

1. Introduction

FuelRescue is an on-demand fuel delivery platform that enables users to order PMS (Petrol) and Diesel via a mobile app and have it delivered using specialized fuel trucks.

FuelRescue provides Energy Credits, allowing customers to purchase fuel on credit with structured repayment plans and automated debt recovery mechanisms.

The platform consists of three core interfaces:

- i. User App – For customers to place orders, track deliveries, and manage payments
- ii. Driver App – For truck drivers to complete deliveries and truck owners to manage their vehicles.
- iii. Admin Dashboard – For FuelRescue administrators to monitor operations, process approvals, and generate reports.

1.2 Objectives

FuelRescue aims to:

- ☒ Provide a seamless and efficient fuel delivery service to individuals and businesses.
- ☒ Offer fuel financing through Energy Credits and Peer-to-Peer Lending (BoroPose integration).
- ☒ Optimize fuel delivery logistics with AI-powered route planning and real-time tracking.
- ☒ Enhance fuel tracking to prevent unauthorized fuel usage and loss.
- ☒ Ensure security and compliance through automated KYC verification and fraud prevention mechanisms.

1.3 Target Market

FuelRescue is designed for various categories of fuel consumers, ensuring a wide market reach.

Individual Users

- Car owners who require home or office delivery of fuel.
- Ride-hailing drivers who need on-the-go refueling.
- Emergency roadside fuel assistance for stranded motorists.

Corporate Clients

- Fleet operators & logistics companies requiring bulk fuel purchases.
- Hotels, hospitals, and manufacturing plants dependent on diesel power.
- Industrial & agricultural businesses with large-scale fuel needs.

Emergency Fuel Support

- Telecom towers, security agencies, and government units requiring uninterrupted fuel supply.
- Disaster response teams needing rapid deployment of fuel reserves.

2. FuelRescue User App

The FuelRescue User App allows customers to order fuel, track deliveries, and manage payments efficiently.

2.1 Core Features

✦ Fuel Ordering & Delivery

- Select fuel type (PMS/Diesel).
- Enter quantity and delivery location.
- Choose delivery mode (Standard, Express, or Scheduled).

✦ Live Order Tracking

- Real-time GPS tracking of the assigned truck.
- Estimated time of arrival (ETA) updates.
- Driver contact details for easy communication.

✦ Energy Credits & Repayment Management

- Apply for credit financing to buy fuel.
- Select repayment plans (weekly, bi-weekly, monthly).
- View repayment history & pending balances.

✦ Payment Methods & Wallet

- Bank Transfers, Debit Cards, USSD, and FuelRescue Wallet.
- Auto-pay setup for recurring purchases.
- Track payment history and balance.

✦ Order History & Invoicing

- View past orders, invoices, and consumption reports.
- Export invoices for corporate clients.

✦ Customer Support & Emergency Help

- 24/7 chat and call support.
- Emergency fuel request option.

3. FuelRescue Driver App

The FuelRescue Driver App facilitates seamless fuel deliveries by truck drivers and allows truck owners to monitor their vehicles.

3.1 Core Features

✦ Truck Driver vs. Truck Owner Selection

- Users choose their role during registration:
 - ☒ Truck Drivers – Deliver fuel using assigned trucks.
 - ☒ Truck Owners – Manage their fleet and assign drivers.

✦ Truck Owner KYC & Driver Management

- Truck Owners must provide:
 - Vehicle documents (Registration, Roadworthiness, Insurance).
 - Company details (if applicable).
- Truck Owners can add drivers to their accounts.

- Drivers log in as Truck Drivers and use the app to accept deliveries.

Truck Owner-Driver Support

- Truck owners who also drive can switch between driver and owner modes.
- Manage fleet and accept deliveries from one account.
- Separate tracking for fleet earnings vs. personal earnings.

Order Assignment & Delivery Acceptance

- Drivers receive new delivery requests in real-time.
- Accept or reject orders based on availability.

Depot Locator & Refill Monitoring

- Find the nearest fuel depots for refueling.
- Monitor loaded fuel vs. delivered fuel to detect unauthorized fuel usage.

AI-Powered Route Optimization & Navigation

- Optimized delivery routes to avoid congestion.
- Smart rerouting based on real-time traffic.

Proof of Delivery (QR Code, Signature, Photo Upload)

- Customers verify fuel receipt via QR code or signature.
- Drivers upload photo proof of completed delivery.

Emergency Support & Incident Reporting

- Report fuel spills, accidents, theft, or vehicle breakdowns.
- Request emergency assistance from FuelRescue admins.

Earnings Dashboard & Payout Management

- Track daily earnings and completed deliveries.
- Withdraw earnings via bank transfer or FuelRescue Wallet.

4. FuelRescue Admin Dashboard

User & KYC Management

- Approve/reject Energy Credit applications.
- Verify BVN, ID, and Bank Statements.

Fuel Order & Driver Assignment Monitoring

- Monitor all active deliveries & driver locations.
- Track fuel stock movement from depot to customer.

Energy Credit Approval & Debt Recovery Automation

- Credit risk assessment before loan approvals.
- Automated debt recovery via direct debit.

Payments, Reports & Analytics

- Generate financial reports for revenue tracking.
- Monitor customer fuel consumption trends.

5. Energy Credits - Loan & Debt Recovery System

Updated Repayment Interest Structure

- Weekly: 3.5% per month (4 installments).
- Bi-Weekly: 4% per month (2 installments).
- Monthly: 5% per month (Lump sum).

Debt Recovery Measures

- No new loans until previous ones are cleared.
- Defaulters will have reduced loan eligibility.
- Borrowers must link multiple BVN accounts for direct debits.
- Automated direct debit for overdue payments.

6. BoroPose Peer-to-Peer Lending Integration

BoroPose Integration

- Users can borrow from individual lenders on BoroPose to purchase fuel.
- This is separate from Energy Credits (which FuelRescue provides directly).
- Lenders on BoroPose set their own loan terms.
- Loan disbursement and repayment tracking will be automated.

Final Notes

This comprehensive PRD ensures FuelRescue is fully optimized for efficiency, profitability, and seamless operations.

Would you like any additional refinements before the final implementation phase?

FuelRescue - Comprehensive Product Requirements Document (PRD)

1. Introduction

FuelRescue is an on-demand fuel delivery service that allows users to order PMS and Diesel via a mobile app and have it delivered using specialized trucks. The platform also offers Energy Credits, enabling users to purchase fuel on credit with structured repayment plans.

1.1 Objectives

The goal of FuelRescue is to provide a seamless, safe, and efficient fuel delivery service, along with affordable credit options for individuals and businesses. The platform aims to ensure operational efficiency through optimized driver routing, automated fuel tracking, and strong debt enforcement mechanisms.

1.2 Target Market

FuelRescue is designed for:

- i. Individual Users: Car owners, ride-hailing drivers, and stranded motorists.
- ii. Corporate Clients: Fleet operators, logistics firms, hotels, hospitals, and other businesses reliant on fuel.
- iii. Emergency Fuel Support: Critical infrastructure such as telecom towers and government agencies.

2. FuelRescue User App

The user-facing mobile app enables customers to order fuel, apply for Energy Credits, and track deliveries in real-time.

2.1 Core Features

- i. Fuel Ordering & Delivery
- ii. Live Order Tracking
- iii. Energy Credits & Repayment Management
- iv. Payment Methods & Wallet
- v. Order History & Invoicing
- vi. Customer Support & Emergency Help

3. FuelRescue Driver App

The FuelRescue Driver App is designed for delivery drivers to manage orders, navigate to fuel depots, and track earnings.

3.1 Core Features

- i. Order Assignment & Delivery Acceptance
- ii. Depot Locator & Refill Monitoring
- iii. Fuel Tracking & Unauthorized Usage Detection
- iv. AI-Powered Route Optimization & Navigation
- v. Proof of Delivery (QR Code, Signature, Photo Upload)
- vi. Emergency Support & Incident Reporting
- vii. Earnings Dashboard & Payout Management

4. FuelRescue Admin Dashboard

The Admin Dashboard allows administrators to manage users, drivers, and financial transactions while ensuring compliance and efficient delivery operations.

