

A close-up, slightly blurred photograph of a person's hands wearing grey work gloves, using a silver wrench to work on a car engine. The background is dark and out of focus, emphasizing the mechanical work. The overall tone is industrial and professional.

ORIGINALS.

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The significant prevalence of counterfeit and inferior auto components in Nigeria endangers traffic safety.

This issue involves the GCGO "infrastructure".

Sales of fake auto components are significant because they endanger customer safety and reduce the dependability and performance of automobiles. Additionally, it affects the general integrity of the automobile industry by undermining the reputation and financial success of legal manufacturers and suppliers.

Affected Individuals

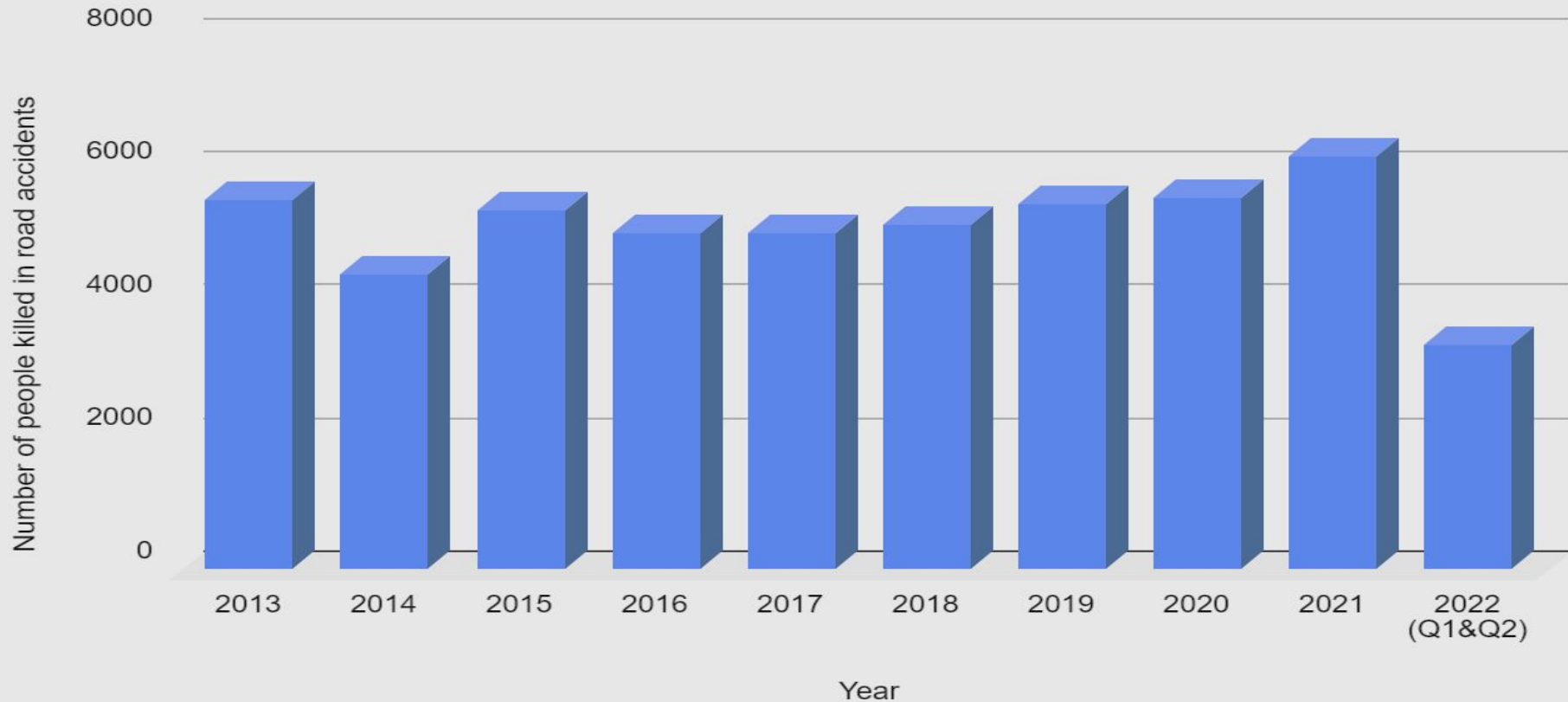
This problem impacts;

Consumers who unknowingly purchase counterfeit vehicle parts and are at risk of compromised safety.

