

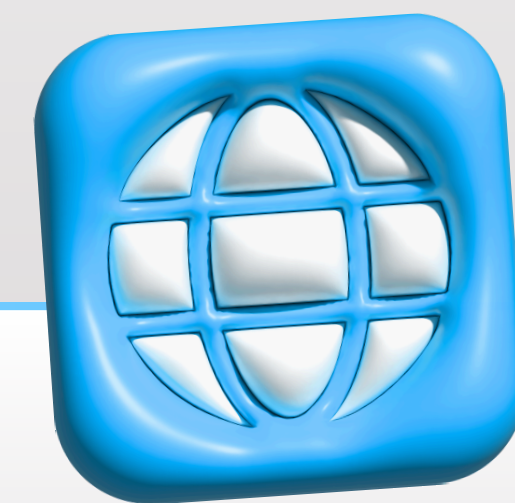


[About](#)

[Service](#)

[Contact](#)

FULL STACK DEVELOPER & FIRMWARE ENGINEER



tanakorn niamchaona (Jamebond)

Bangkok , Thailand

About Me



TANAKORN NIAMCHAONA
(JAMEBOND)



I am a versatile Embedded Systems Programmer passionate about hardware and end-to-end system development. My core expertise lies in circuit design and firmware development for platforms such as ESP32, Arduino, Raspberry Pi, Jetson, and various microcontrollers. I build robust communication systems for industrial equipment using RS485, RS232, and UART protocols. Complementing my hardware expertise, I am experienced in Frontend development and possess mid-level Backend capabilities, backed by a solid grasp of overall system architecture. Continually expanding my knowledge, I am always ready to embrace new technologies and take on multi-disciplinary, challenging projects.

Education



(SAU) southeast asia university

- Bachelor of Engineering in Computer Engineering Graduation
- Year: 2019 | GPA: 2.59
- Senior Project: IoT Monitoring System for Coin-Operated Heating Machines

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work experience



TANAKORN NIAMCHAONA
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YAP International Co.,ltd

IT Programmer

2021 – 2023

- Mobile App Development (Core Expertise): Specialized in designing and developing mobile applications as a primary focus, utilizing cross-platform frameworks including React Native, with specific experience in developing control systems for electric motorcycles.

TANATAT SOLUTIONnal Co.,ltd

IT Programmer

2019–2021

- Mobile Application Development (B2B Kiosk Solutions): Developed custom mobile applications for B2B kiosk systems as an outsourced provider. Analyzed client requirements to deliver robust, cross-platform solutions using React Native, ensuring high stability and a seamless user experience

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work experience



TANAKORN NIAMCHAONA
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Skysee ai technology co Ltd.

IT Programmer & embedded software

2023 – PRESENT

- IoT System Development: Designed and developed end-to-end IoT solutions for production and control systems, specializing in commercial washers, dryers, coin-exchange machines, and related equipment.
- Embedded & Electronics: Circuit and PCB design, C/C++ firmware development, with extensive expertise in Arduino and ESP32 frameworks. Proficient in hardware communication protocols (UART, I2C, SPI, RS485) and IoT connectivity (MQTT, HTTP).
- IoT & Cloud Architecture: End-to-end IoT system design, MQTT infrastructure, Over-the-Air (OTA) updates, device provisioning, and cloud integration.
- AI & Automation: Data analysis, data pipeline construction, and the development of automated alerting and predictive maintenance systems.
- Backend Development: Node.js, RESTful APIs and Microservices architecture, SQL/NoSQL databases, security implementation, system logging, and message queuing.
- Mobile App Development: Cross-platform development using React Native, real-time IoT device integration, and UI/UX design.

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Other Project

- Full-Stack POS & Store Management Solution: Engineered an end-to-end retail management system. Key features include streamlined checkout operations, dynamic inventory control, and direct integration with thermal printers for automated receipt generation, significantly improving retail workflow efficiency. Programing by Electron , React.js
- Mobile Application for Smart Agriculture (IoT): Developed a responsive mobile interface to control and monitor embedded IoT systems for smart farming. Enabled real-time sensor data visualization and remote hardware actuation, creating a seamless bridge between the mobile application and microcontroller units to automate agricultural processes. Programing by React native

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SKILLS

EMBEDDED SYSTEMS

- C
- C++
- python
- pytouch

DATABASE

- Database design
- MySQL ,pas
- SQL Server
- noSQL (MongoDB)

MOBILE APPLICATION

- React native
- Android

BACKEND

- Node.js
- Res API, API design
- fastify , NestJS

PROGRAMING LANGUAGES

- C / C++
- Python
- JavaScript/Typescript
- SQL

OTHER

- Docker
- MQTT

Embedded Software ↙



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Building with Quality in Mind



Quality Through Good Practices

BEST PRACTICES

- Write Clean Code
- Optimize Performance
- Improve Accessibility
- Maintain Security
- Test Regularly



WE HAVE OVER 1000
CLIENT OF OUR
PRODUCT IN REAL-
WORLD CUSTOMER
USE.

