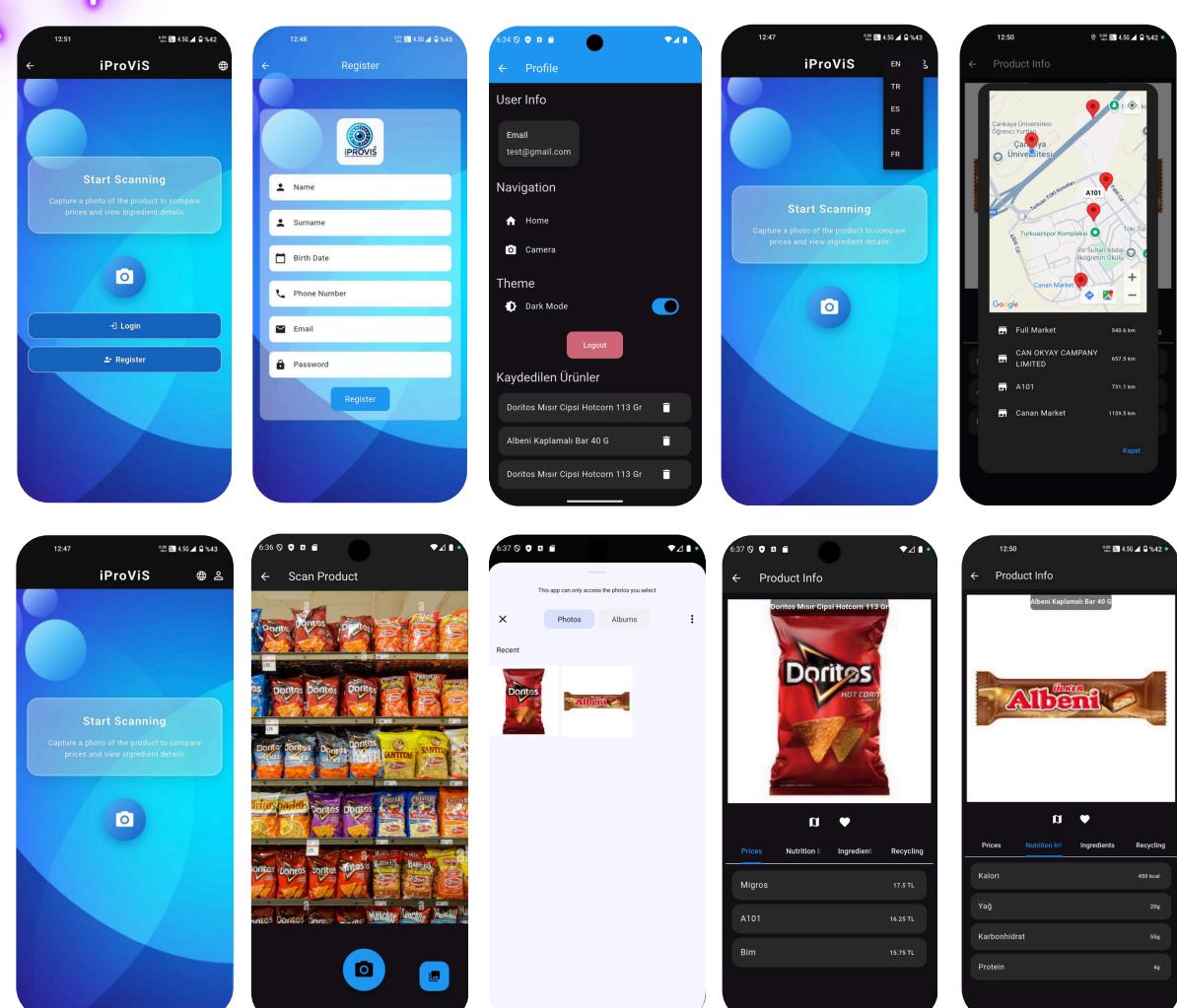


Figure 1: Application Interface

RESULT & CONCLUSION ➤➤➤

iProViS successfully delivers an AI-powered solution that transforms the modern shopping experience. Through real-time product recognition, price comparison, and eco-awareness features, it enables users to make faster, smarter, and more sustainable purchasing decisions. By combining computer vision with dynamic market data, our system proves both technically feasible and socially impactful—bridging the gap between digital convenience and real-world needs.