4.1 Core Features

- i. User & KYC Management

- ii. Fuel Order & Driver Assignment Monitoring
- iii. Energy Credit Approval & Debt Recovery Automation
- iv. Payments, Reports & Analytics

5. Energy Credits - Loan & Debt Recovery System

FuelRescue offers credit to verified users with structured repayment plans and automated recovery mechanisms.

5.1 Repayment Plans

Updated Repayment Interest Structure:

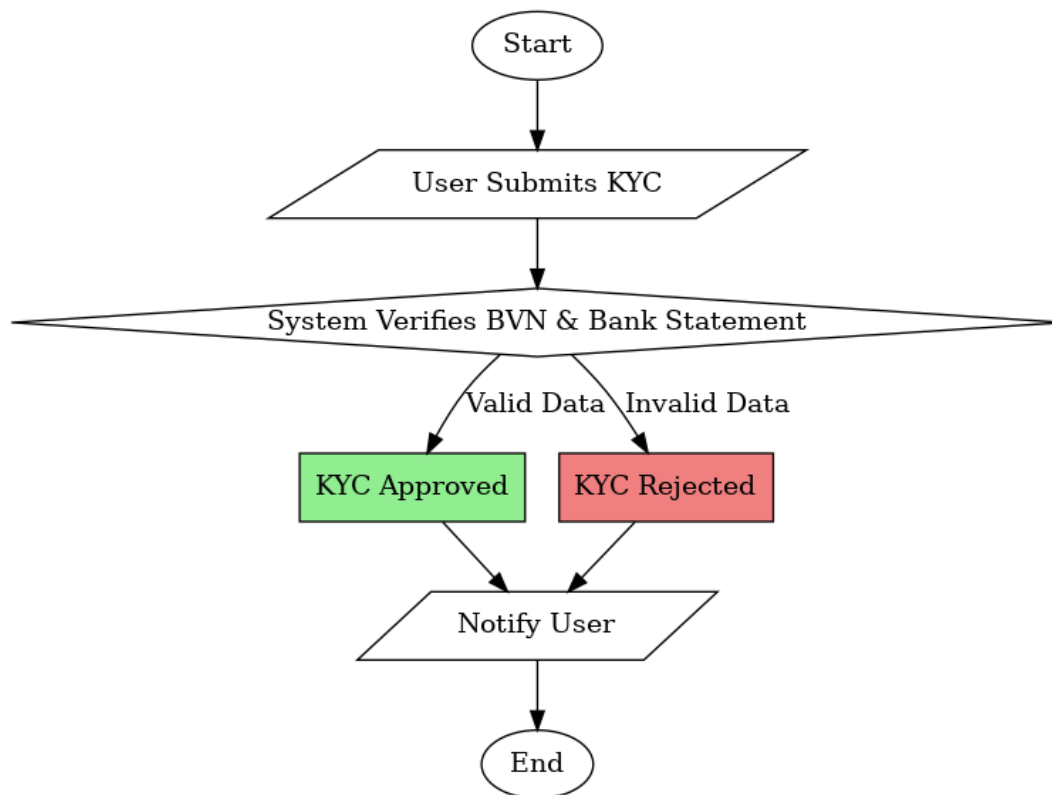
1. Weekly: 3.5% per month (4 equal installments)
2. Bi-Weekly: 4% per month (2 equal payments)
3. Monthly: 5% per month (Lump sum at the end of 30 days)

5.2 Debt Recovery Measures

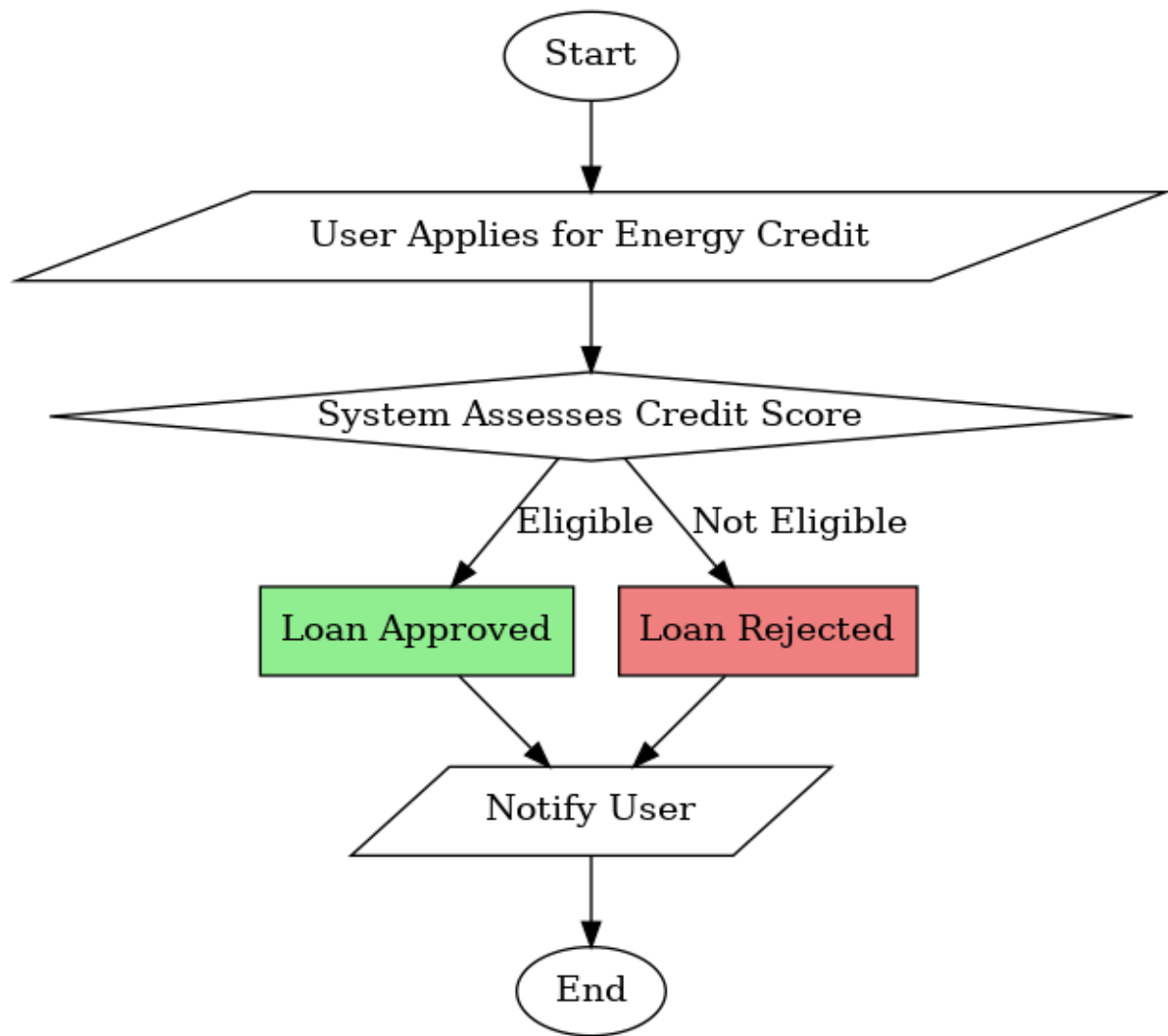
1. Users must repay old loans before taking new ones.
2. Defaulters will have reduced loan eligibility.
3. Borrowers must provide multiple BVN-linked accounts for easier collection.
4. Automated direct debit enforcement for overdue payments.