Mechanics who may inadvertently use counterfeit parts while servicing vehicle. This compromises the quality of their services as it may not meet required specifications.



Number of people killed in road accidents in Nigeria



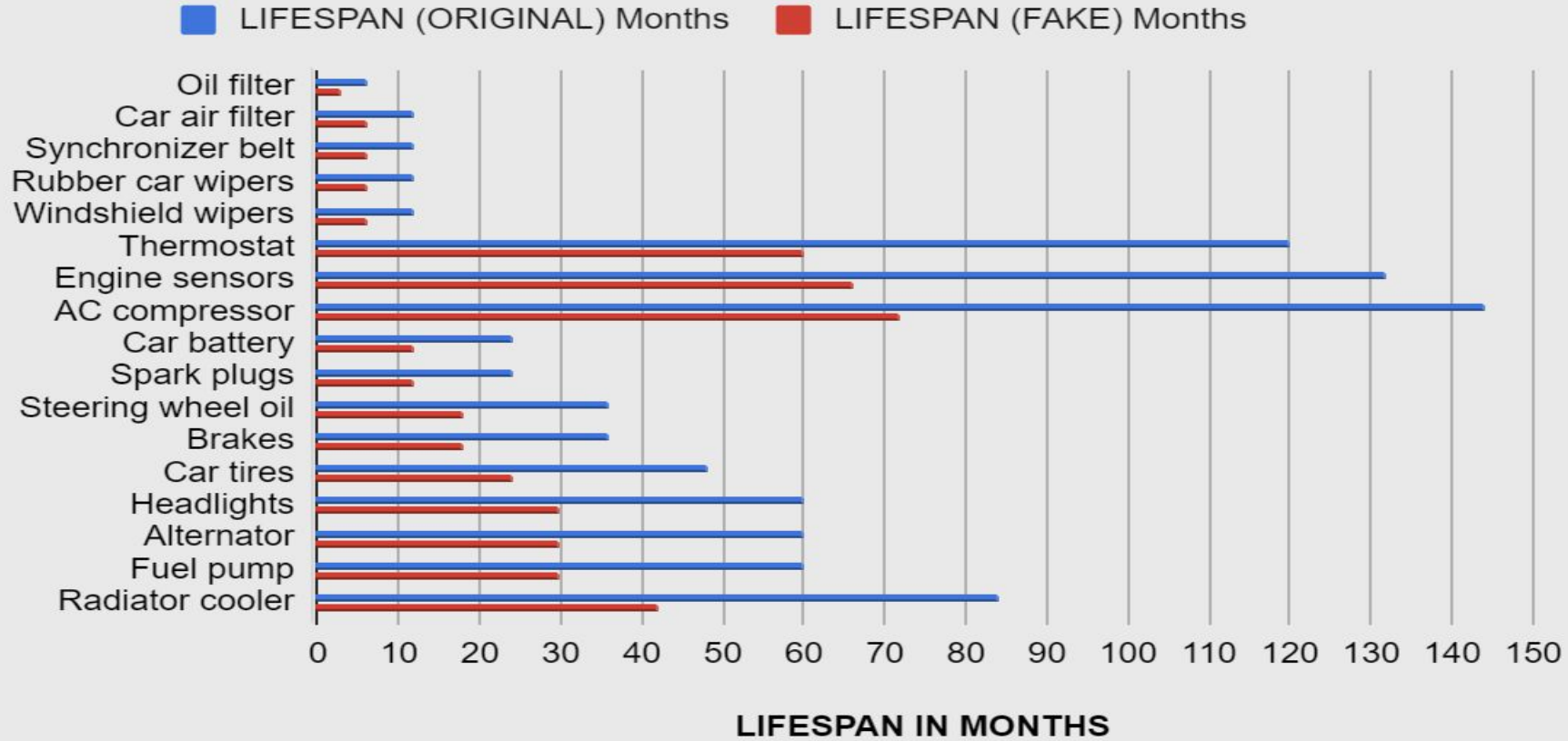
MARKET ANALYSIS

It is Estimated that Nigeria Loses about N50 billion annually to importation of fake and substandard products. Of this figure, trade in substandard auto spare parts accounts for about N20 billion.

