StarkParking

Introduction

Seamless, secure parking solutions on Starknet

Overview

Purpose

StarkParking aims to modernize urban parking with a decentralized platform that enhances transparency, efficiency, and accessibility.

Key Components

The solution includes on-chain booking, automated fee processing, and support for multiple parking locations with unique rates and availability.

Advantages

- For drivers, StarkParking offers clear pricing and easy booking.
- For owners, it enables instant revenue access and eliminates reliance on intermediaries, reducing operational costs.

How it works

Parking Lot Registration

Parking lot owners register on StarkParking, providing details like location, available slots, hourly rates, and their wallet address for direct payments.

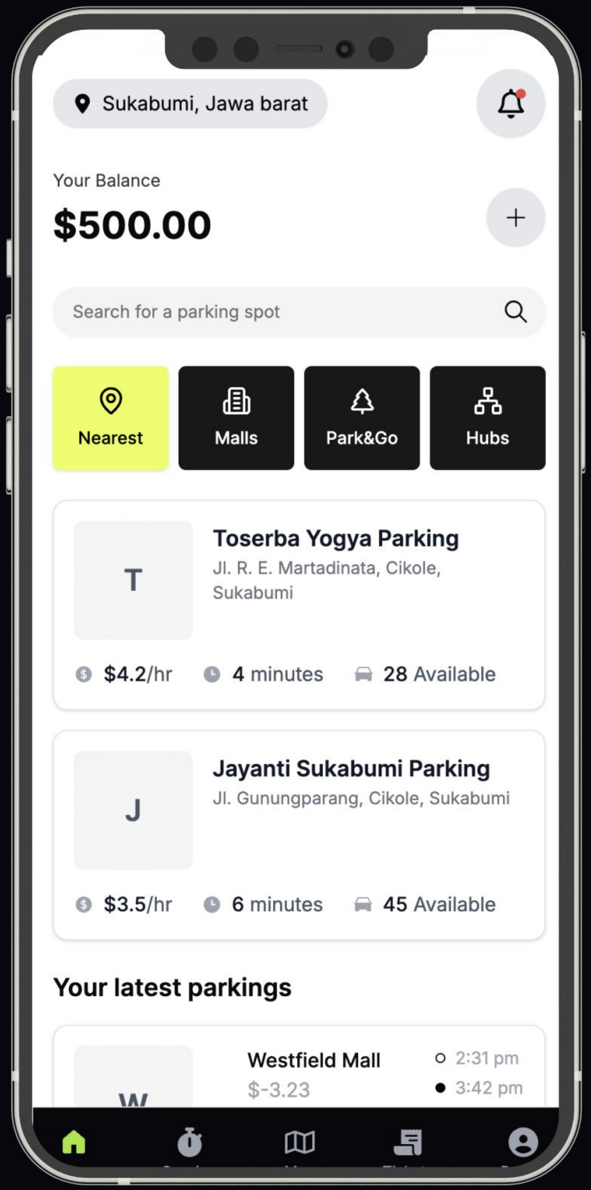
Booking & Payment

Drivers book slots in real-time and pay based on hourly rates, with payments processed securely on-chain.

Tracking & Management

Entry and exit times are recorded on-chain, enabling automated time tracking and precise payment calculation.

Key features



Your Balance

$500.00

T Toserba Yogya Parking
Jl. R. E. Martadinata, Cikole, Sukabumi
$4.2/hr 4 minutes 28 Available

J Jayanti Sukabumi Parking
Jl. Gunungparang, Cikole, Sukabumi
$3.5/hr 6 minutes 45 Available

Your latest parkings

Westfield Mall
$-3.23
2:31 pm
3:42 pm

StarkParking

On-chain Payments

Secure, transparent payments processed directly on the blockchain, reducing transaction fees and eliminating intermediaries.

Real-Time Booking

Drivers can view available slots and book instantly, ensuring a seamless and efficient parking experience.

Mini-App on Telegram

Users can manage bookings and receive notifications through a convenient mini-app on Telegram, allowing for easy access and real-time updates.

Decentralized Data Management

Parking data stored on-chain enhances transparency, security, and reliability, removing risks associated with centralized data storage.

Meet our team

Duong Phan Anh

Cairo Dev

Hoang Anh Nguyen

Front-end Dev

StarkParking

Milestones for Hacker House

Nov 6: Initial Setup & Planning

- Define key features and confirm milestones for each day.
- Set up project repository and structure for parallel development.
- **Smart Contract:** Start core functions for parking registration, booking, and payment.

Nov 7: Concurrent Development: Smart Contract, Front-End & Back-End

- **Smart Contract:** Finalize core functions.
- **Front-End:** Begin UI layout and wallet connection setup.

Nov 8 - Test and continue Front-end intergration

- **Smart Contract**: Integrate oracle for STRK price conversions and finalize fee logic.
- **Front-End:** Build booking interface and initial API integration for booking and registration.

Nov 9 - Testing & Feature Refinements

- **Backend:** Test contract functions, finalize storage structure, and ensure gas efficiency.
- **Front-End**: Refine booking and payment flow in the UI.

Nov 10 - Final Testing & Demo

- Conduct end-to-end testing across contract and front-end.

Thank you

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