6. Process Flow & System Diagrams

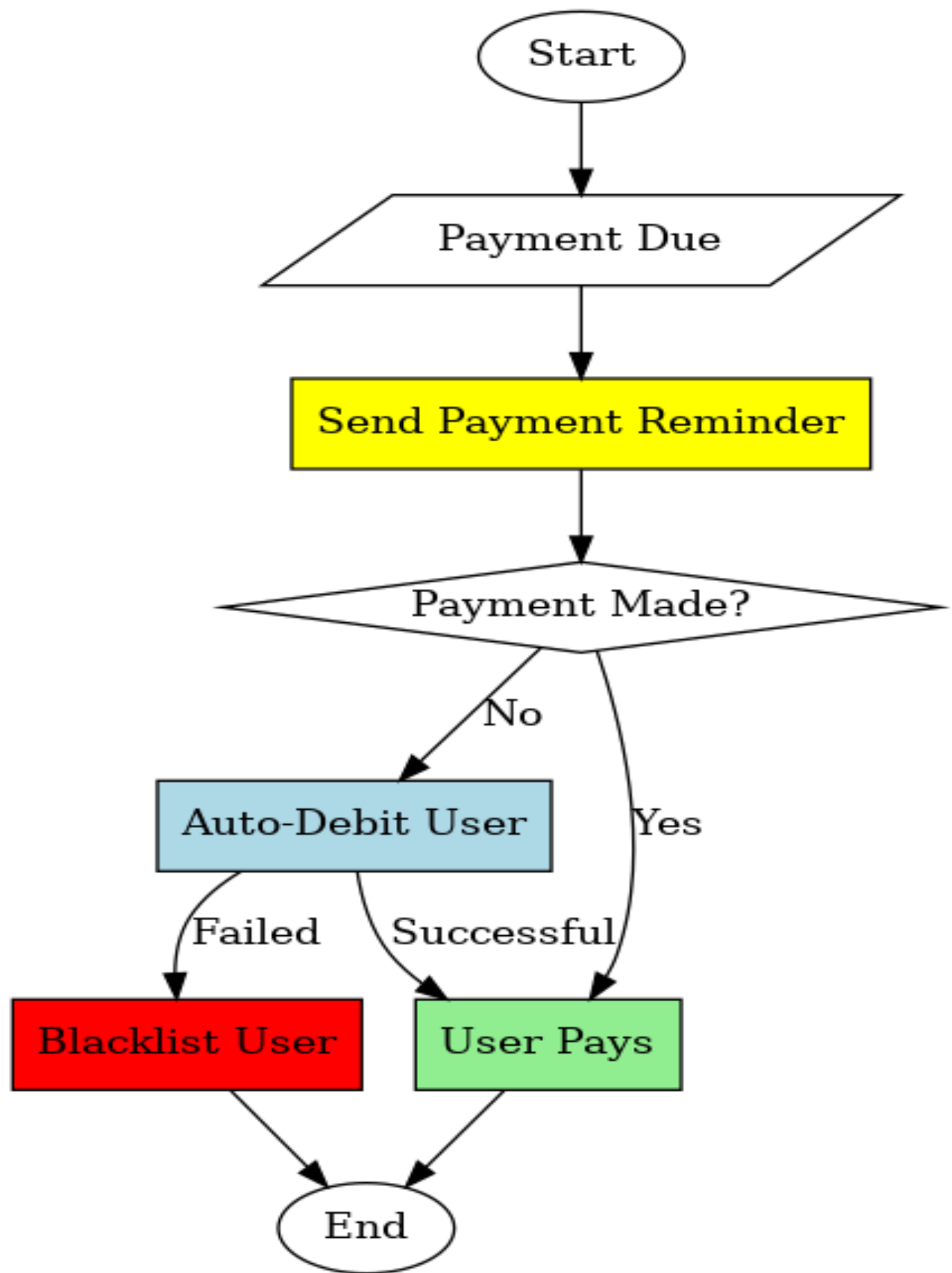
Below are process flow diagrams and wireframes for key FuelRescue functionalities:



