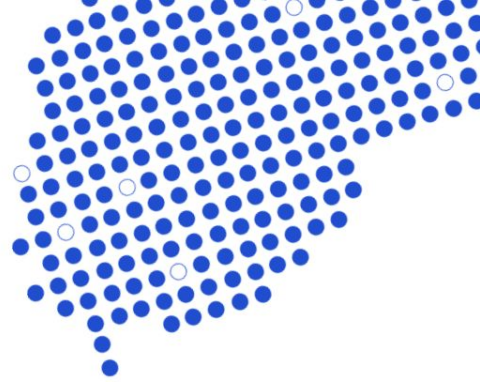


QwikPay – Self-Checkout Solution

BY ATHERSYNC

Introducing QwikPay, the innovative solution for seamless shopping and billing through AI-powered QR technology.



Introduction to QwikPay

AI-powered QR-based Self-Checkout and Billing System



What is QwikPay?

QwikPay is an innovative AI-powered QR-based self-checkout and billing system designed to streamline the payment process for consumers and businesses alike.



Key Features

Utilizes cutting-edge AI technology to facilitate quick and secure transactions, reducing checkout time significantly and improving customer satisfaction.



User-Friendly Interface

The system offers an intuitive user interface that allows users to navigate effortlessly through the checkout process, enhancing overall user experience.



Secure Transactions

QwikPay ensures secure transactions through advanced encryption methods, providing peace of mind for both customers and merchants.



Cost Efficiency

By minimizing the need for physical cash handling and reducing labor costs, QwikPay offers a cost-effective solution for retailers.

Current Challenges in Retail Checkout

Understanding the key obstacles retailers face

Long Queues

One of the most prominent challenges faced by retailers is the presence of long queues at checkout counters. Customers often experience frustration waiting in line, leading to dissatisfaction and potential loss of sales. Efficient checkout solutions are essential to enhance customer experience.

High Labor Costs

Labor costs in retail are significantly high, primarily due to the need for multiple cashiers during peak hours. This financial burden can affect overall profitability. Retailers are exploring automation and self-checkout systems to reduce reliance on manual labor.

Limited Checkout Lanes & Scalability

Most stores have a fixed number of checkout counters, making it difficult to handle sudden customer surges. Smaller retailers lack space for additional counters, causing congestion. QwikPay's mobile checkout removes these limitations by allowing unlimited self-checkout transactions.

Comparison of Checkout Times

To illustrate the impact of these challenges, a graph comparing checkout times across traditional checkout, self-checkout, and QwikPay systems will be included. This visual representation will highlight the efficiency of modern solutions in reducing wait times.

Technology Stack

An in-depth look at the components that power our application

Frontend

React.js (TypeScript) for UI & logic
Vite for fast development and optimized performance
ShadCN/UI for modern and accessible UI components
Lucide Icons (lucide-react) for intuitive and sleek icon

Libraries & Integrations

QRScanner Component for seamless product scanning
Sonner (Toast Notifications) for instant user alerts and feedback
Tailwind CSS or CSS Modules for highly responsive and maintainable styling

Security Panel

An AI-powered fraud detection system that monitors transactions and user behavior to enhance application security.



Backend

Supabase for authentication, real-time database storage, and API handling
Google Sheets API (if used for product data management)

AI Chatbot

Integration of the Llama API to provide users with AI-driven assistance and support within the application.

The QwikPay Solution

Streamlining Payments with Innovative Technology

01 Scan QR Code on products

The first step in the QwikPay process where customers scan the QR code located on product packaging to initiate their purchase.

02 Products auto-added to digital cart

Once the QR code is scanned, the selected product is automatically added to the customer's digital shopping cart, streamlining the shopping experience.

03 Instant checkout & UPI payment

Customers can proceed to instant checkout with just a few taps, utilizing UPI for a fast and convenient payment process.

04 Security verification via QR

To ensure a secure transaction, the system performs a security verification step via the QR code, protecting both the customer and the merchant.



Competitive Analysis

An in-depth look at how payment solutions stack up against each other.

Feature	QwikPay	Amazon Go	Self-Checkout Kiosks
Mobile QR Billing	✓	✗	✗
AI Chatbot	✓	✓	✗
Security Panel	✓	✗	✗
Cost-Effective	✓	✗ (High Infra)	✗ (Hardware Needed)

