

Fuel Express - The On-Demand Fuel Delivery App

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Abstract: *Fuel Express -The on-demand fuel delivery app for Android aims to provide a convenient and efficient way for users to order fuel and have it delivered to their location. These systems typically allow customers to place orders online or via a mobile app, provide their location information, and pay for the fuel using a secure payment gateway. These systems also provide real-time delivery tracking and updates to customers, allowing them to know the status of their orders and the expected delivery time. The app allows users to register and log in, place fuel orders, track delivery status in real-time, and make payments securely. The app also offers features such as order history, user profile management, and push notifications to keep users informed about their orders. To ensure accurate delivery, the app integrates with Google Maps to help drivers navigate to customer locations. For the goal of accurate delivery, in our project uses location-based algorithms, payment processing algorithms, and clustering algorithms. Overall, the app aims to simplify the fuel delivery process, making it more accessible and convenient for users while ensuring a smooth and secure experience.*

Keywords: Fuel Delivery, Android Application, Mobile Application, Tracking System, Real Time Application.

REFERENCES

- [1] Design and Implementation of Fuel Delivery Application Based on Android" by Y. Wang, J. Wu, and J. Chen, May 2021.
- [2] Design and Development of a Mobile App for Fuel Delivery in the US" by L. K. Alharbi and B. A. Almutairi, July 2020.
- [3] FuelMate: A Mobile App for Efficient Fuel Management" by A. Debnath, M. Roy, and S. Bera (2019).
- [4] Mobile Fuel Delivery System Using Blockchain Technology" by S. Singh and S. Sharma, Oct 2019.
- [5] Mobile Application for Fuel Delivery Services" by R. A. Hejase, F. A. Hussain, and M. A. Tawalbeh, Dec 2019.
- [6] Smartphone-based fuel delivery system using internet of things (IOT) by S K Pandey, A K Singh, and P Gupta, Nov 2018.
- [7] Design and Implementation of Mobile fuel delivery system by K A Okonkwo and O O Ogunlana, Oct 2017
- [8] MobileFuel Delivery System Using Near Field Communication (NFC) Technology" by N. N. Ahmed and M. J. Islam, June 2016.
- [9] Design and Development of a Mobile App for Fuel Delivery Services in Developing Countries" by P. R. Pinninti and K. B. Konda 2016.
- [10] Design and Development of Mobile Fuel Delivery Application Based on Android" by M. H. Tareque, M. F. Hasan, and M. T. H. Bari, July 2016.