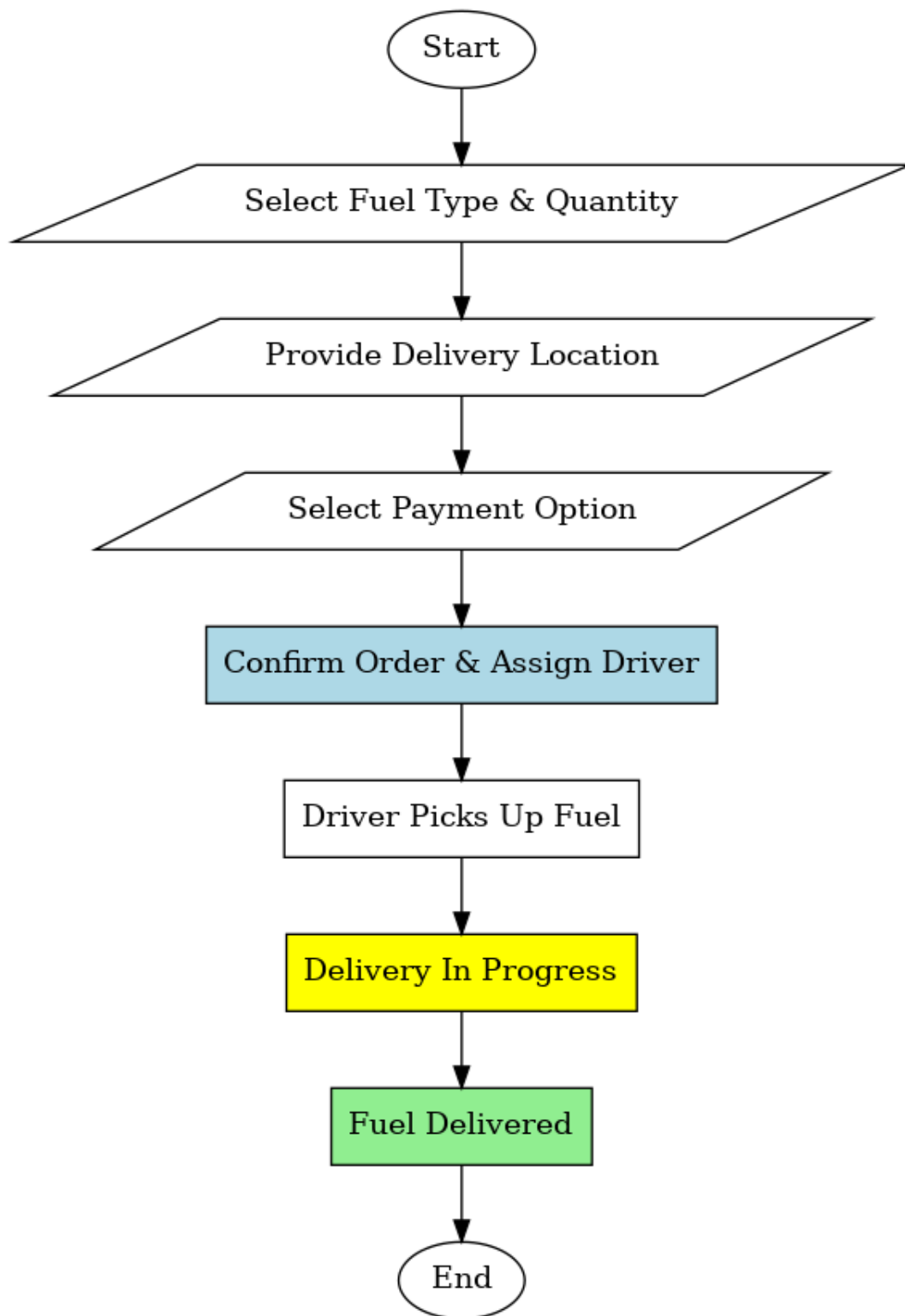
KYC Verification Process



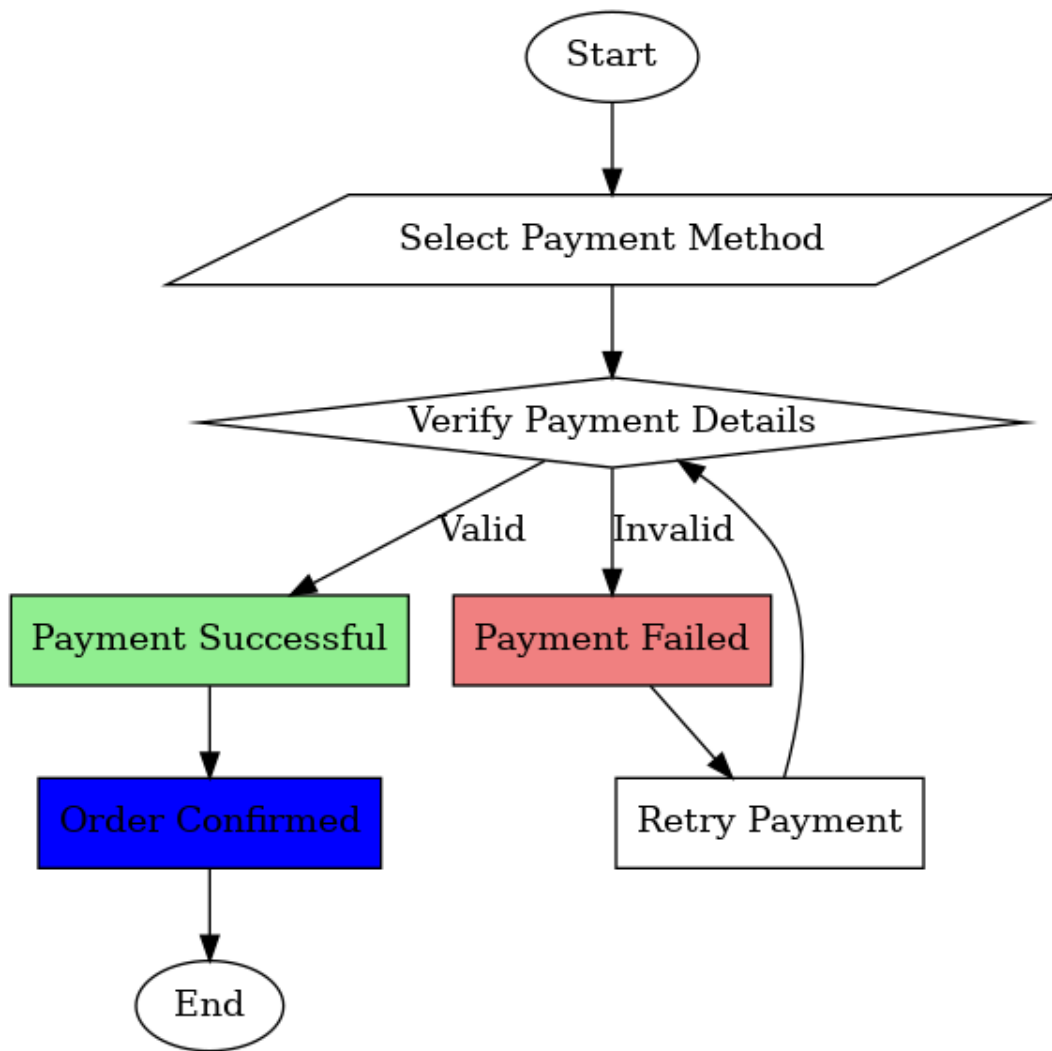
Energy Credit Approval Process



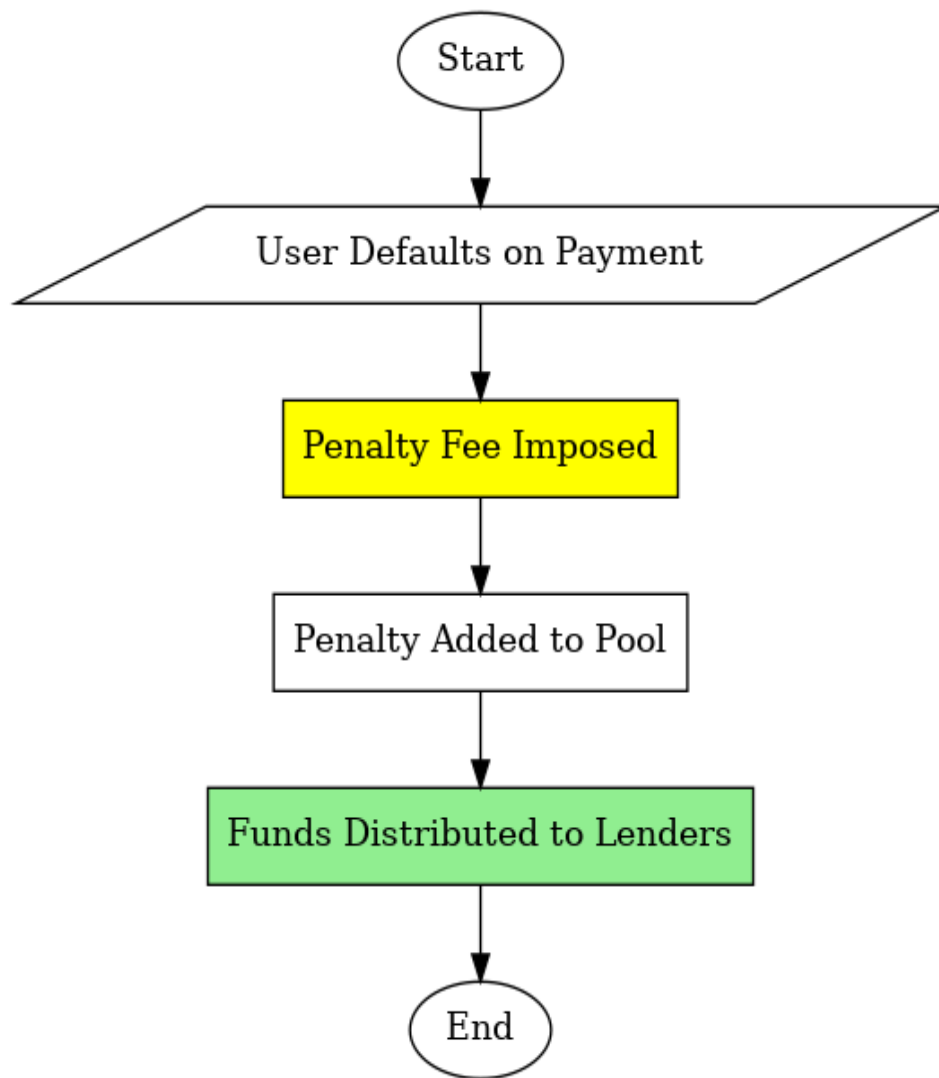
Debt Recovery Process



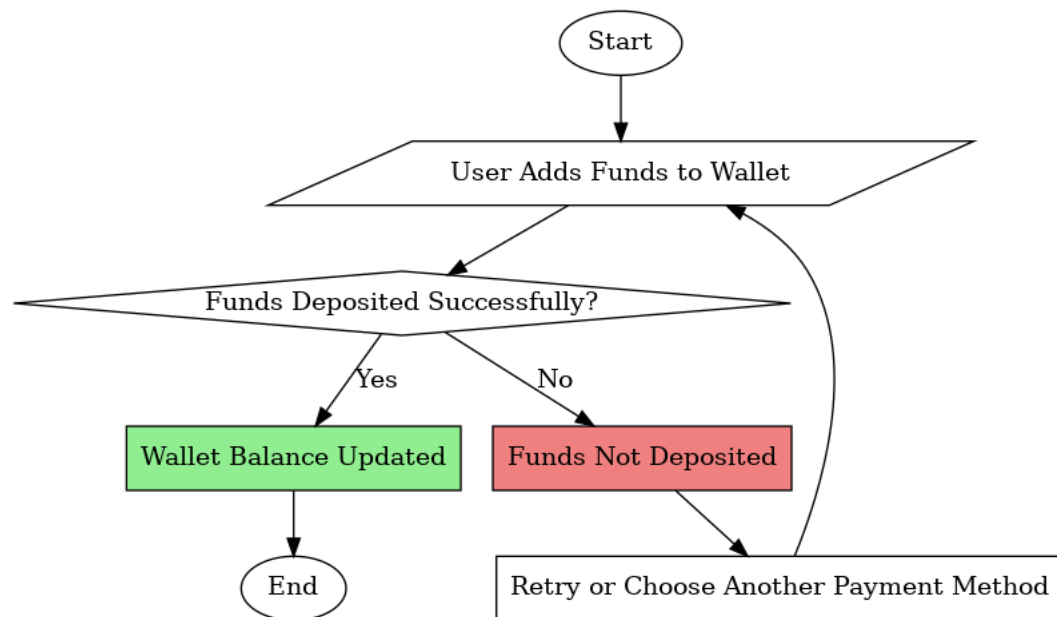
Fuel Ordering & Delivery Process



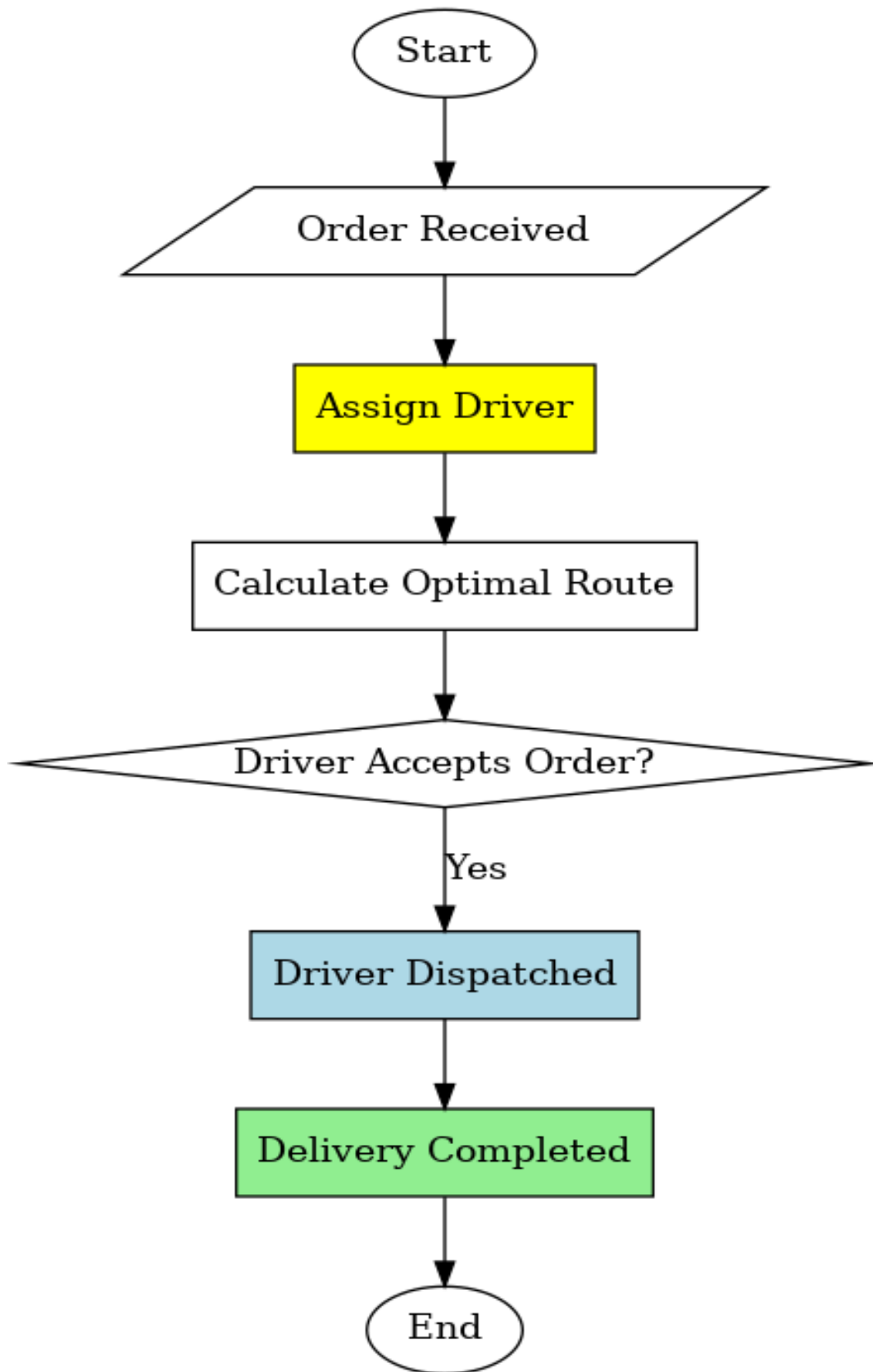
Fuel Payment & Checkout Process



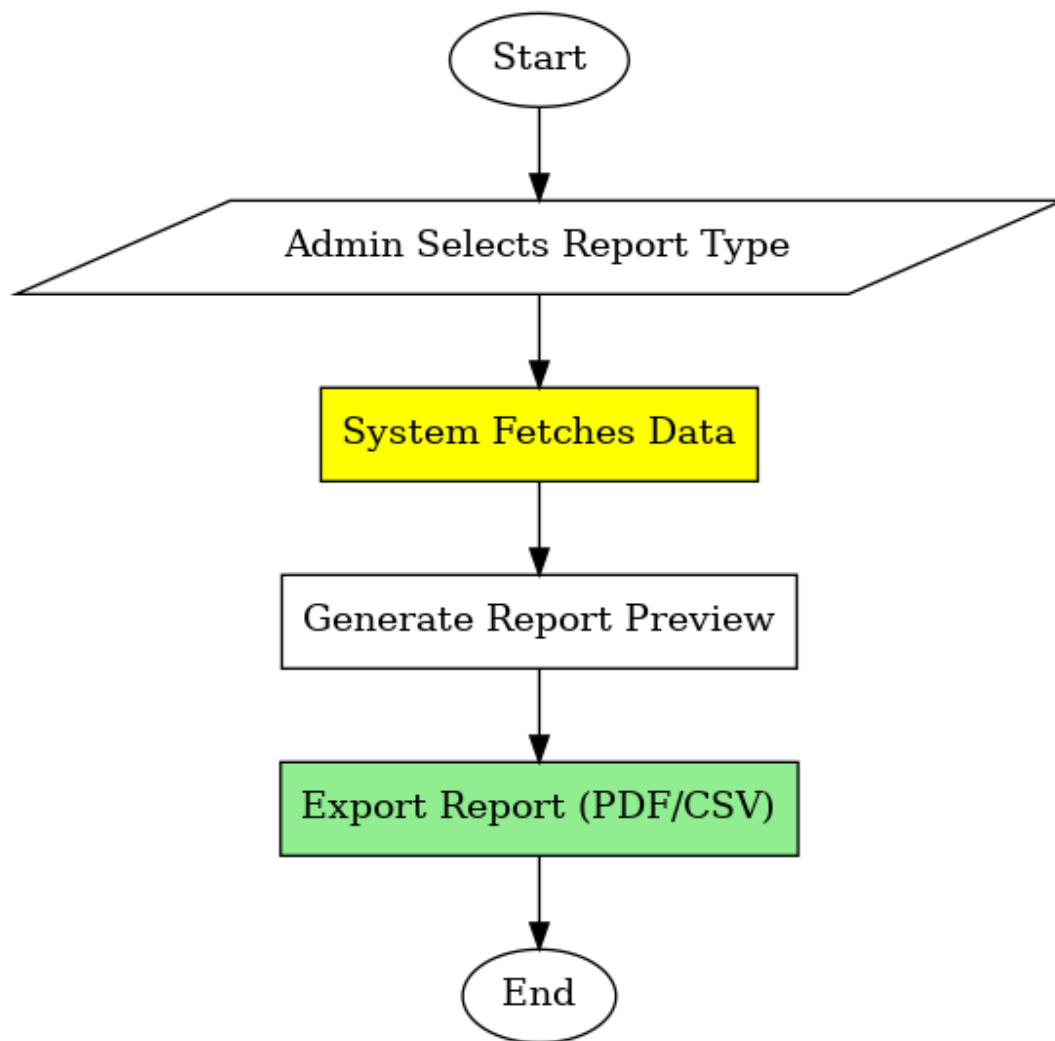
Penalty Pool System



User Account & Wallet Management



Driver Dispatch & Route Optimization (Assigning deliveries and tracking efficiency)



Report Generation & Analytics

7. Full Comprehensive Product Requirements

FuelRescue – Comprehensive Product Requirements Document (PRD) - Version 1.0

1. Overview

1.1 Product Summary

FuelRescue is an on-demand fuel delivery app that enables users to order PMS (Petrol) and Diesel via a mobile app and website ('fuelrescue.co'). The platform will deliver fuel using specially designed trucks, similar to CAFU, while offering an Energy Credits feature that provides fuel financing at a 3%-5% monthly interest rate, with repayment due within 30 days.

