

What the app does:

This app connects to **fuel pumps** and the **store's POS (Point of Sale)** system. It stops customers from stealing fuel (drive-offs) and gives loyalty points when people buy fuel or shop.

The app works in **two modes** — Daytime and Night.

Daytime Mode (when the store is open):

1. Customer uses the app at the pump.
2. The app **takes a deposit payment first** (e.g., \$50).
3. The pump starts and lets the customer fill fuel.
4. The customer goes inside and **pays the final amount** at the counter (using POS).
5. The app checks how much fuel they got and **gives loyalty points**.
6. If fuel was less than the deposit, the extra money is refunded.

Needs:

- Connect app to payment system (e.g., Stripe or similar)
 - App must “talk” to pump to release fuel after deposit
 - POS must confirm final payment to app
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Night Mode (when store is closed):

1. Customer opens the app at the pump.
2. The app takes **full payment before fuel starts** (no staff needed).
3. The pump lets them fill up **up to that amount**.
4. The app tracks it and gives **loyalty points**.

Needs:

- App acts as full POS at night
 - Prepay only
 - Real-time pump control + fuel amount tracking
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 **Key Tech Needed (for MVP):**

- **Pump control API or protocol support** (e.g. serial/RS-232 or HTTP if newer)
- **Payment gateway integration** (Stripe, etc.)
- **Simple loyalty system** (points based on dollars spent)
- **Admin dashboard** (view transactions, points, usage)
- **User app** (select pump, pay, get points)