Source: <https://thenationonlineng.net>

LIFESPAN OF ORIGINAL VS FAKE VEHICLE PARTS

AUTOMOTIVE PARTS



Source: <https://carpart.com.au/blog/most-commonly-replaced-car-parts-and-their-lifespan>

The proposed solution is an online centralized marketplace linking customers to parts-selling e-commerce stores, utilizing serial number scan and QR code verification to ensure authenticity. It also includes a CRM area for consumer feedback and complaints. This approach aims to protect customer safety, brand reputation, economic growth, innovation, legal compliance, and industry integrity. By utilizing this technology, it will help producers, suppliers, and customers determine component legitimacy, making it harder for counterfeiters to enter the market.

WIREFRAME

1

Write down the most important areas of your app's flow. List key actions for each step.
30 min together

Step 1 Welcome

Here the loading logo of the app can be found
With a button leading to the login page



This button opens the signup page

Step 2 Login

Users are required to identify themselves.

Login
Register
Forgot Password



This is the login button which requires the user's email and password to be validated

Step 3 Home Page

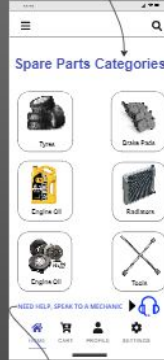
Here the user can see the home screen and navigations, also there is a sidebar navigation and a bottom navigation for easy access



Triggers Sidebar Menu

Step 4 Categories

Here the different categories of spare parts can be found
The bottom navigation is also visible alongside the side bar



Opens the Book a mechanic page

Step 5 Book a Mechanic

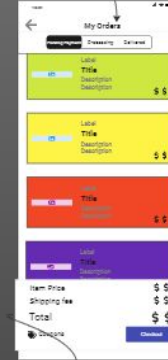
User can be able to use this screen to order for a nearby mechanic if they find themselves having car troubles or they are stranded



Select user's location or preferred meetup point

Step 6 Order Page

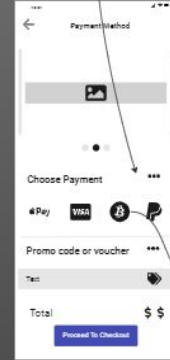
User can find all orders placed on this page as well as pending orders and orders being processed



Users can find the total amount of their orders

Step 7 Payment Methods

User can add and update payment methods and also delete cards or payments methods of payments



Users can change the payment method for their orders

SOME MAJOR PAIN POINTS;



My user needs a reliable way to verify the authenticity of spare parts he/she purchases.

My user needs to protect his interest and the lifespan of his/her automobile assets.