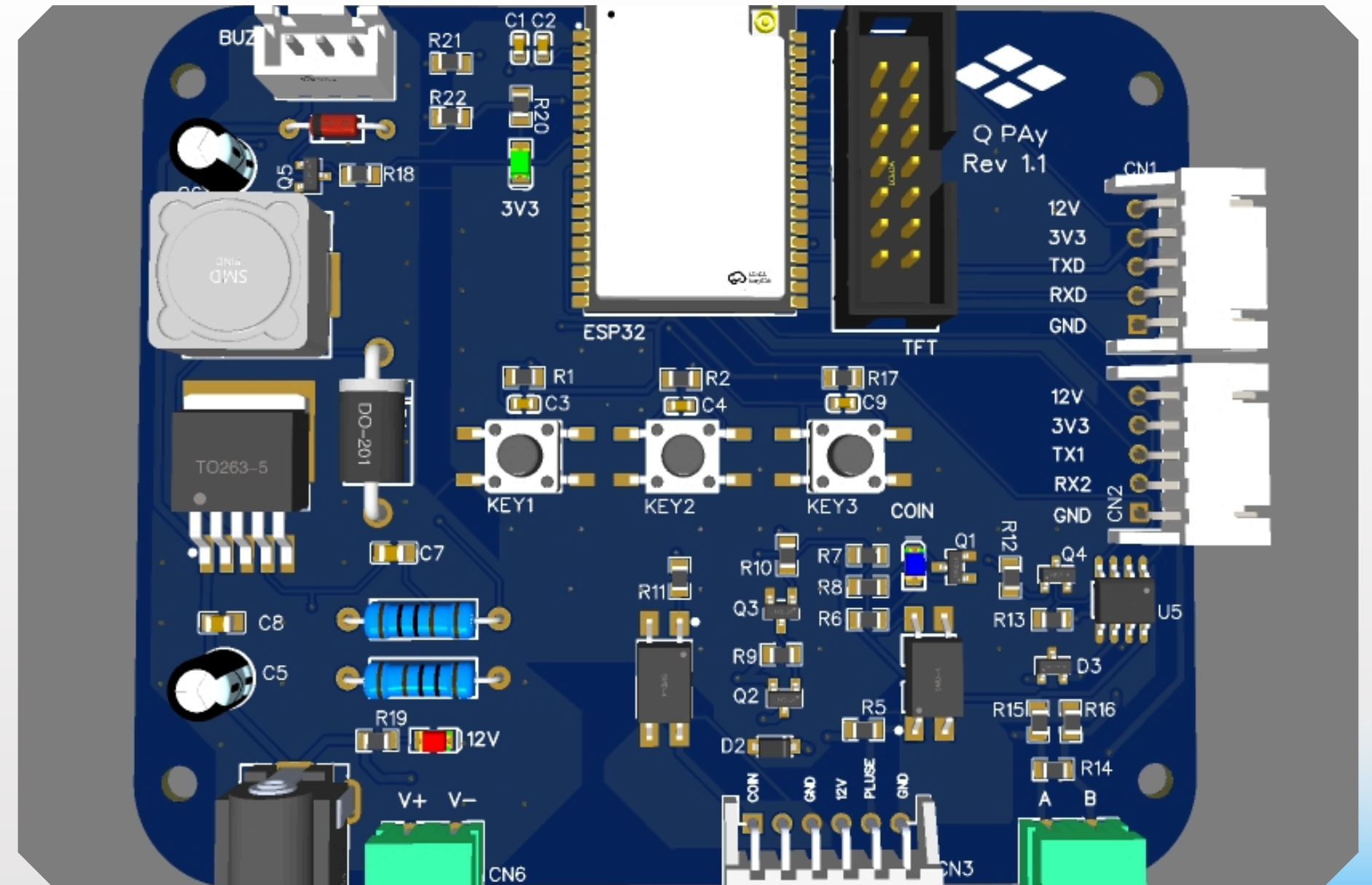
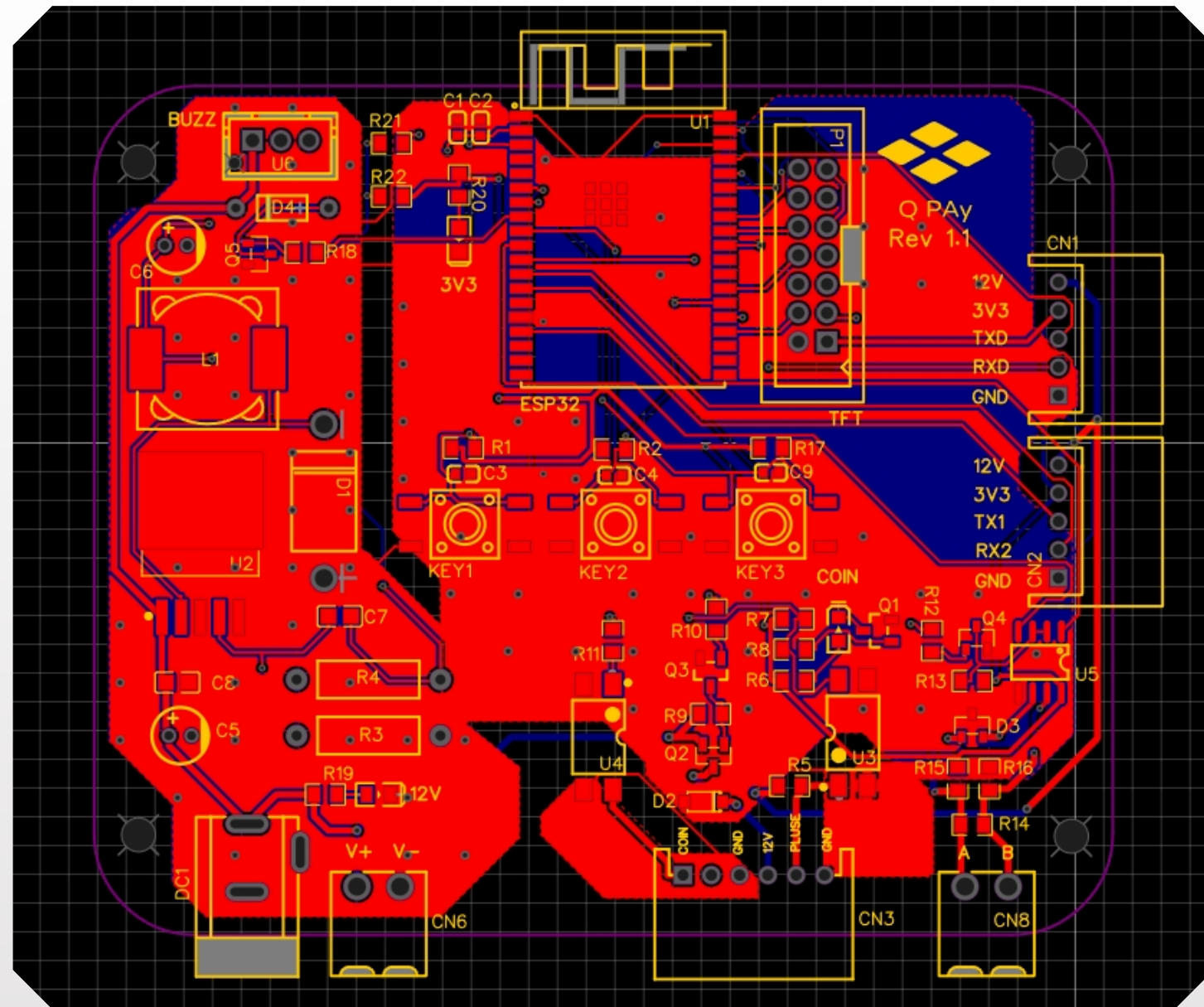
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KEY BENEFIT

