DAMAGE DECODER

AI based car damage inspection reports

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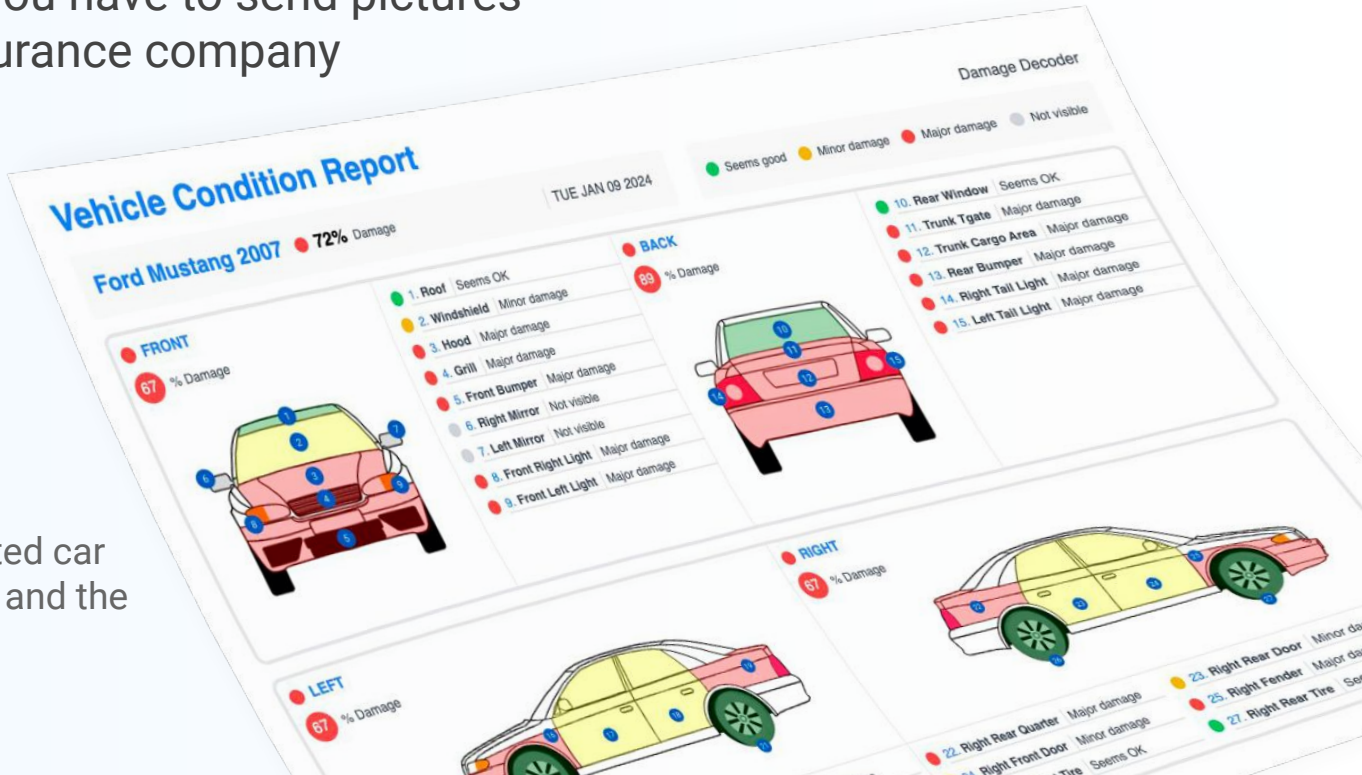
PROBLEM

I had a car crash, help

After a car accident you have to send pictures of your car to the insurance company for evaluation.



Challenge

Generate accurate automated car inspection reports using AI and the car crash pictures.

SOLUTION

Generate instant, accurate reports

Meet **Damage Decoder,**
your AI-powered vehicle inspection assistant.

1
Efficiency and Accuracy

Rapid, precise vehicle damage assessments using advanced Gen AI Vision, reducing time and human error.

2
Cost-Effective

Lowers operational costs and resolves damage disputes, enhancing customer trust and brand loyalty

3
Data-Driven Insights

Provides actionable analytics for maintenance and operational improvements, scalable for businesses of all sizes.

How it works?

