



CartGenie

Project Code: 25-2-D-20

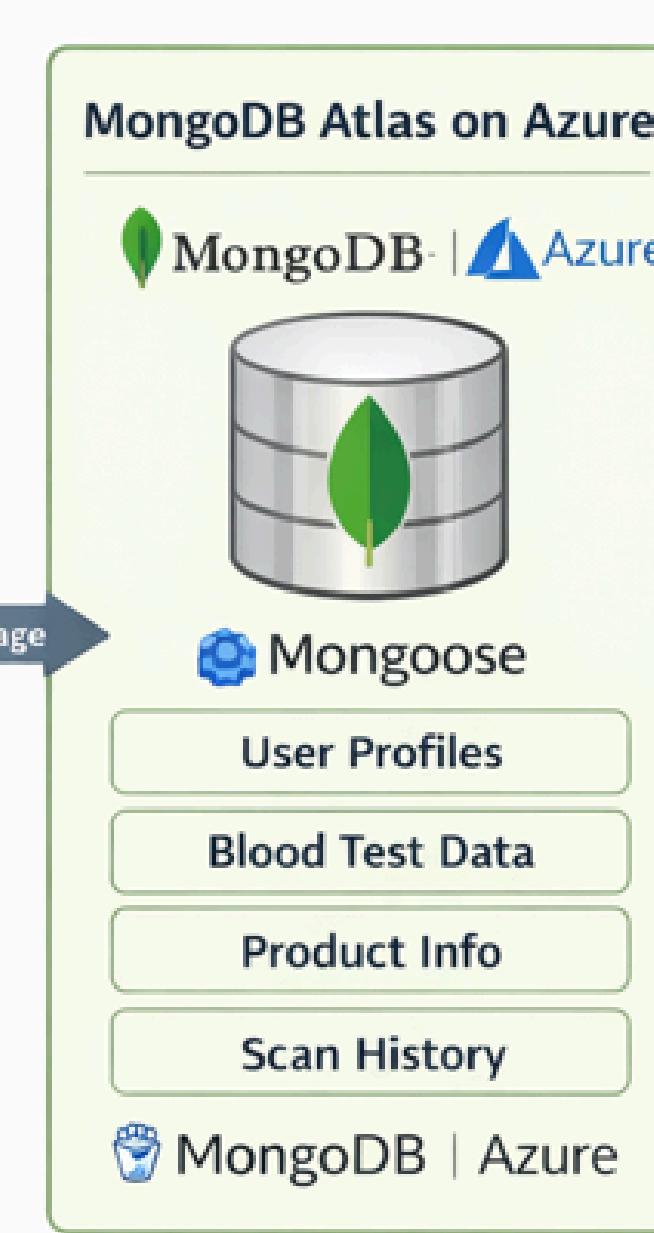