Inside the World of Embedded Software

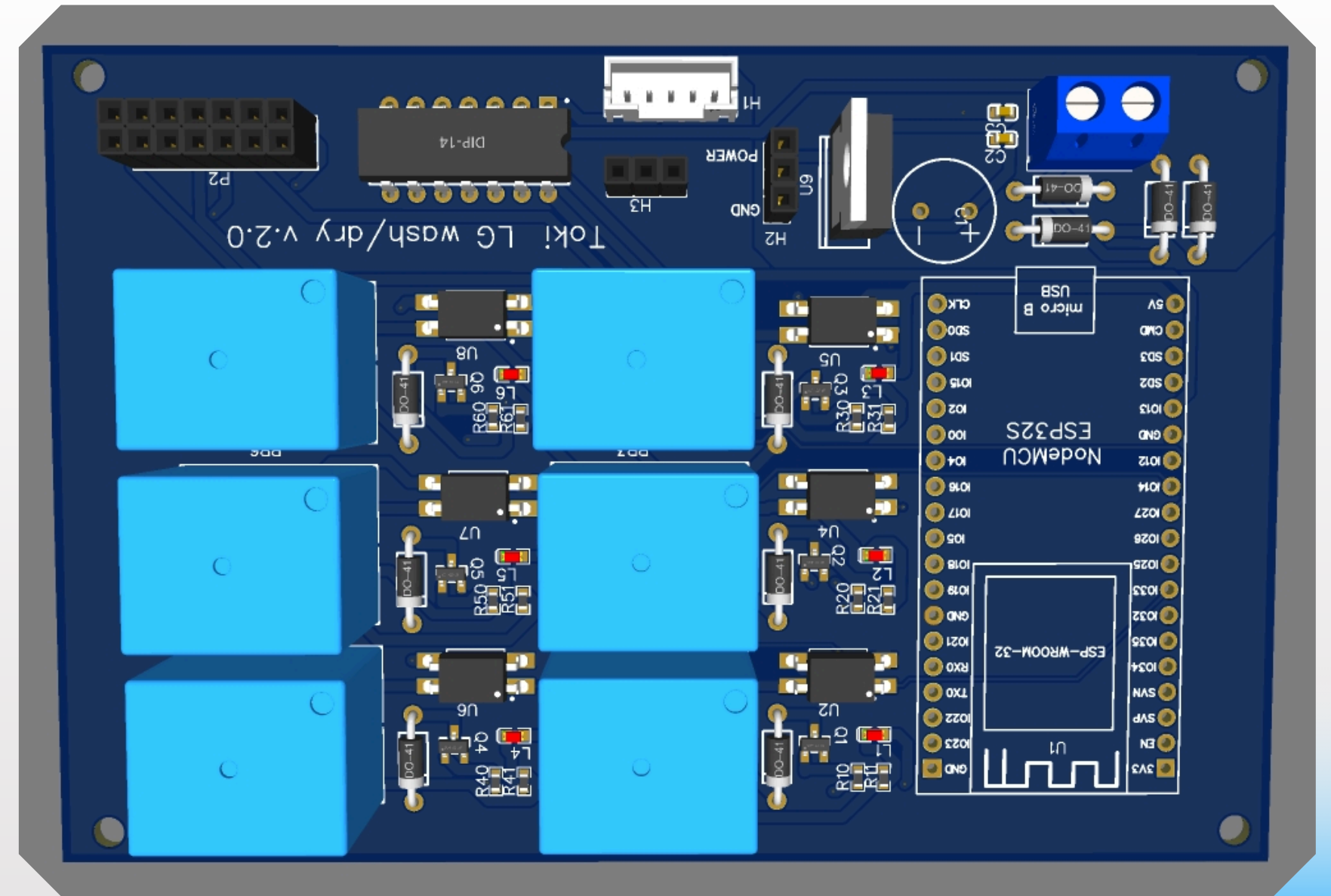
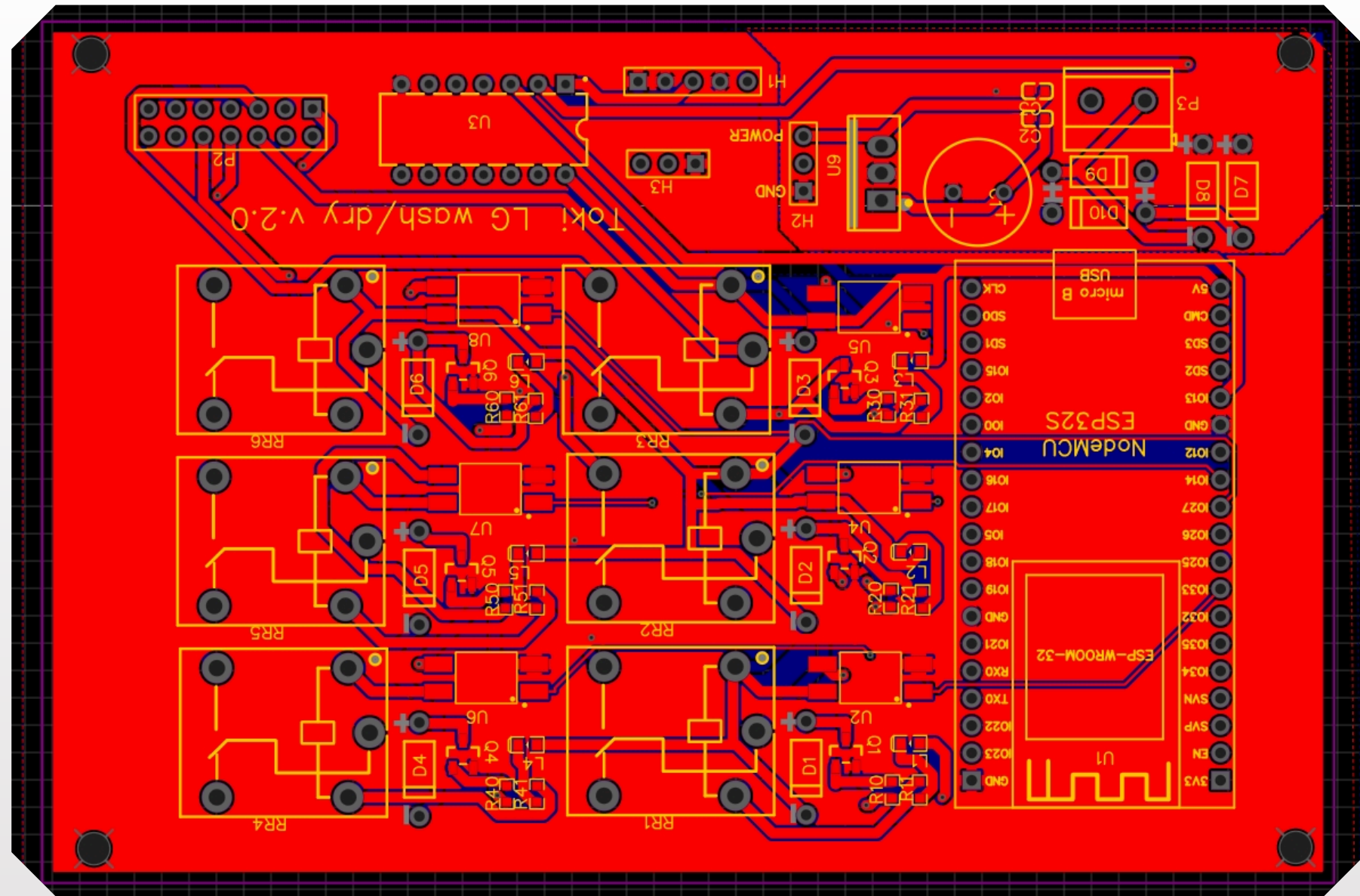
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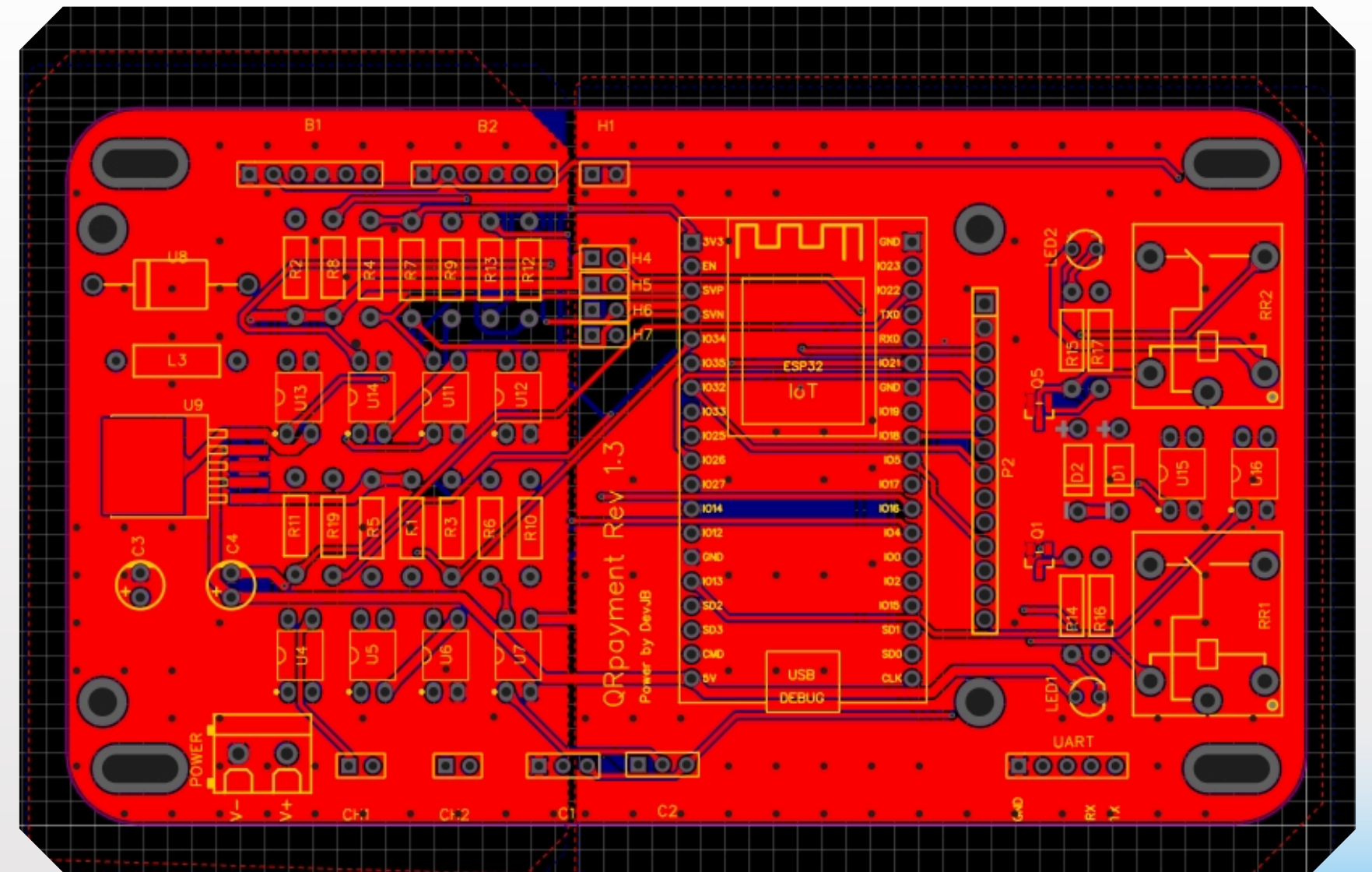