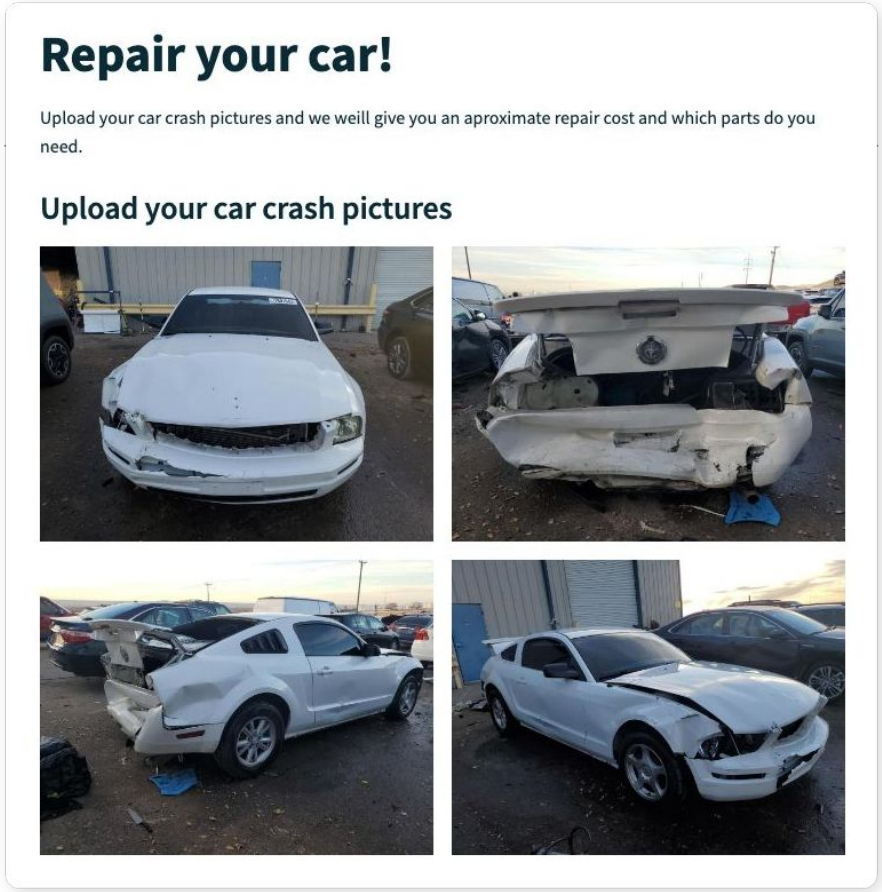
How it works?

Step 1

Upload car pictures

Your customer **upload pictures** of the vehicle angles: front, back, right, and left.

You can choose between GPT-4 Vision or Gemini Pro Vision to do the analysis.



How it works?

Step 2

Damage Analysis

DamageDecoder will analyze the pictures and **evaluate each of the cart parts** independently assigning a damage score.

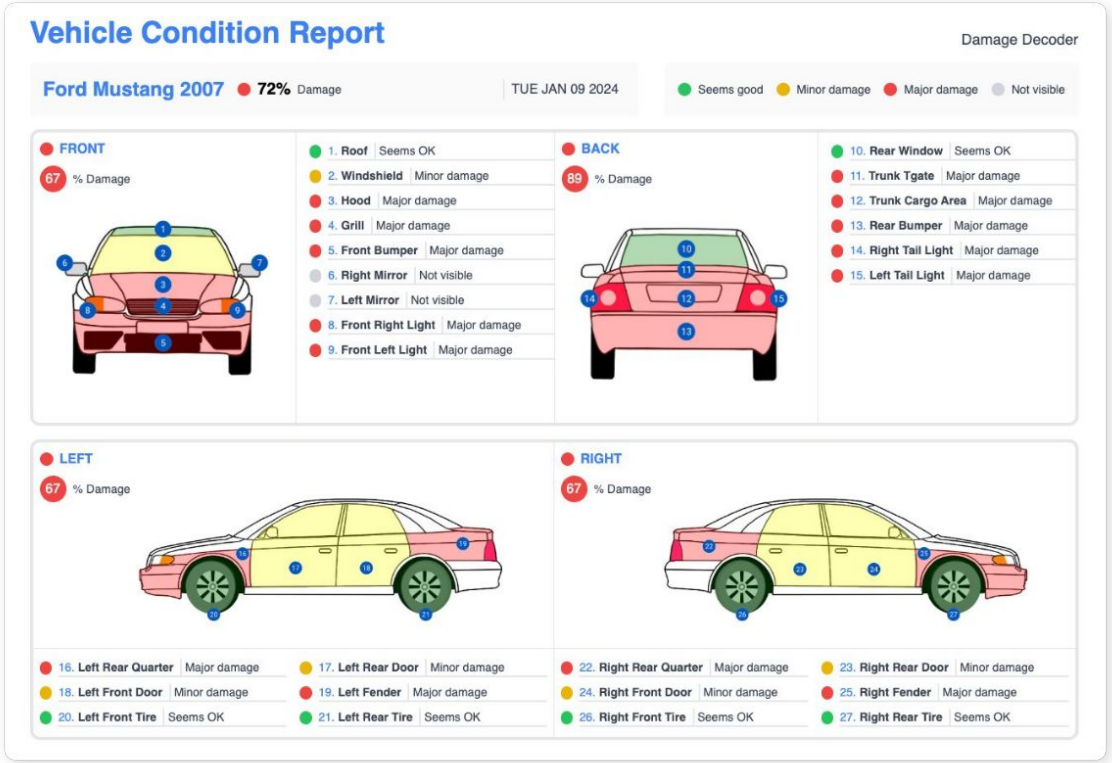
How it works?