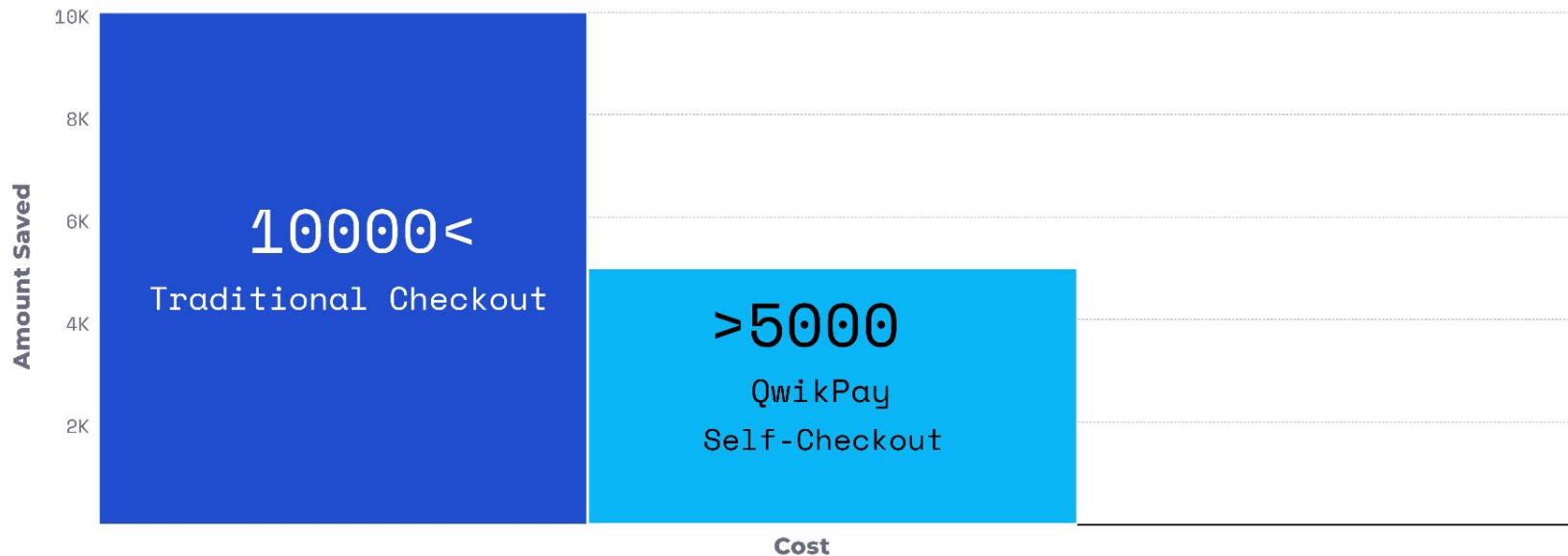
Market Opportunity

Growth in Retail Automation In India

Year	Market Size (Billion \$)	Percentage Increase
2021	4	-
2022	5	25.0
2023	6.5	1.5
2024	8	1.5
2025	9.5	1.5
2026	11	1.5

Cost Savings for Retailers

How QwikPay Saves Costs



Source: Companies Market Cap

Launch of AI Photo-Based Cart Verification

The introduction of AI photo-based cart verification marks a revolutionary step in enhancing the shopping experience. This technology will allow customers to verify their cart items with a simple photo, reducing checkout time and increasing accuracy.

Integration with Digital Payment Systems

In the second year, the platform will integrate with major digital payment systems including UPI, Apple Pay, and Google Pay. This integration will streamline the payment process, making transactions faster and more secure for customers.

Expansion to 2,000 Stores

By the end of the third year, we aim to expand our service to 2,000 retail stores. This will significantly increase our market presence and make our innovative cart verification technology accessible to a larger customer base.

Future Roadmap & AI-Powered Cart Verification

A Strategic Plan for Innovation
and Growth

Further Expansion to 5,000 Stores

Continuing our growth strategy, we will reach 5,000 stores by the fourth year. This milestone will allow us to gather more data and feedback, optimizing our AI algorithms for better user experience.

Achieving 10,000 Stores

In five years, our goal is to have our AI-powered cart verification system implemented in over 10,000 stores. This expansion will position us as a leader in retail technology, providing unparalleled service and convenience to shoppers.

Becoming a Unicorn

After deploying QwikPay in 10,000+ stores, we will achieve high transaction volume, becoming a leader in AI-powered checkout. Revenue from SaaS fees, and AI insights will drive growth. With strong adoption, investors and VCs will push QwikPay to a \$1B valuation, securing unicorn status.

Future Roadmap & AI-Powered Cart Verification

A Strategic Plan for Innovation
and Growth

AtherSync – AI SaaS & Product Lineup

AtherSync: Innovating AI, ML, and AI SaaS for next-gen automation!

QwikPay: Scaling to an Industry-Level Product

Expanding QwikPay to 10,000+ stores with AI-powered fraud detection & analytics.

Integrating with UPI, Apple Pay, Google Pay for seamless transactions.

AI-Powered Gym Assistant (FITAI)

MoveNet AI for real-time motion tracking & workout form correction.

LLM-driven chatbot for guided training & voice coaching via HeyGen & ElevenLabs

Small Language Models for Developers

AI-powered Python, MERN Stack, and MEAN Stack development tools.

Features include automated debugging, project optimization & AI-driven automation.

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THANK YOU