ABSTRACTION

This artificial intelligence-based vision system is designed to provide users with the ability to easily identify the cheapest products and locate the nearest availability of these products. The document provides detailed information about the project requirements, addressing identified constraints, and the proposed software functionalities. It also outlines the software technologies utilized in the project's execution, highlighting the positive impacts these technologies have had on overall system performance.

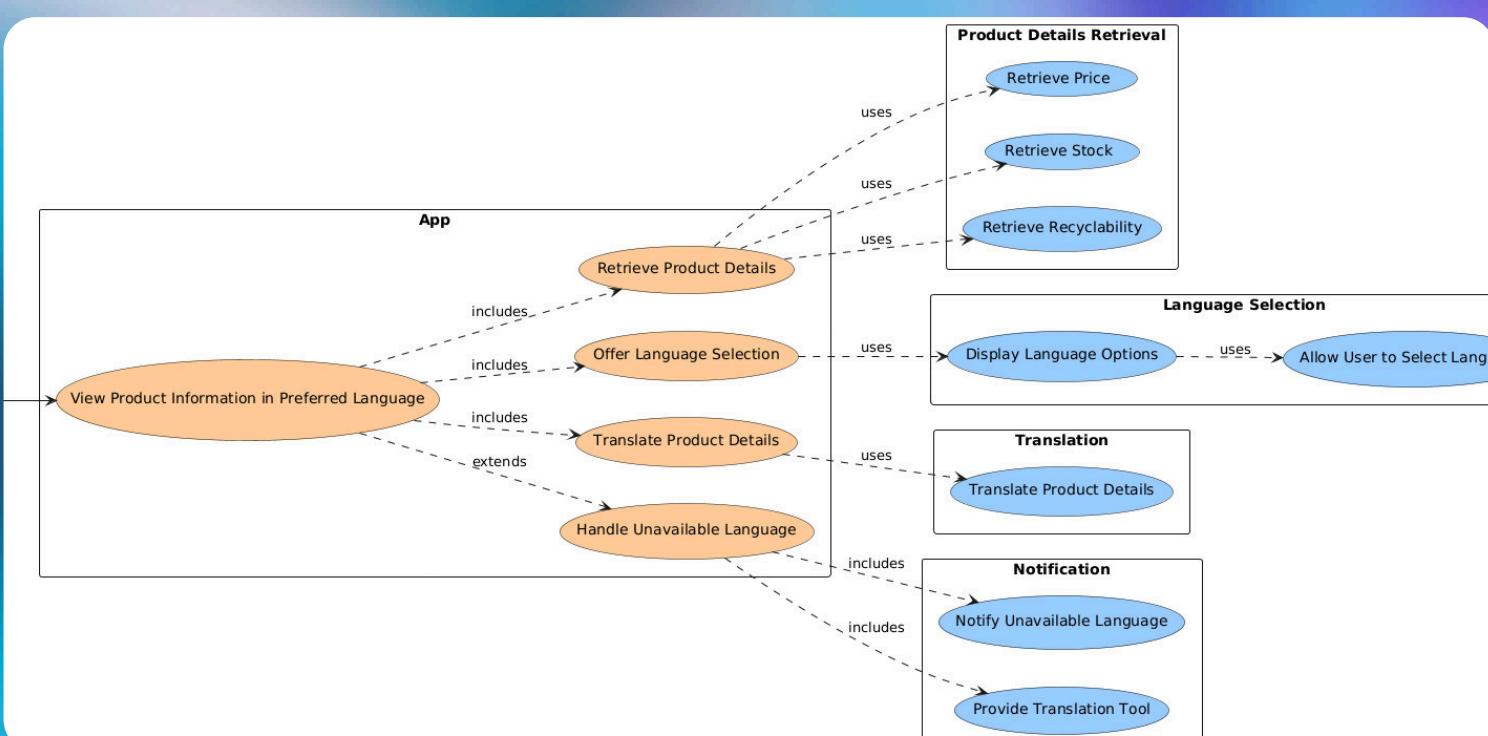


Table 1. Use Case Diagram



Figure 1: Instructor and Project Team

ACKNOWLEDGEMENT

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