Step 3

Inspection Report

In a couple of seconds a **PDF report** is generated you can send back to your customer.

This report will contain the damage of each of the car parts.



Demo Time!

Technologies

We use top-notch gen AI vision technologies to analyze the car damage.

LlamaIndex

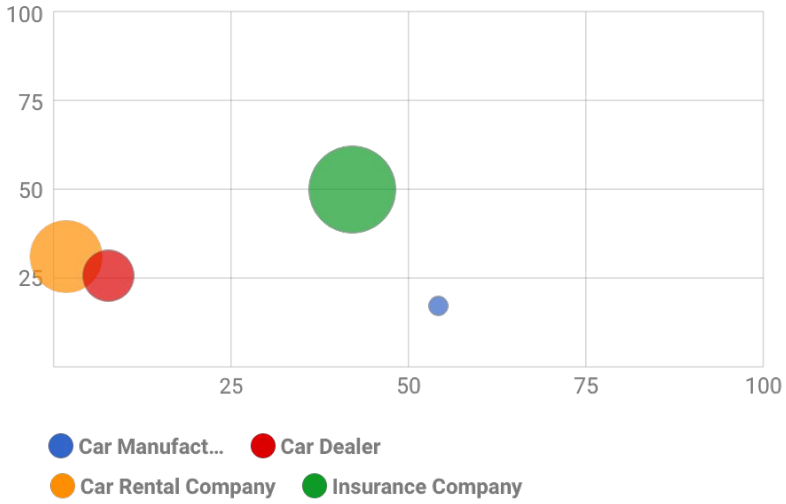
Gemini Pro Vision

GPT-4 Vision

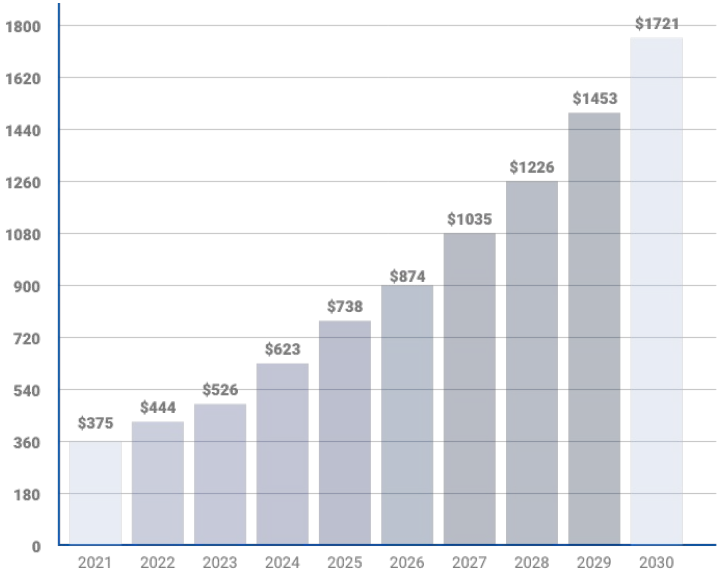
LlamaIndex makes vision models interchangeable easily!

Market Analysis

Car Damage Detention Market Analysis by Application 2023-2030



Vehicle Insurance Market size 2022 to 2023 (USD Billion)



(1) https://www.verifiedmarketreports.com/product/car-damage-detection-market

(2) https://www.precedenceresearch.com/vehicle-insurance-market

Use cases

1

Insurance Claims Processing

Expedite claim processing and investigations.

2

Rental Car Services

Pre and post rental inspections.

3

Used Car Sales

Offer transparent condition reports for fair pricing.

4

Automotive Repair Shops

Quick damage assessment and repair estimates.

5

Fleet Management

Monitor and maintain company vehicle conditions.

6

Quality control

Detect defects in new vehicles pre-delivery.

Business Model

$/report generated

Custom development /support

- Create specific reports for companies
- Create specific evaluation criterias

Roadmap

Improved UI	AGI Agent	Audio Support	Video Support	Report Settings	Spare Parts Report
Move from Streamlit to Web application	Conversational interface where agent ask for all the details	Use voice to listen to agent instructions and talk back to	Support for a video of the damaged car instead of pictures	Change settings on the inspection report criteria	Show potential repair parts and car dealers to buy them

Team structure

Gustavo

Search Engineer
GenAI Backend Developer

Maxi

Full Stack Developer
GenAI Frontend Developer

Mario

Executive VP
Kibernum USA
Mentor

Luis

Web Designer
UI/UX Design

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