1.2 Objectives

- i. Provide a seamless and efficient fuel delivery service.
- ii. Offer a buy now, pay later (BNPL) financing model for businesses and individuals.
- iii. Ensure secure payments, credit profiling, and automated debt recovery.
- iv. Implement real-time tracking and intelligent route optimization.

1.3 Target Market

- i. Individual users (car owners, ride-hailing drivers, stranded motorists).
- ii. SMEs and corporate clients (fleet operators, logistics firms, hotels, factories, businesses).
- iii. Critical service providers (hospitals, telecom towers, government agencies).

2. Functional Requirements

2.1 User Roles

1. End Users (Customers)

- Can order PMS/Diesel deliveries.
- Can apply for Energy Credits.
- Can track delivery status in real-time.
- Can manage payment methods and credit accounts.
- Can schedule fuel deliveries in advance.
- Can request emergency deliveries.
- Can review past orders and repayment history.

2. FuelRescue Admins

- Can approve/disapprove Energy Credits applications.
- Can monitor fuel orders, truck locations, and service quality.
- Can manage registered users and accounts.
- Can oversee repayment processes and initiate debt recovery.
- Can set fuel pricing and payment rules.

3. Drivers (Fuel Truck Operators)

- Can accept and complete fuel delivery requests.
- Can update delivery status in real-time.
- Can use intelligent routing for optimized delivery paths.
- Can process cashless payments upon delivery.

2.2 Mobile & Web App Features

2.2.1 User Registration & KYC

Signup/Login Options:

- i. Email & password.
- ii. Phone number & OTP verification.
- iii. Social login (Google, Facebook, Apple).

KYC Verification (For Energy Credits Applicants):

- BVN Verification (direct API integration with NIBSS).
- Bank Statement Upload (auto-extraction via Mono, Okra, or Stitch APIs).
- Photo ID Upload (NIN, Passport, Driver's License).
- Selfie Verification (liveness check to prevent fraud).
- Automated Credit Profiling (AI-based assessment to determine loan eligibility).

2.2.2 Fuel Ordering & Delivery

- Order Selection:

- Select fuel type (PMS/Diesel).
- Select quantity (e.g., 10L, 20L, 50L, 100L, 500L+).
- Input delivery location (GPS or manual address entry).
- Select delivery mode (Standard/Scheduled/Emergency).

- Real-Time Order Tracking:

- Live tracking of the truck via GPS.
- Estimated time of arrival (ETA).
- Notifications & Alerts (e.g., “Driver is 5 minutes away”).

- Order History & Invoicing:

- View past orders and digital receipts.
- Export invoices for businesses (PDF format).

2.2.3 **Energy Credits (Buy Now, Pay Later)**

- Eligibility Criteria:

- Verified BVN-linked account.
- 3+ months of bank statements.
- Automated credit score calculation.

- Loan Amounts & Repayment Options:

- 30-Day Plan: 5% monthly interest, single repayment.
- Weekly Plan: 3.5% monthly interest, 4 equal installments.
- Bi-Weekly Plan: 4% monthly interest, 2 equal payments.

- Loan Repayment Features:

- Direct debit integration (Auto-debit via Monnify API).
- Reminder notifications (push/SMS/email before due dates).
- Partial repayment allowance (borrowers can repay in bits).
- Grace period (hidden from borrowers), controlled by admin.

- Debt Recovery Mechanisms:

- Automatic BVN-linked account debiting.
- Penalty Pool System: Defaulters contribute extra penalty fees.
- Credit Score Impact: Defaulters get low credit scores, limiting future borrowing.
- Alternative Payment Methods: Allows debit card, mobile wallets, and direct transfers.

3. **Non-Functional Requirements**

3.1 **Security**

- Data Encryption (AES-256 for sensitive info).
- Multi-Factor Authentication (MFA) for admin accounts.
- Secure API integrations (NIBSS, Monnify, Paystack).

3.2 **Performance & Scalability**

- Cloud-Based Infrastructure (AWS, GCP, or Azure).
- Load Balancing for high-traffic handling.
- Auto-Scaling to accommodate growth.

3.3 **Compliance**

- CBN & NIBSS Standards for financial transactions.
- Data Privacy Laws (NDPR, GDPR-compliant).

4. **Final Considerations**

This document is now fully comprehensive, covering all functionalities, UI/UX requirements, and system workflows for FuelRescue's User App, Driver App, and Admin Dashboard.

Final Deliverables:

- User App Requirements
- Driver App Requirements
- Admin Dashboard Requirements
- Energy Credits Loan Structure & Debt Recovery
- Process Flow Diagrams & Wireframes

FuelRescue Mobile App

[Logo & Welcome Banner]

[Order Fuel Button]

[Energy Credits (Apply for Loan)]

[Track Order]

[Wallet & Payment Methods]

[Order History & Invoices]

[Customer Support & Help]

[Home]

[Orders]

[Wallet]

Basic wireframe for the FuelRescue mobile app




Basic wireframe for the FuelRescue mobile app, showcasing the primary features on the home screen. This layout will guide the UI/UX design team in structuring the app for intuitive navigation.

Key Screens & Features

1. Home Screen

- Logo & Welcome Banner
- "Order Fuel" Button
- "Energy Credits (Apply for Loan)" Section
- "Track Order" Feature
- Wallet & Payment Methods
- Order History & Invoices
- Customer Support & Help

2. Bottom Navigation Bar

-  Home – Main dashboard
-  Orders – Order tracking & history
-  Wallet – Payment & Energy Credits management

Order Fuel Screen

[Select Fuel type (PMS/Diesel)]

[Enter Quantity]

[Set Delivery Location]

[Select Payment Method]

[Confirm Order]

Order Tracking

[Live GPS Tracking]

[Estimated Time of Arrival (ETA)]

[Driver Details & Contact]

[Status Updates]

Energy Credits Application

[Enter BVN]

[Upload Bank Statement]

[Set Loan Amount]

[Select Repayment Plan]

[Submit Application]

Wallet & Payments

[Available Balance]

[Add Payment Method]

[View Transactions]

[Energy Credit Repayments]

Detailed wireframes for the key screens of the FuelRescue mobile app, covering the most important user interactions:

Screens & Features

1. Order Fuel Screen

- Select Fuel Type (PMS/Diesel)
- Enter Quantity
- Set Delivery Location (GPS/manual entry)
- Select Payment Method
- Confirm Order & Checkout

2. Energy Credits Application

- Enter BVN
- Upload Bank Statement

- Set Loan Amount
- Select Repayment Plan (30-day, Weekly, Bi-weekly)
- Submit Application for Approval

3. Order Tracking Screen

- Live GPS Tracking of the fuel truck
- Estimated Time of Arrival (ETA)
- Driver Details & Contact
- Status Updates (e.g., "Out for Delivery," "Delivered")

4. Wallet & Payments

- Display Available Balance
- Add New Payment Methods (Cards, Transfers, Wallets)
- View Transaction History
- Manage Energy Credit Repayments

FuelRescue Admin Dashboard

[User & KYC Management]

[Fuel Orders & Deliveries]

[Energy Credit Approvals]

[Payment & Debt Recovery]

[Transaction & Loan Reports]

[System Analytics & Logs]

Admin Dashboard wireframe for FuelRescue, outlining the key sections:

Admin Dashboard Features

1. User & KYC Management

- Approve/reject KYC verification (BVN, bank statements, ID)
- View user profiles & transaction history

2. Fuel Orders & Deliveries

- Track live orders & delivery progress
- Assign drivers & manage dispatch schedules