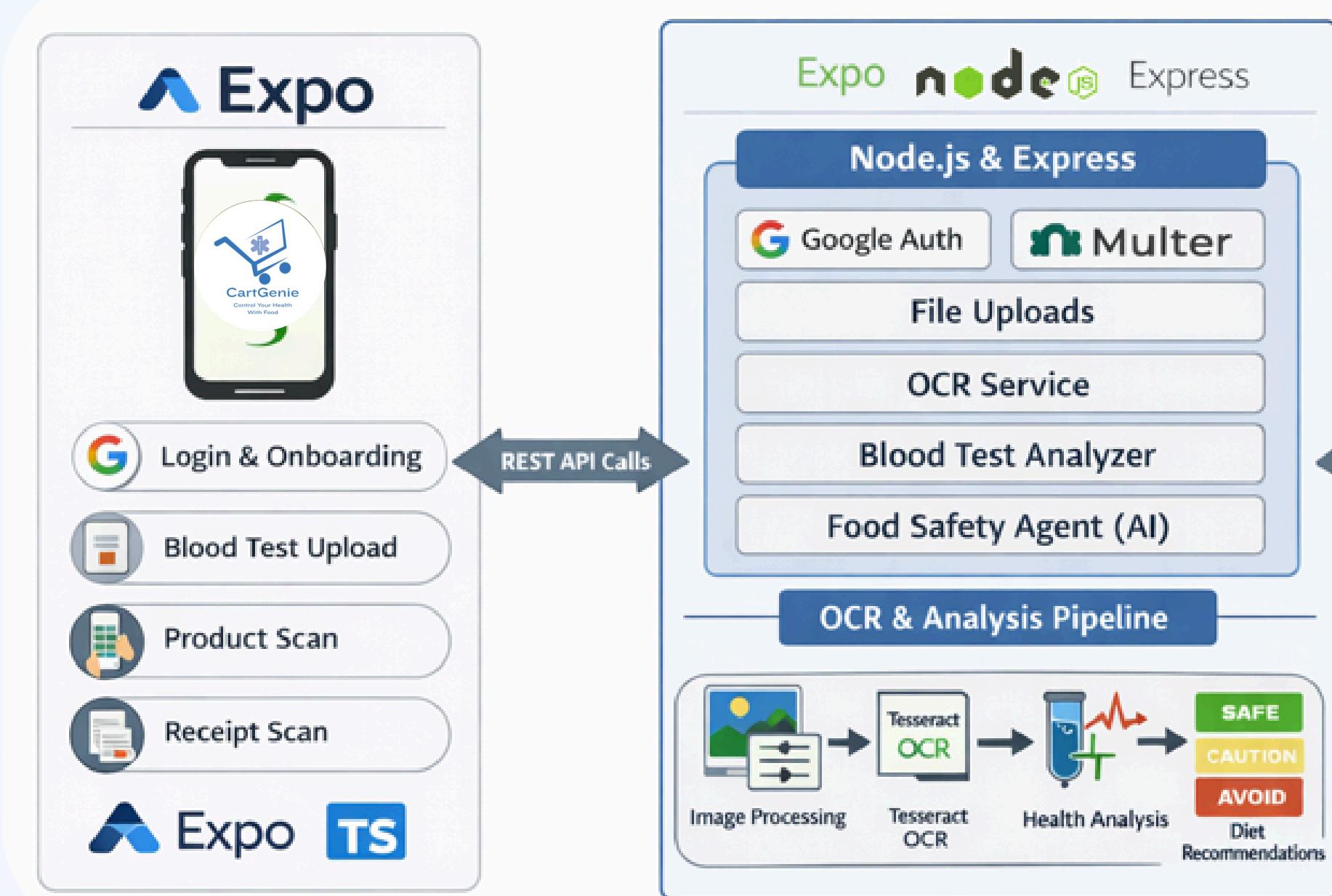
Available only for
Android