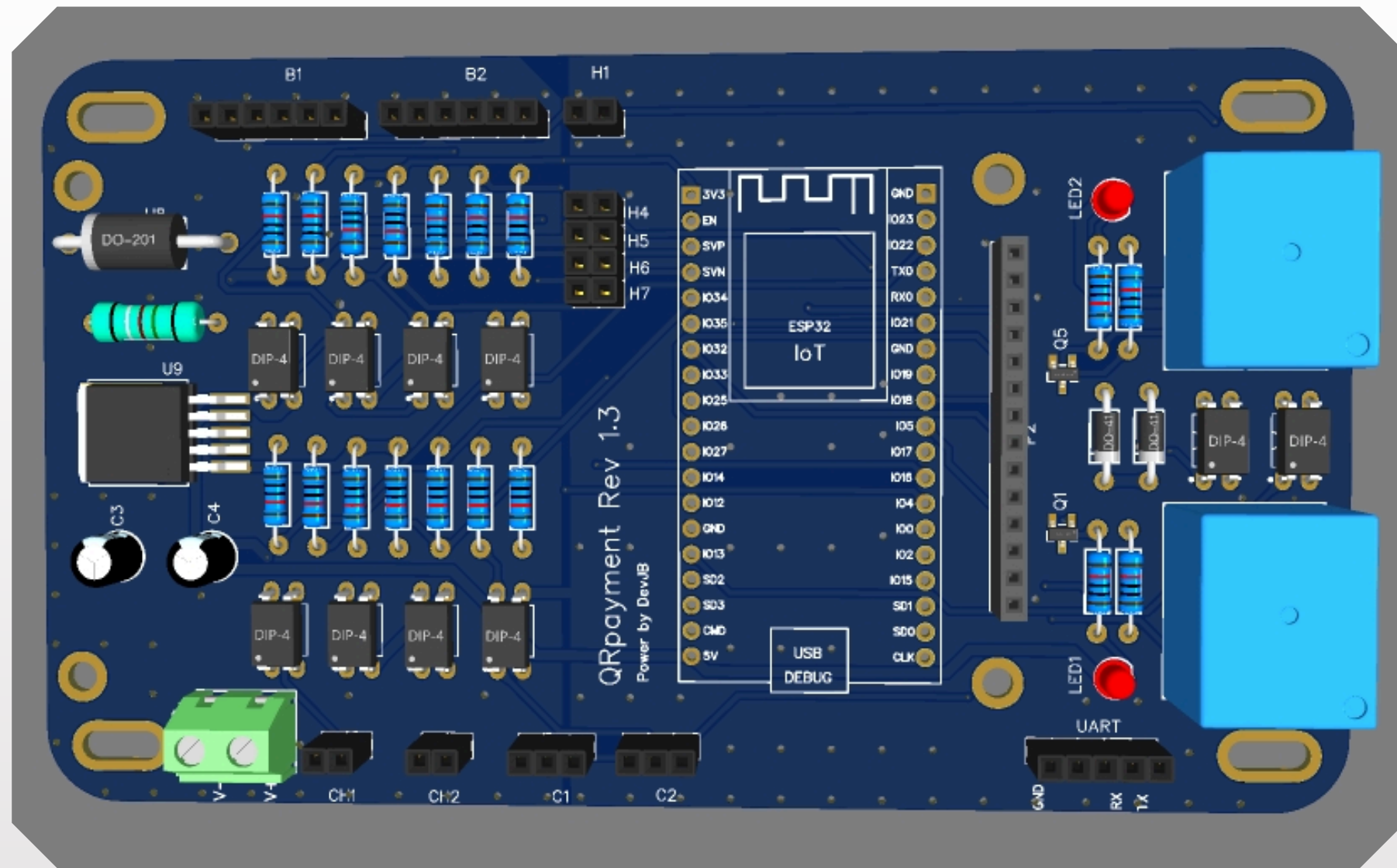
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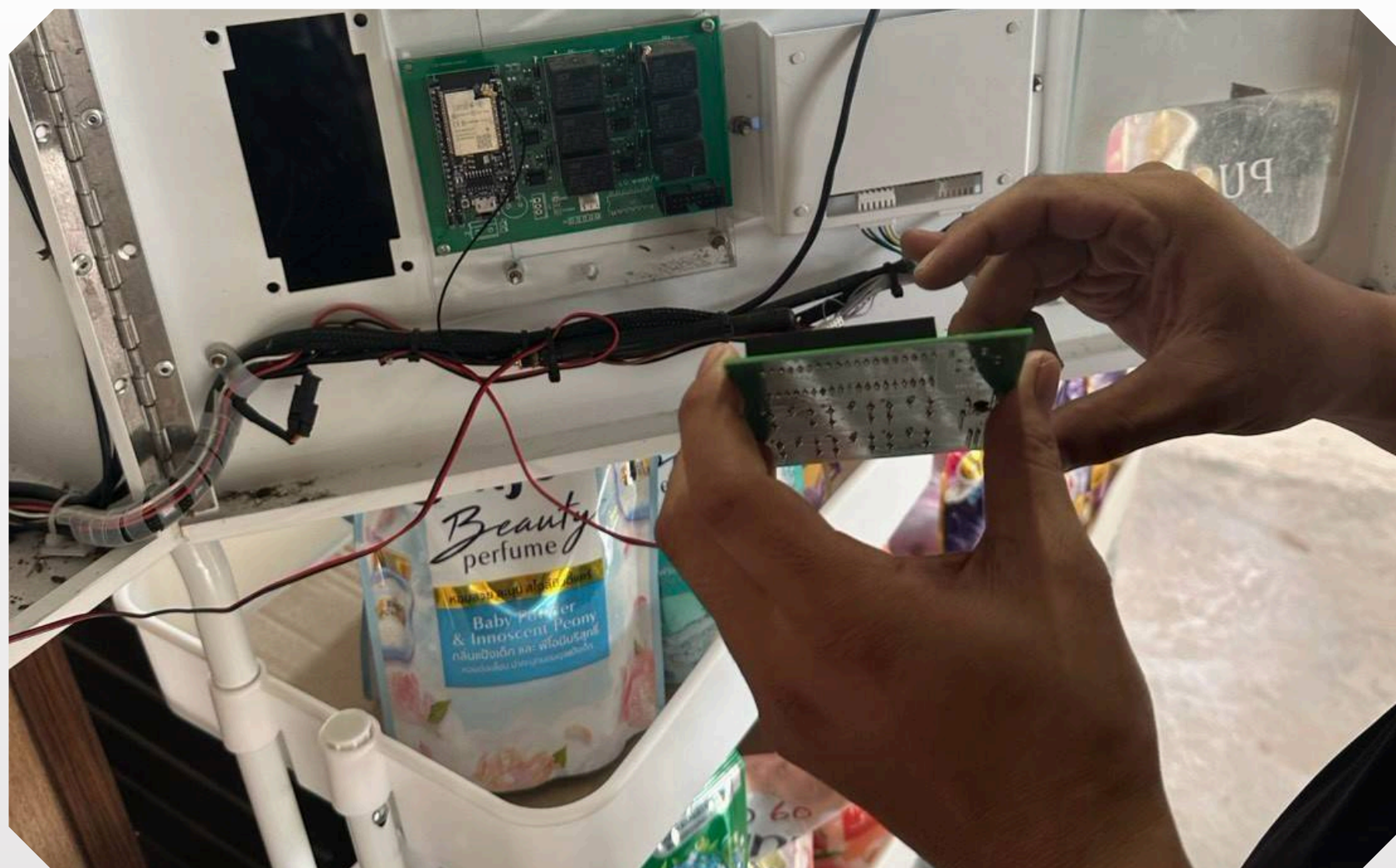
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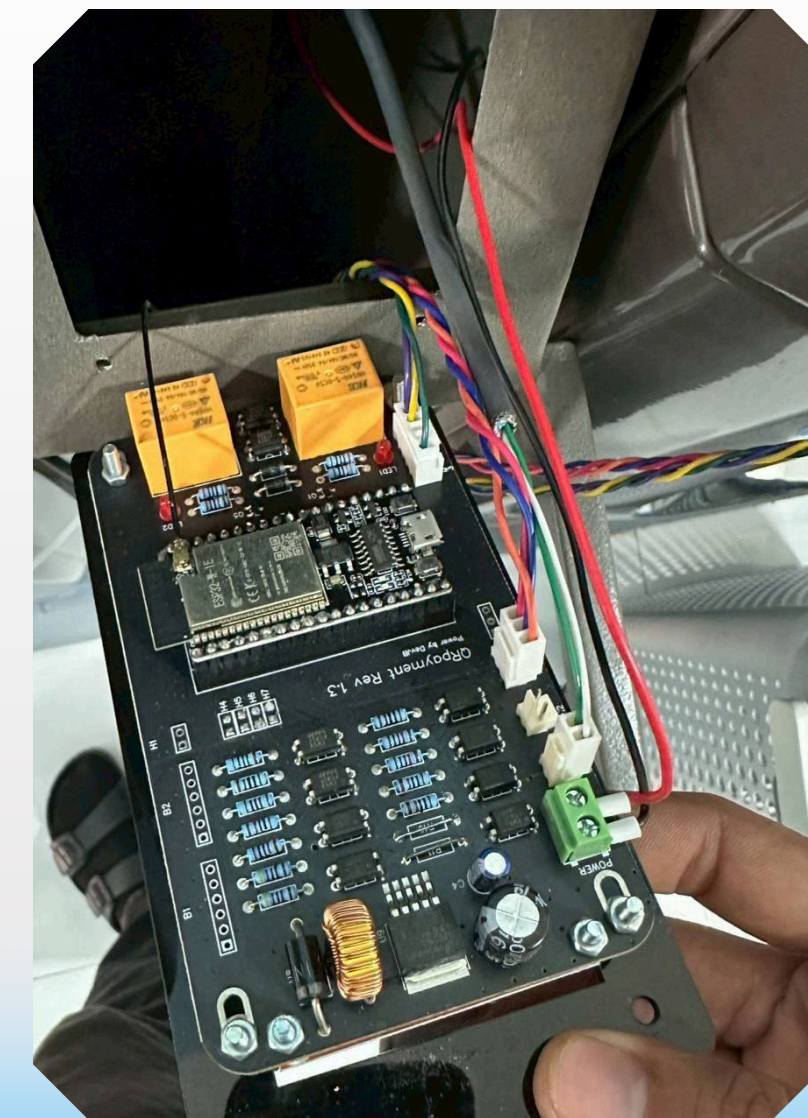
