DilivariApp™

Grocery Delivery App

"Shared Rides. Smarter Deliveries."

Technology

DilivariApp™ is an innovative grocery delivery application that connects online shoppers with a network of everyday road users to facilitate efficient, low-cost delivery of groceries. Unlike conventional delivery platforms that depend on dedicated fleets, DilivariApp™ leverages the shared mobility model, allowing ordinary drivers already on the road to pick up and deliver groceries within their routes. This collaborative, peer-to-peer approach reduces delivery costs, enhances supply chain transparency, and promotes local economic participation. The platform links customers and grocery e-retailers within a defined radius, optimising delivery logistics while reducing environmental impact through better vehicle utilisation. By transforming community mobility into an on-demand logistics solution, DilivariApp™ empowers both customers and drivers while making grocery delivery more sustainable, affordable, and reliable.

Market need

While e-commerce has revolutionised retail, last-mile delivery remains a major challenge. Conventional grocery delivery systems are constrained by high operational costs, limited fleet capacity, and inefficient route planning. These inefficiencies often translate into higher delivery fees, delays, and poor customer satisfaction. DilivariApp™ addresses these pain points by decentralising the delivery process by using a shared driver network to create a transparent, real-time, and cost-effective alternative to traditional delivery logistics.

Features

- Uses everyday vehicle owners to complete deliveries within their local areas.
- Enables customers and retailers to track orders and deliveries in real time.
- Ensures accountability, reliability, and service quality.
- Offers integrated, safe, and cashless transactions.
- Optimises delivery efficiency by connecting nearby drivers and customers.
- Retailers can define delivery zones based on demand and location.

Benefits

- Reduces logistics and delivery costs through a shared economy model.
- Real-time visibility and driver accountability ensure smooth service.
- Creates income opportunities for ordinary drivers and part-time earners.
- Reduces redundant trips by utilising vehicles already on the road.
- Faster, flexible, and more reliable delivery for online grocery shoppers.

Industry
ICT

Potential Applications
- Integration with e-commerce platforms for fast, low-cost grocery delivery.
- Expands delivery reach without investing in vehicles or staff.
- Adaptable for small-item delivery beyond groceries.
- Facilitates collective grocery orders for offices or communities.
- Partnership or integration opportunities for mobility service diversification.
- Supports sustainable logistics and circular economy initiatives in urban areas.

Creators
Prof Marcia Mkansi

Stage of Development
Prototype

Intellectual Property
Copyright

Desired Relationship
Co-development partner, Investors