The Problem

There is a disconnect between personal health needs and daily grocery shopping.

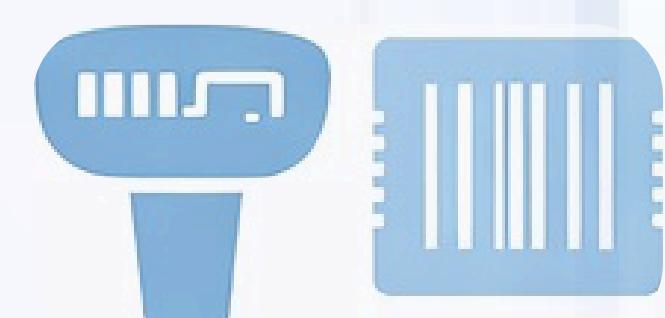
- **Vague Advice** - Medical guidance is often too generic to help with specific store choices.
- **No Integration** - Existing apps lack medical data integration (e.g., blood tests).
- **Harmful Choices** - Users unknowingly buy food detrimental to their conditions.

System Architecture



Project Metrics, Goals & Compliance (KPIs)

Technical Performance



~2s Barcode Scans

~ < 10s Receipt Processing

99.9% Uptime

AI Accuracy



~ Health risk products identification

~ Receipt Parsing

100% Safe/Avoid label consistency

User Experience



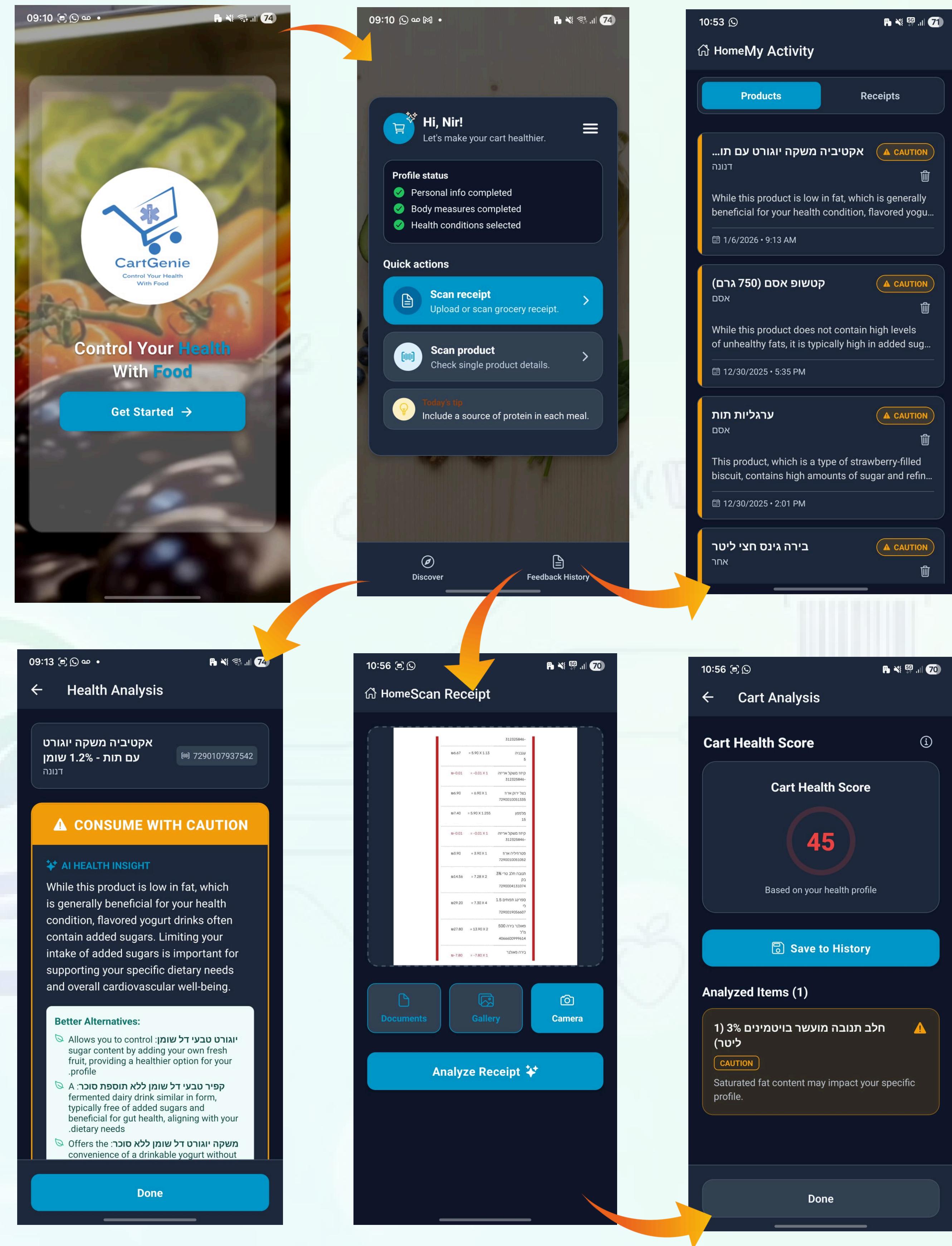
- iOS & Android App (iOS tested locally, not published)
- Setup <2 minutes

The Need

A smart platform is needed to bridge the gap between diagnosis and diet.

- **Automation** - Provides automated, health-based guidance during grocery shopping based on blood test data.
- **Guidance** - Translates medical info into specific product recommendations.
- **Feedback** - Scans receipts to verify purchases align with health goals.