3. Energy Credit Approvals

- Review & approve/reject credit applications
- Adjust credit limits based on user risk profiles

4. Payment & Debt Recovery

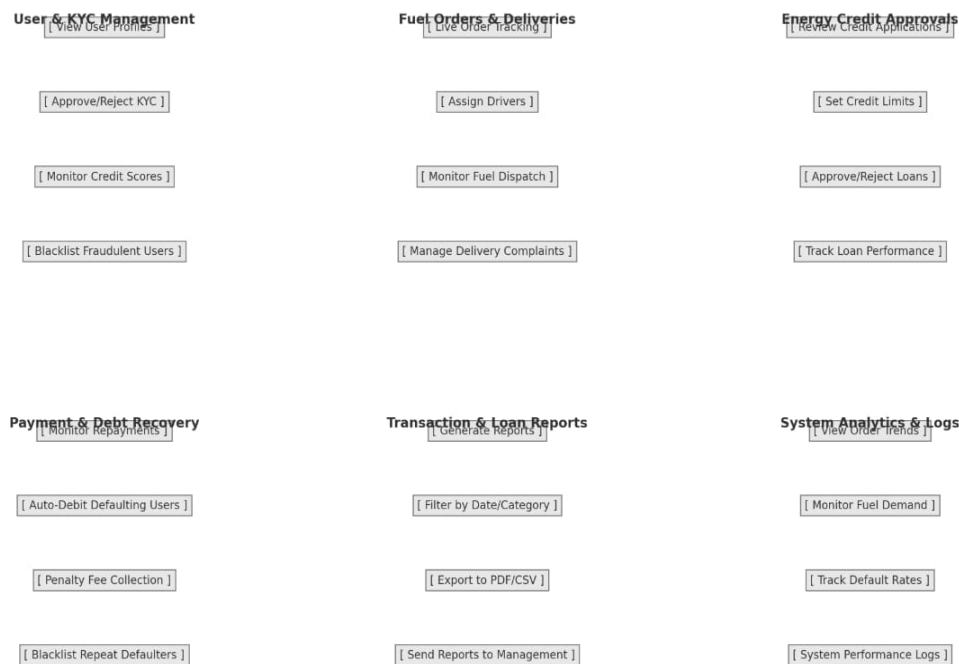
- Monitor loan repayments & pending debts
- Initiate debt recovery actions (auto-debit, penalty fees)

5. Transaction & Loan Reports

- Generate summary reports for fuel orders, repayments, and default rates
- Export financial reports for reconciliation

6. System Analytics & Logs

- View platform usage insights (order volume, fuel demand trends)
- Monitor system performance & error logs



Detailed wireframes for each key Admin Dashboard function in FuelRescue:

1. User & KYC Management

- View User Profiles (See registered users and their credit status)
- Approve/Reject KYC (Verify BVN, bank statements, and ID documents)
- Monitor Credit Scores (Track loan eligibility based on payment history)
- Blacklist Fraudulent Users (Prevent repeat offenders from accessing loans)

2. Fuel Orders & Deliveries

- Live Order Tracking (Monitor real-time fuel deliveries)
- Assign Drivers (Allocate deliveries to available fuel trucks)
- Monitor Fuel Dispatch (Ensure proper quantity and timely deliveries)
- Manage Delivery Complaints (Handle issues related to orders and logistics)

3. Energy Credit Approvals

- Review Credit Applications (Analyze users' submitted KYC and creditworthiness)
- Set Credit Limits (Approve loan caps based on risk profiling)
- Approve/Reject Loans (Grant or deny financing for fuel purchases)
- Track Loan Performance (Monitor repayment rates and defaults)

4. Payment & Debt Recovery

- Monitor Repayments (Check successful and pending payments)
- Auto-Debit Defaulting Users (Directly recover funds from BVN-linked accounts)
- Penalty Fee Collection (Enforce penalty pool for late payments)
- Blacklist Repeat Defaulters (Prevent multiple loan access for habitual defaulters)

5. Transaction & Loan Reports

- Generate Reports (View summaries of fuel orders, payments, and defaults)
- Filter by Date/Category (Sort transactions by time, user, or type)
- Export to PDF/CSV (Download data for internal analysis)
- Send Reports to Management (Automate report sharing for executives)

6. System Analytics & Logs

- View Order Trends (Analyze demand patterns and high-volume periods)
- Monitor Fuel Demand (Track consumption rates per location)
- Track Default Rates (Assess risks based on late or failed payments)
- System Performance Logs (Check for API errors, downtime, and app issues)

Additional Information

FuelRescue users should be able to borrow money from peers on BoroPose to pay for fuel.

Detailed requirements for drivers.

Below is a comprehensive breakdown of driver-related functionalities, workflows, and requirements.

Driver Requirements for FuelRescue

1. Role Overview

Drivers are responsible for picking up, transporting, and delivering fuel to customers using specially designed FuelRescue trucks. They must follow safety protocols, track deliveries, and update statuses in real-time via the FuelRescue Driver App.

2. Functional Requirements

2.1 Driver App Features

1. Driver Registration & Verification

- Signup/Login via phone number & OTP.
- Upload valid driver's license & company ID.
- Provide truck registration details.
- Background check & approval by admin.

2. Order Assignment & Acceptance

- Receive fuel delivery requests in real-time.
- Option to accept or reject a delivery request.
- Display fuel type, quantity, pickup location, and delivery destination.

3. Route Optimization & Navigation

- Integrated Google Maps API for best route suggestions.
- Live traffic updates for efficient delivery.
- Alternate route suggestions in case of blockages.

4. Delivery Tracking & Status Updates

- Start trip once the order is accepted.
- Update delivery status: "In Transit", "Near Arrival", "Delivered".
- Automatic ETA updates to customers.

5. Digital Proof of Delivery

- Collect customer signature on the app.
- Upload photo proof of fuel transfer.
- Scan QR code from customer's app for confirmation.

6. Driver Wallet & Earnings

- View daily earnings & completed orders.
- Track incentives and bonuses.
- Withdraw earnings to bank account.

7. Safety & Compliance

- Mandatory checklists before trip start (vehicle inspection).
- Emergency support button for fuel spills, accidents, or theft.
- Speed monitoring and alerts for reckless driving.

8. Ratings & Feedback

- Customers can rate drivers after each delivery.
- Drivers can provide feedback on delivery conditions.
- Poor ratings result in warnings or suspension.

3. **Backend Requirements (Admin Portal)**

3.1 Driver Management

- View registered drivers and approve/reject applications.
- Monitor driver locations & active orders in real-time.
- Suspend or blacklist drivers with repeated infractions.

3.2 Driver Performance Analytics

- Track on-time delivery rates.
- Identify high-performing drivers for rewards.
- Flag late deliveries & complaints.

4. Driver Workflow

Step 1: Registration & Onboarding

1. Driver signs up via the FuelRescue Driver App.
2. Uploads license, truck registration, and ID.
3. Admin reviews and approves the account.

Step 2: Accepting & Completing Orders

1. Receive a fuel delivery request.
2. Check fuel type, quantity, and destination.
3. Accept the order and start trip.
4. Follow optimized route for fast delivery.
5. Mark "Delivered" after successful transfer.

Step 3: Payment & Earnings

1. View earnings dashboard after each delivery.
2. Request withdrawal of available funds.
3. Receive bonuses for excellent ratings.

5. Driver App Wireframe



Basic wireframe for the FuelRescue Driver App, outlining the key functionalities that drivers will interact with.

Key Screens & Features




1. Driver Profile & Earnings
 - View account details, earnings summary, and payout options.
2. Available Delivery Requests
 - List of new orders that the driver can accept.
3. Active Delivery & Route Tracking
 - Live navigation and real-time tracking of assigned orders.
4. Customer Signature & Confirmation
 - Proof of delivery via signature or QR code scan.
5. Safety Checklist & Emergency Support
 - Mandatory vehicle inspection before starting trips.