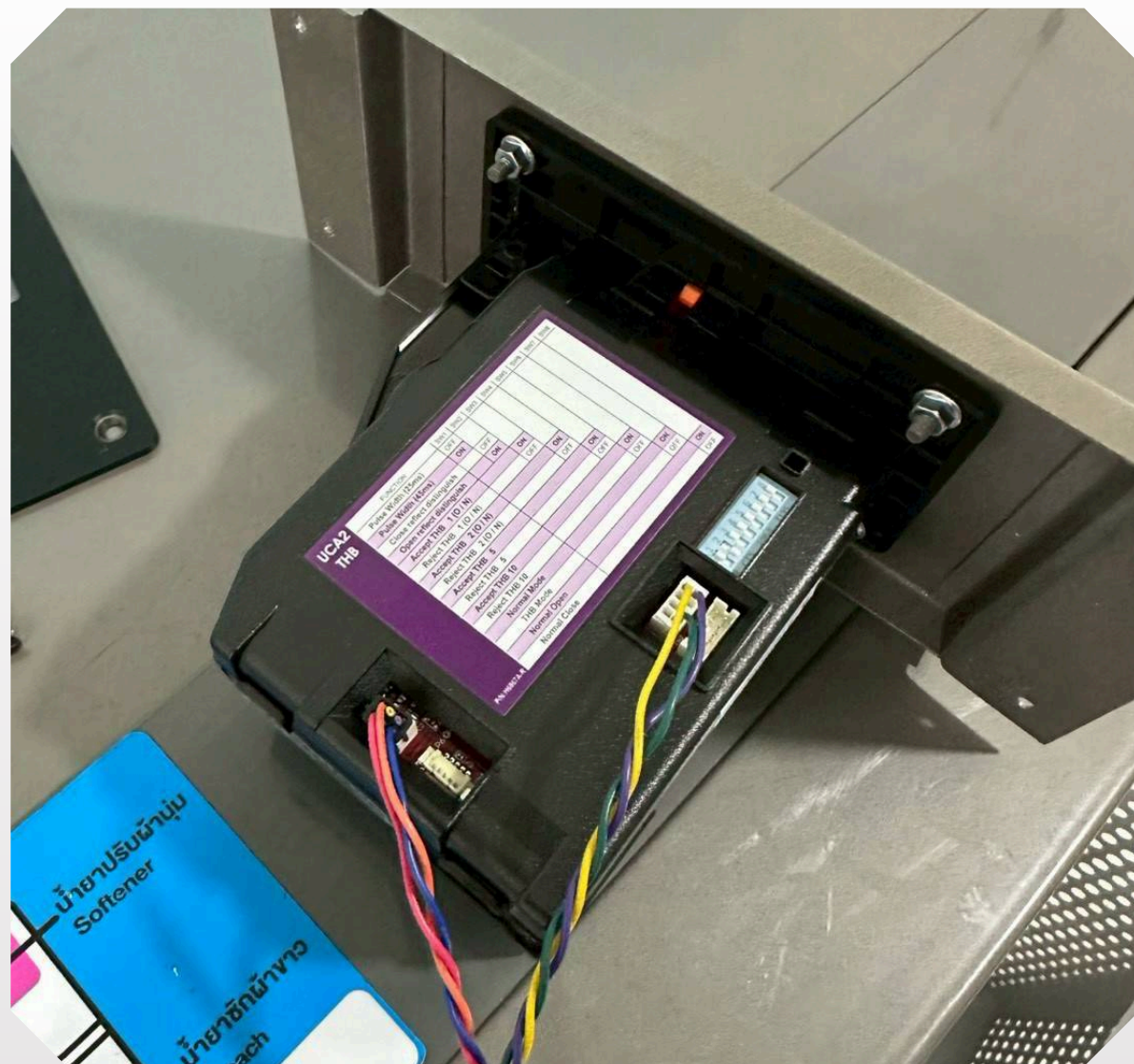
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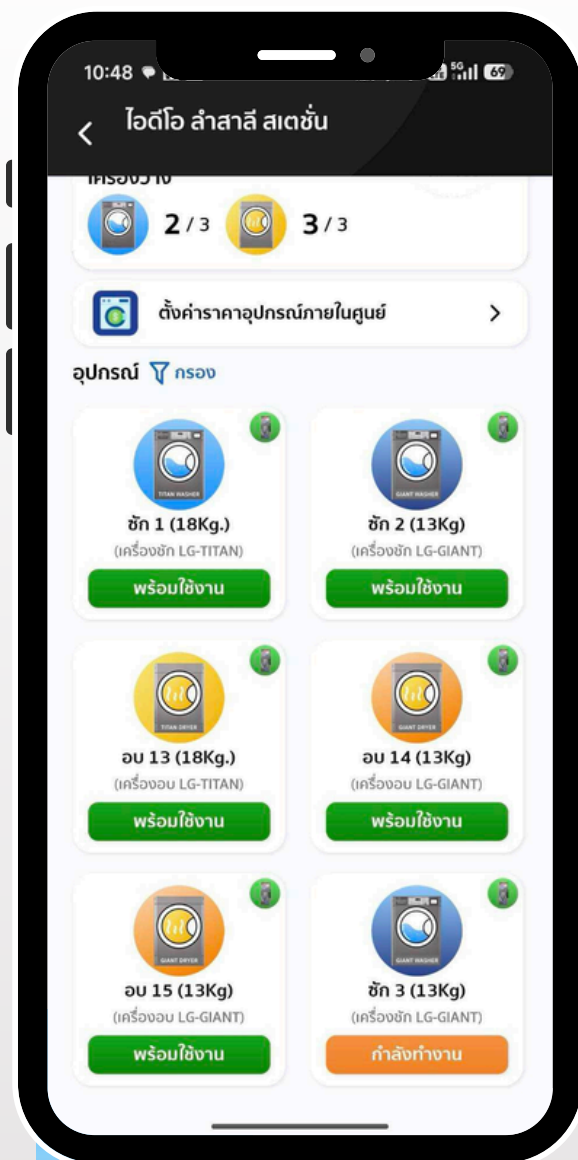
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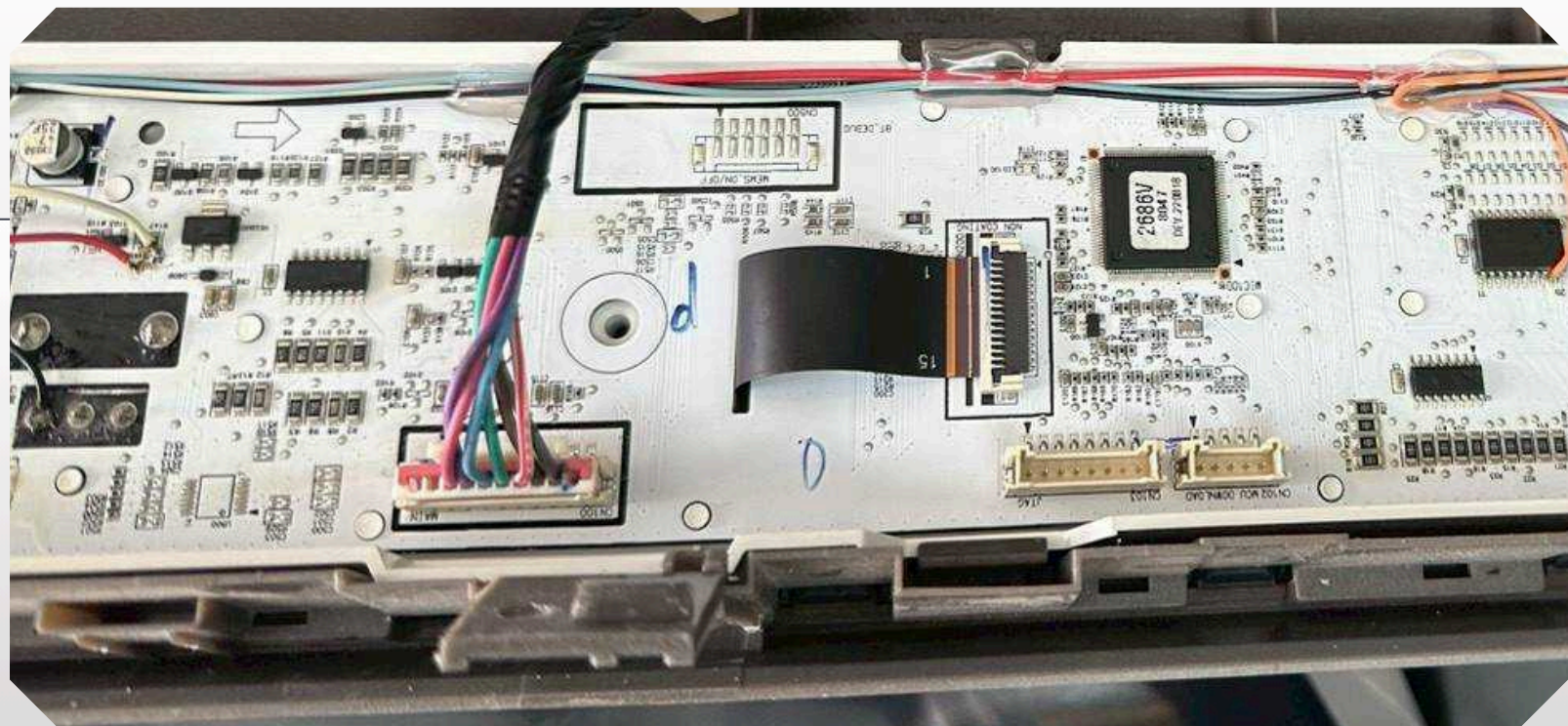