RECOMMENDATIONS

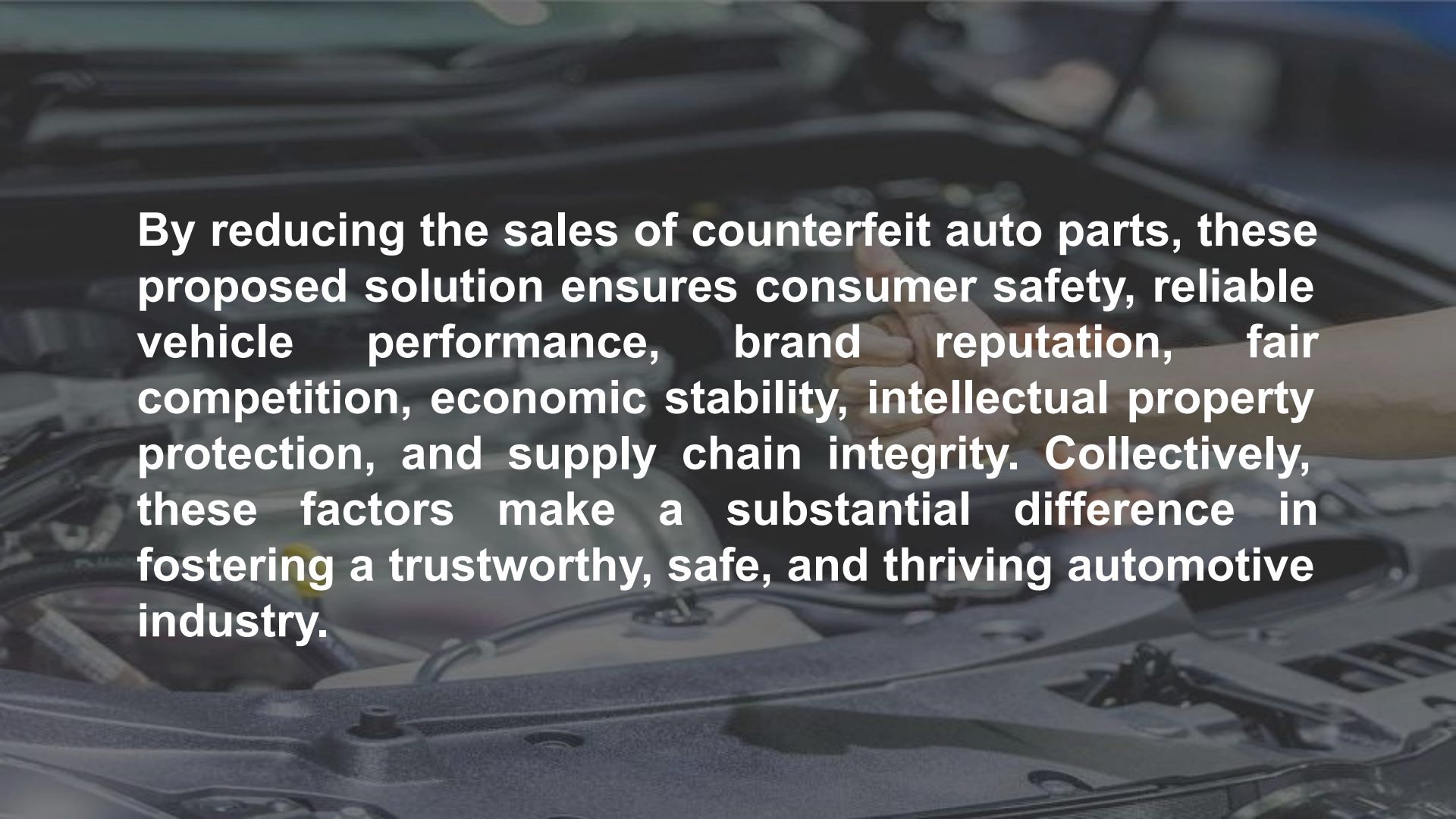
Make the online store a one-stop shop for all auto components by possibly keeping every auto parts item in stock.

Also, Partner with certified mechanics for easy & swift consultancy.

Financing this initiative will enhance the deployment of the app and partnerships with trusted e-commerce stores for them to sell on our platform.

With this funding as well a mechanic evaluation will be done online to promote the book a mechanic feature.

Proper Investments in cutting-edge technology and authentication solutions, will make it possible to quickly identify and confirm genuine car components.

A close-up, slightly blurred image of a car engine. A hand is visible, pointing towards a specific part of the engine, likely a valve or a sensor. The engine components are dark and metallic, with various hoses and wires visible. The background is out of focus, showing more of the engine bay.

By reducing the sales of counterfeit auto parts, these proposed solution ensures consumer safety, reliable vehicle performance, brand reputation, fair competition, economic stability, intellectual property protection, and supply chain integrity. Collectively, these factors make a substantial difference in fostering a trustworthy, safe, and thriving automotive industry.

THANK YOU...