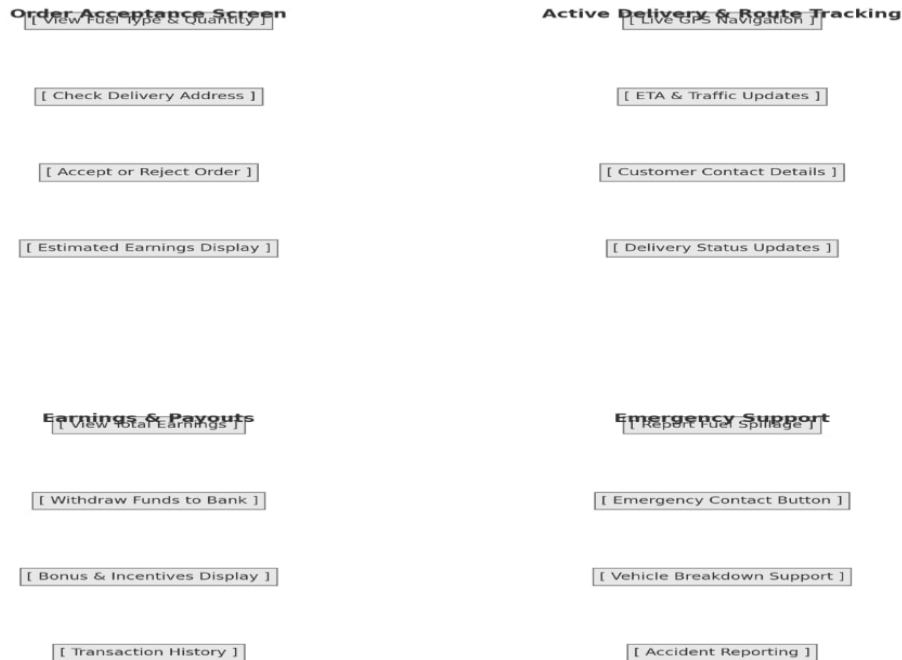
- Emergency button for reporting fuel spills or accidents.

6. Order History & Ratings

- View past completed orders and customer ratings.

Footer Navigation Bar

-  Home – Driver dashboard
-  Deliveries – Active and past orders
-  Earnings – Payment & payout management



Detailed wireframes for the key screens in the FuelRescue Driver App, covering critical functionalities:

1. Order Acceptance Screen

- View Fuel Type & Quantity before accepting the order.
- Check Delivery Address and estimated trip distance.
- Accept or Reject Order based on availability.
- Estimated Earnings Display to show potential income from the trip.

2. Active Delivery & Route Tracking

- Live GPS Navigation to ensure the fastest route.
- ETA & Traffic Updates for efficient delivery.
- Customer Contact Details for quick communication.
- Delivery Status Updates (In Transit, Arriving, Delivered).

3. Earnings & Payouts

- View Total Earnings from completed trips.
- Withdraw Funds to Bank instantly or on a schedule.

- Bonus & Incentives Display for high-rated drivers.
- Transaction History of completed deliveries.

4. Emergency Support

- Report Fuel Spillage to alert FuelRescue admin.
- Emergency Contact Button for immediate help.
- Vehicle Breakdown Support to request roadside assistance.
- Accident Reporting to submit proof and claim support.

Customer Verification & Delivery Confirmation

[Scan QR Code / Enter PIN]

[Capture Customer Signature]

[Upload Photo Proof]

[Confirm Delivery Completion]

Incident Reporting & Support

[Select Incident Type]

[Attach Photos or Videos]

[Describe the Issue]

[Submit Report to Admin]

Detailed wireframes for two additional driver-specific interactions in the FuelRescue Driver App:

1. Customer Verification & Delivery Confirmation

- Scan QR Code / Enter PIN to verify customer identity.
- Capture Customer Signature digitally for proof of delivery.
- Upload Photo Proof of fuel transfer (e.g., meter reading).
- Confirm Delivery Completion to close the order.

2. Incident Reporting & Support

- Select Incident Type (e.g., fuel spill, vehicle breakdown, accident).
- Attach Photos or Videos for evidence submission.
- Describe the Issue for quick admin assistance.
- Submit Report to Admin for immediate support.

Fuel Pickup & Dispatch Confirmation

[Confirm Fuel Type & Quantity]

[Verify Pickup Location]

[Start Trip Button]

[Admin Notification if Issue]

Driver Ratings & Performance Dashboard

[View Overall Rating]

[Check Completed Orders & Earnings]

[See Customer Feedback]

[Track Bonus & Incentives]

Additional wireframes that enhance the driver experience:

1. Fuel Pickup & Dispatch Confirmation – Ensuring that the correct fuel type and quantity are loaded before dispatch.

2. Driver Ratings & Performance Dashboard – Allowing drivers to monitor their ratings, trip history, and incentives.

Additional wireframes that will further improve the FuelRescue Driver App:

1. Fuel Pickup & Dispatch Confirmation

- Confirm Fuel Type & Quantity before leaving the fuel depot.
- Verify Pickup Location to prevent errors.
- Start Trip Button to initiate the delivery.
- Admin Notification if Issue (e.g., incorrect fuel quantity or depot delay).

2. Driver Ratings & Performance Dashboard

- View Overall Rating based on customer feedback.
- Check Completed Orders & Earnings for a full transaction history.
- See Customer Feedback for insights into performance.
- Track Bonus & Incentives for meeting performance benchmarks.

Depot Locator & Refill Guidance

[Show Nearest Depots]

[Display Fuel Availability]

[Suggest Optimal Depot Based on Route]

[Navigate to Depot]

Fuel Quantity Monitoring & Refill Alerts

[Track Fuel Loaded at Depot]

[Monitor Fuel Left After Delivery]

[Send Refill Alerts]

[Prevent Unauthorized Fuel Usage]

New driver features visualized as wireframes for the FuelRescue Driver App:

1. Depot Locator & Refill Guidance

- Show Nearest Depots where drivers can refill.
- Display Fuel Availability at each depot in real-time.
- Suggest Optimal Depot Based on Route for efficiency.
- Navigate to Depot via integrated GPS.

2. Fuel Quantity Monitoring & Refill Alerts

- Track Fuel Loaded at Depot before leaving.
- Monitor Fuel Left After Delivery to ensure accountability.
- Send Refill Alerts when the fuel level is low.
- Prevent Unauthorized Fuel Usage by tracking discrepancies.

Smart Fuel Usage Analytics

[Daily Fuel Consumption Report]

[Detect Fuel Discrepancies]

[Unauthorized Fuel Use Alerts]

[Admin Notifications]

AI-Powered Route Optimization

[AI-based Route Planning]

[Avoid High-Traffic Areas]

[Suggest Shorter Alternative Routes]

[Optimize Fuel Efficiency]

Emergency Fuel Backup & Driver Assistance

[Notify Backup Drivers for Help]

[Alert Admin for Fuel Restock Issues]

[Roadside Assistance & Towing]

[Emergency Fuel Dispatch]

Final notes and Additional information.

Since FuelRescue Driver App is critical for ensuring efficient fuel delivery operations, these are three additional advanced features for improved tracking, security, and automation:

1. Smart Fuel Usage Analytics

- Show daily fuel consumption reports per trip.
- Detect fuel discrepancies (e.g., missing fuel after delivery).
- Alert drivers and admins about sudden drops or unauthorized fuel use.

2. AI-Powered Route Optimization & Traffic Avoidance

- Use AI-based route planning for optimal fuel delivery routes.
- Avoid high-traffic areas and suggest alternate paths.
- Reduce delivery time and fuel wastage due to delays.

3. Emergency Fuel Backup & Driver Assistance

- Notify nearest FuelRescue backup drivers if a vehicle breaks down.
- Alert admin for fuel restock emergencies if a depot runs low.
- Provide roadside assistance & towing options in case of accidents.

Wireframes for these advanced features.

Final Enhancements for FuelRescue Driver Operations

- ☒ **Smart Fuel Usage Analytics** – Prevents fuel theft & inefficiencies.
- ☒ **AI-Powered Route Optimization** – Ensures faster, smarter deliveries.
- ☒ **Emergency Fuel Backup & Driver Assistance** – Provides 24/7 driver support for breakdowns & emergencies.