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Building with Quality in Mind ↗

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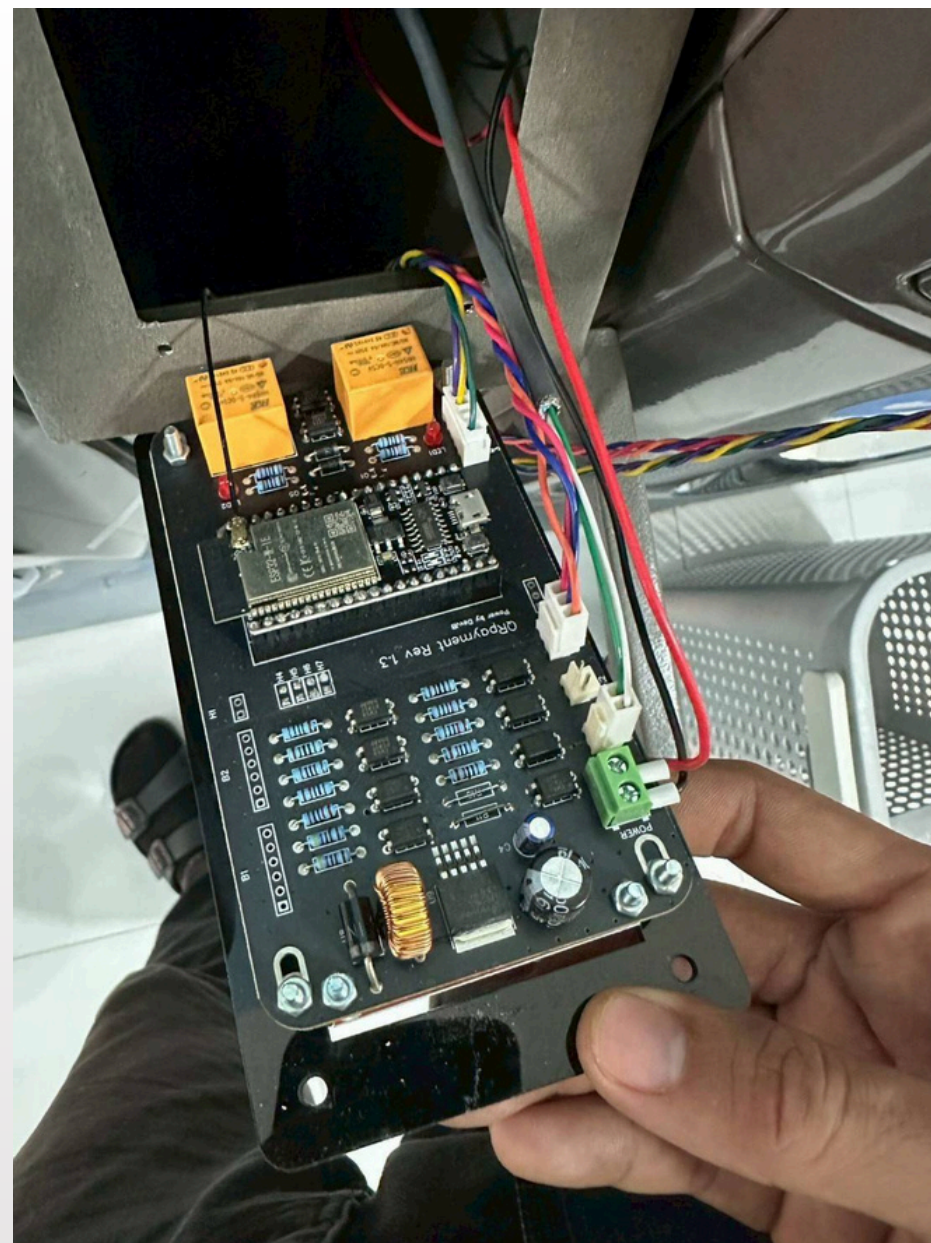
GET IN TOUCH



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- ▶ **\$SYS** (11071 topics, 100262 messages)
- ▶ **device** (1 topic, 1 message)
- ▶ **sky** (990 topics, 58386 messages)
- ▶ **toki** (11 topics, 494 messages)
- ▶ **v1** (435 topics, 648702 messages)
- ▶ **v2** (1110 topics, 236871 messages)
- ▶ **control** (207 topics, 10782 messages)
- ▶ **skyseex** (1 topic, 39 messages)

MQTT client on products

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Web Application

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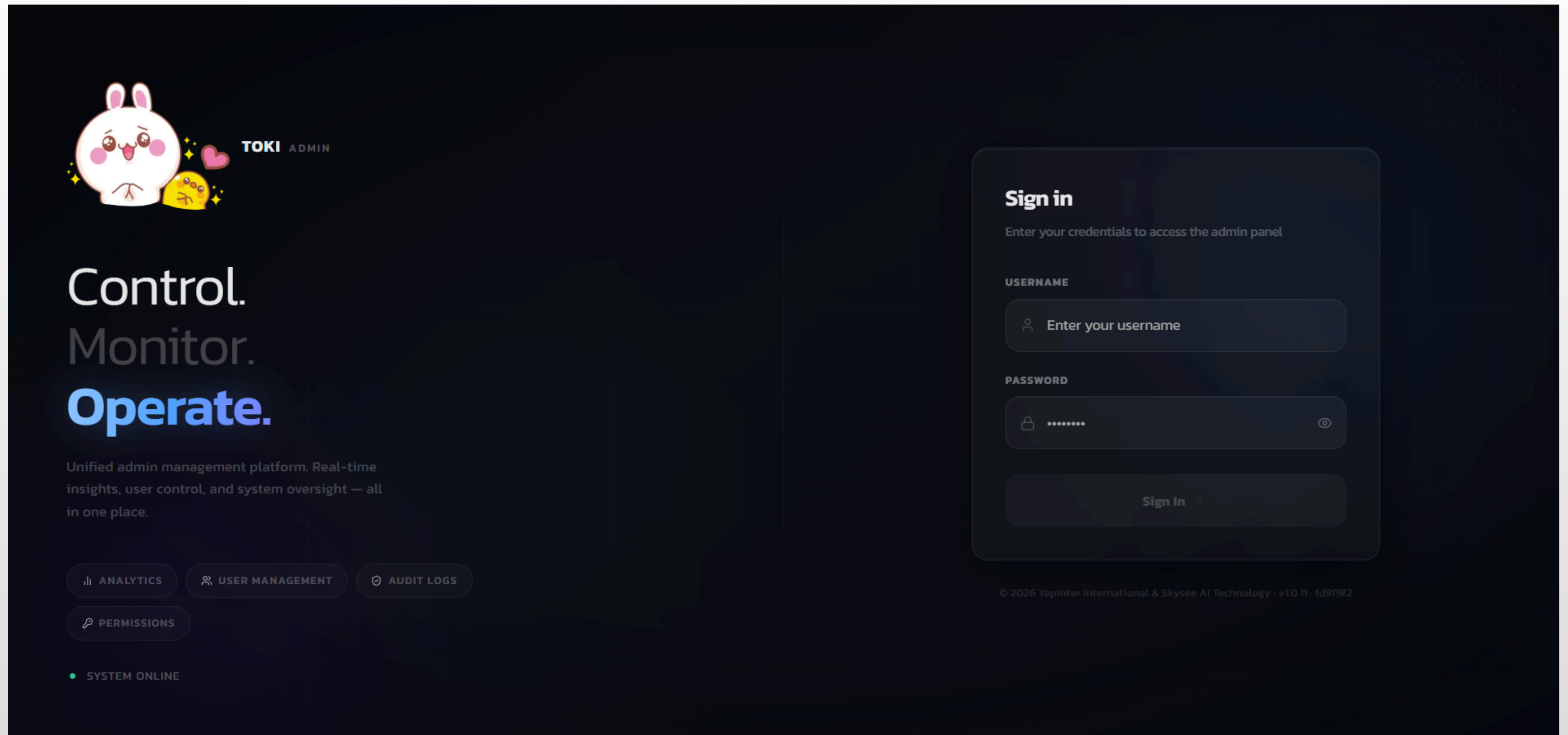