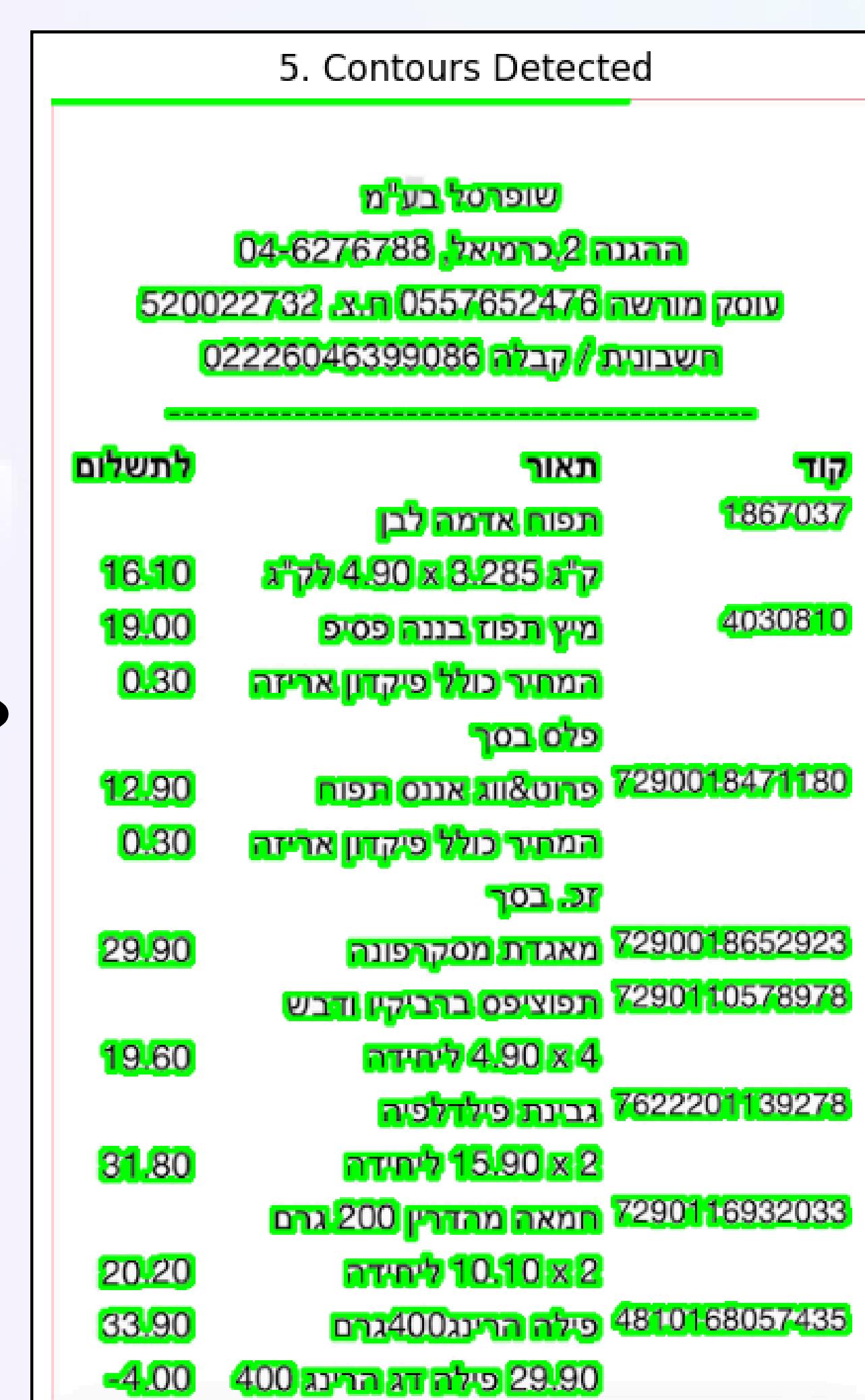
Application Pages Examples



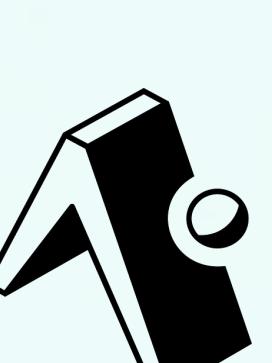
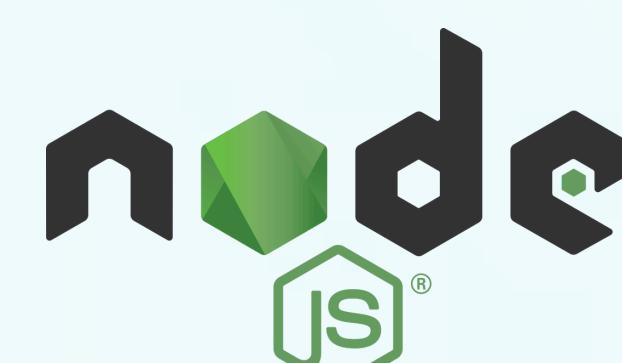
Conclusion

Fast, Accurate & Reliable AI-Powered Platform

Tesseract OCR Example



The Technologies



Google G
Tesseract OCR

Gemini



JavaScript
JS

mongoDB®

Azure