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Web application for Admin



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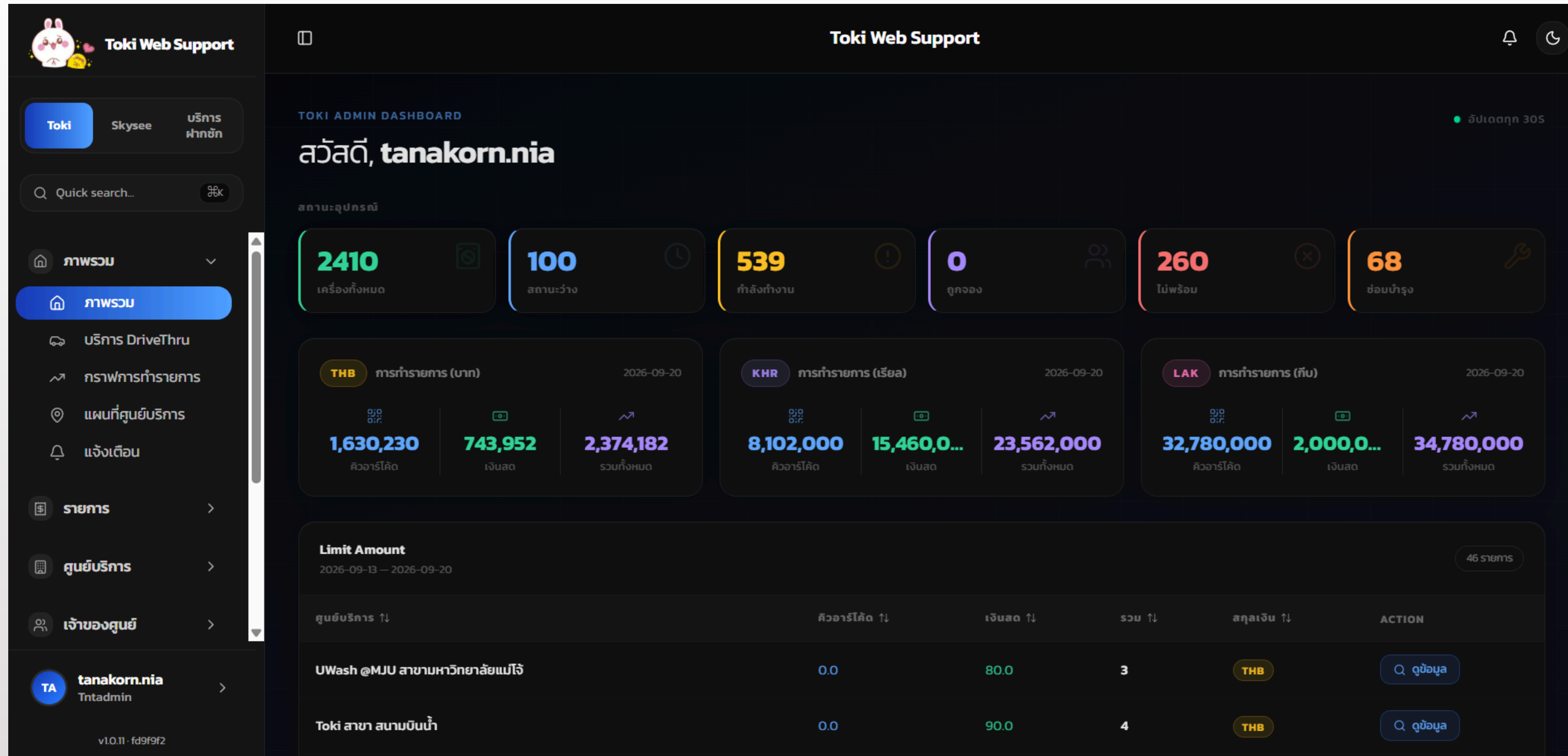


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Web application for Admin



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Web application for Admin

1	5953349	กำลังทำงาน	QrCode Payment	60	อบ 7	2026-09-20 13:31:19	-	เครื่องควบคุม
2	5953299	กำลังทำงาน	QrCode Payment	55	อบ 6	2026-09-20 13:28:16	-	เครื่องควบคุม
3	5953297	กำลังทำงาน	QrCode Payment	55	อบ 5	2026-09-20 13:27:57	-	เครื่องควบคุม
4	5953290	กำลังทำงาน	QrCode Payment	55	อบ 2	2026-09-20 13:27:37	-	เครื่องควบคุม
5	5953234	กำลังทำงาน	QrCode Payment	45	อบ 10	2026-09-20 13:22:37	-	เครื่องควบคุม
6	5953228	กำลังทำงาน	QrCode Payment	45	อบ 9	2026-09-20 13:22:22	-	เครื่องควบคุม
7	5953224	กำลังทำงาน	QrCode Payment	45	อบ 3	2026-09-20 13:22:05	-	เครื่องควบคุม
8	5953215	กำลังทำงาน	QrCode Payment	45	อบ 1	2026-09-20 13:21:40	-	เครื่องควบคุม
9	5953028	สำเร็จ	QrCode Payment	70	อบ 8	2026-09-20 13:08:10	2026-09-20 13:44:37	เครื่องควบคุม
10	5952602	สำเร็จ	QrCode Payment	55	อบ 2	2026-09-20 12:38:16	2026-09-20 13:14:37	เครื่องควบคุม
11	5952586	สำเร็จ	QrCode Payment	55	ซัก 1	2026-09-20 12:36:31	2026-09-20 13:09:13	เครื่องควบคุม
12	5952550	สำเร็จ	QrCode Payment	20	เครื่องจำหน่ายของน้ำยา	2026-09-20 12:33:41	2026-09-20 12:34:05	เครื่องควบคุม
13	5952477	สำเร็จ	QrCode Payment	55	ซัก 3	2026-09-20 12:29:39	2026-09-20 13:01:57	เครื่องควบคุม
14	5952473	สำเร็จ	QrCode Payment	55	ซัก 2	2026-09-20 12:29:22	2026-09-20 13:02:08	เครื่องควบคุม

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Mobile Application

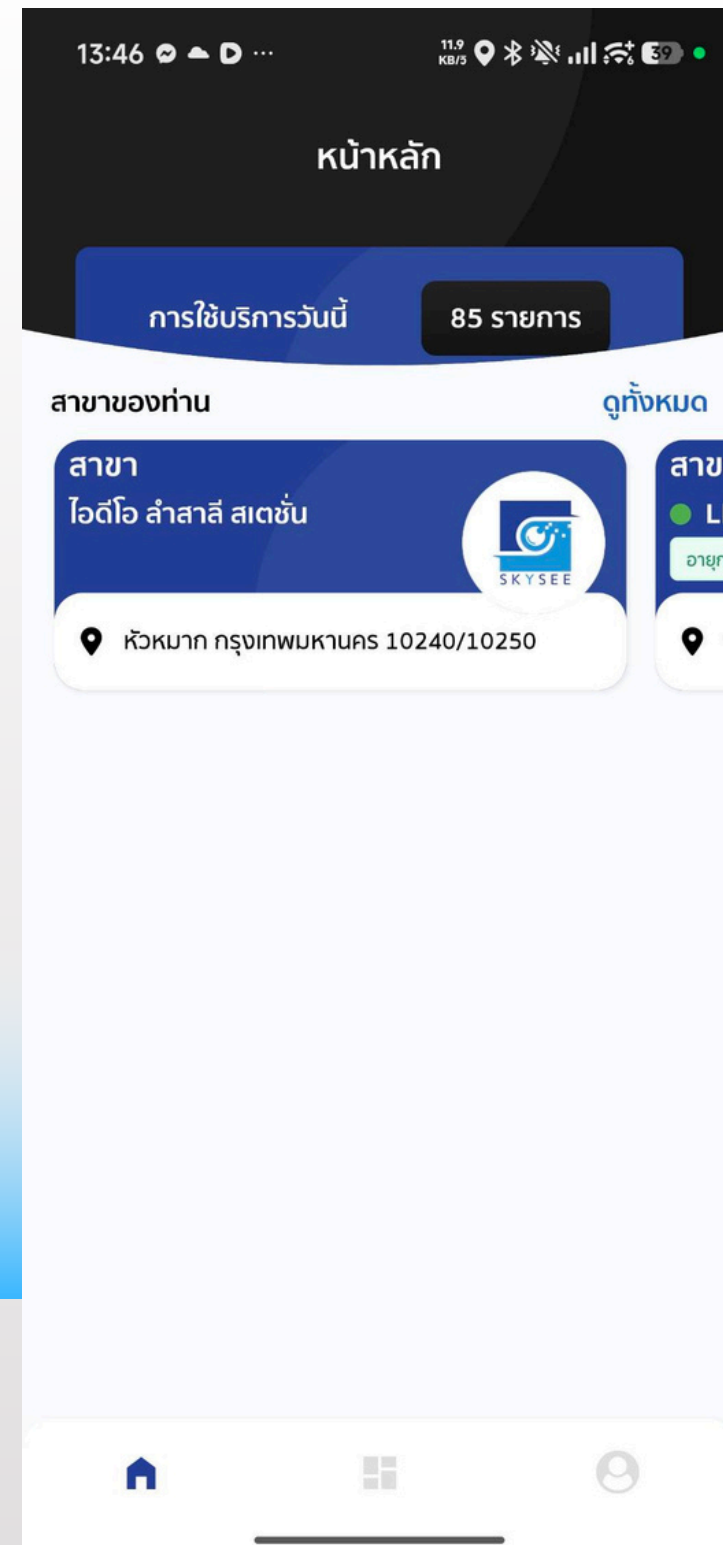
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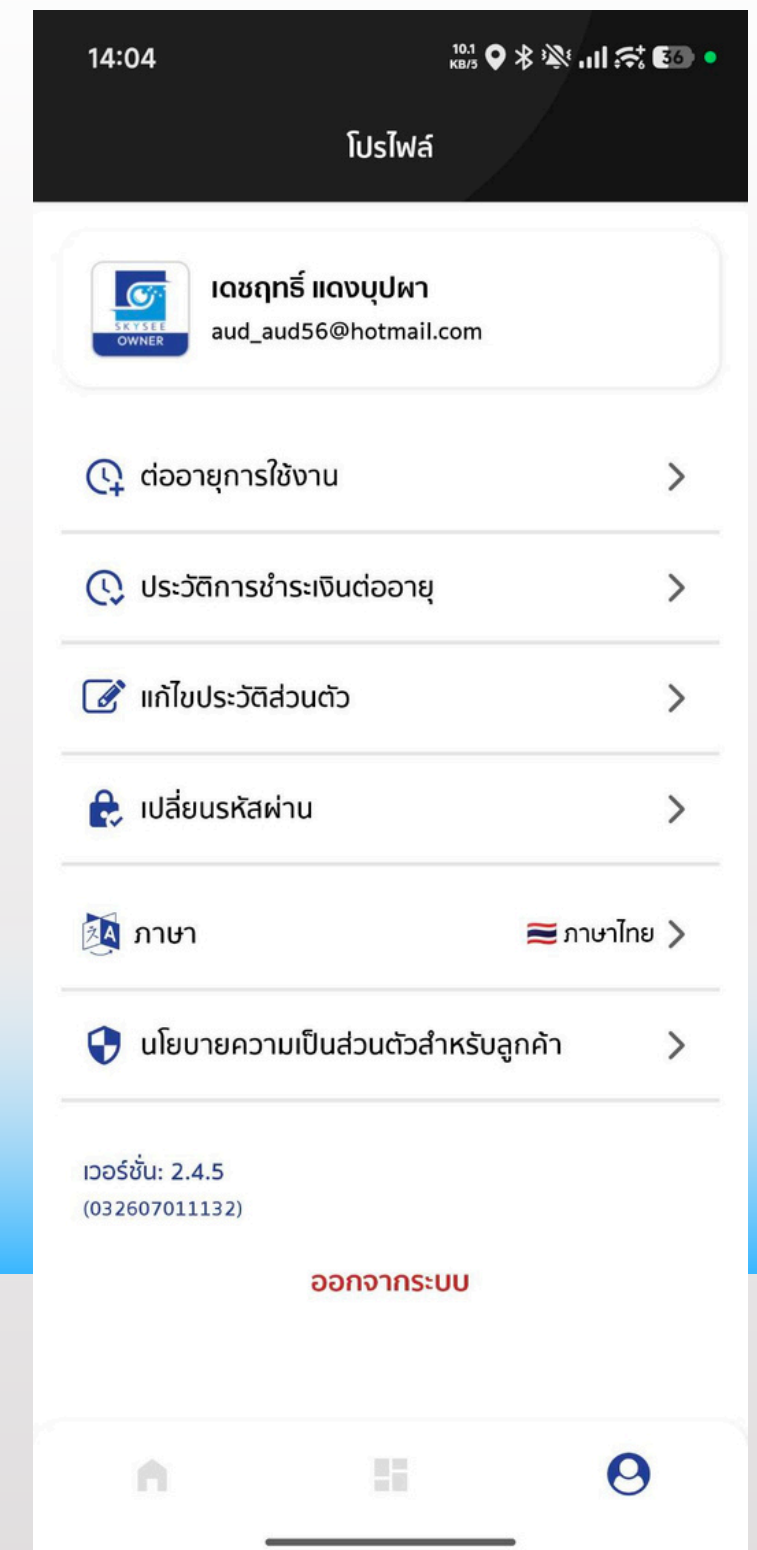
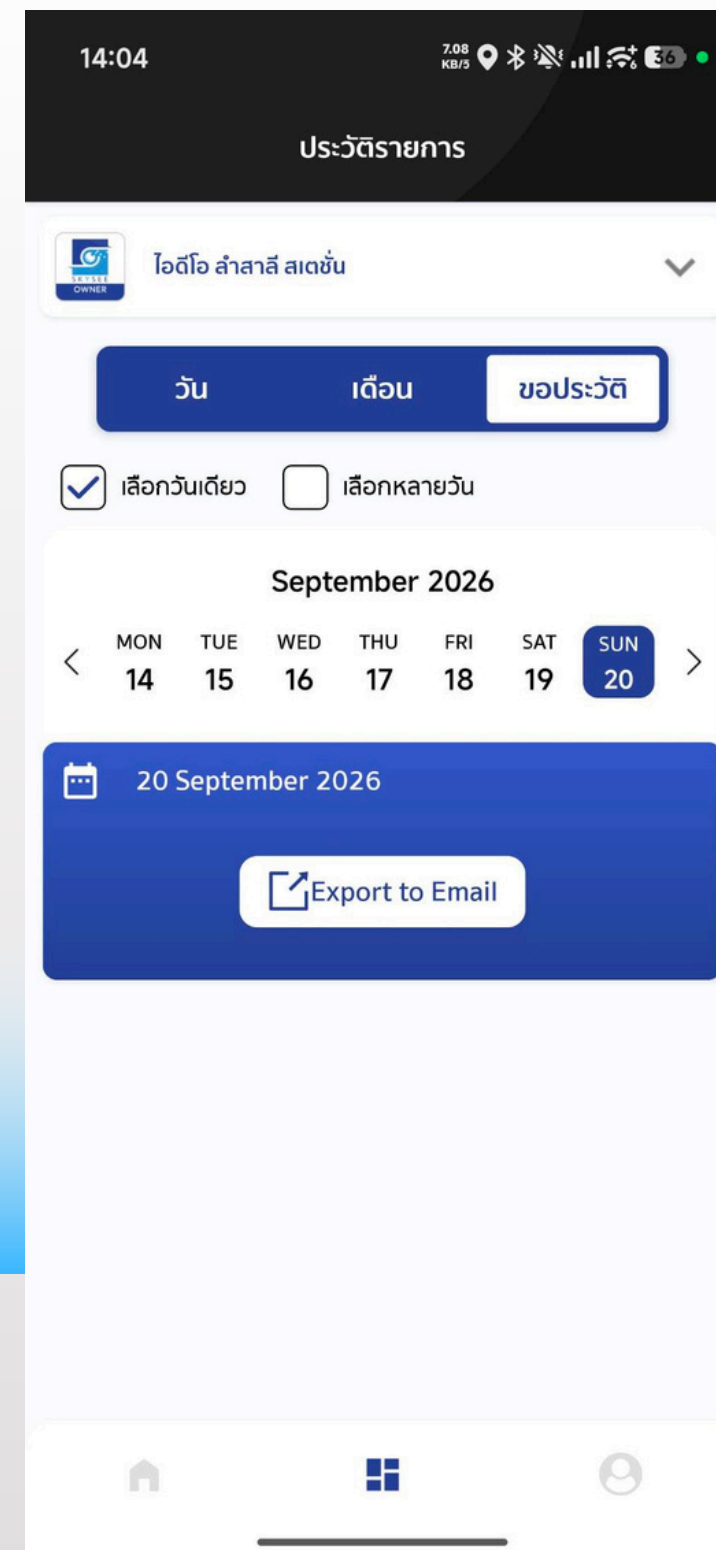
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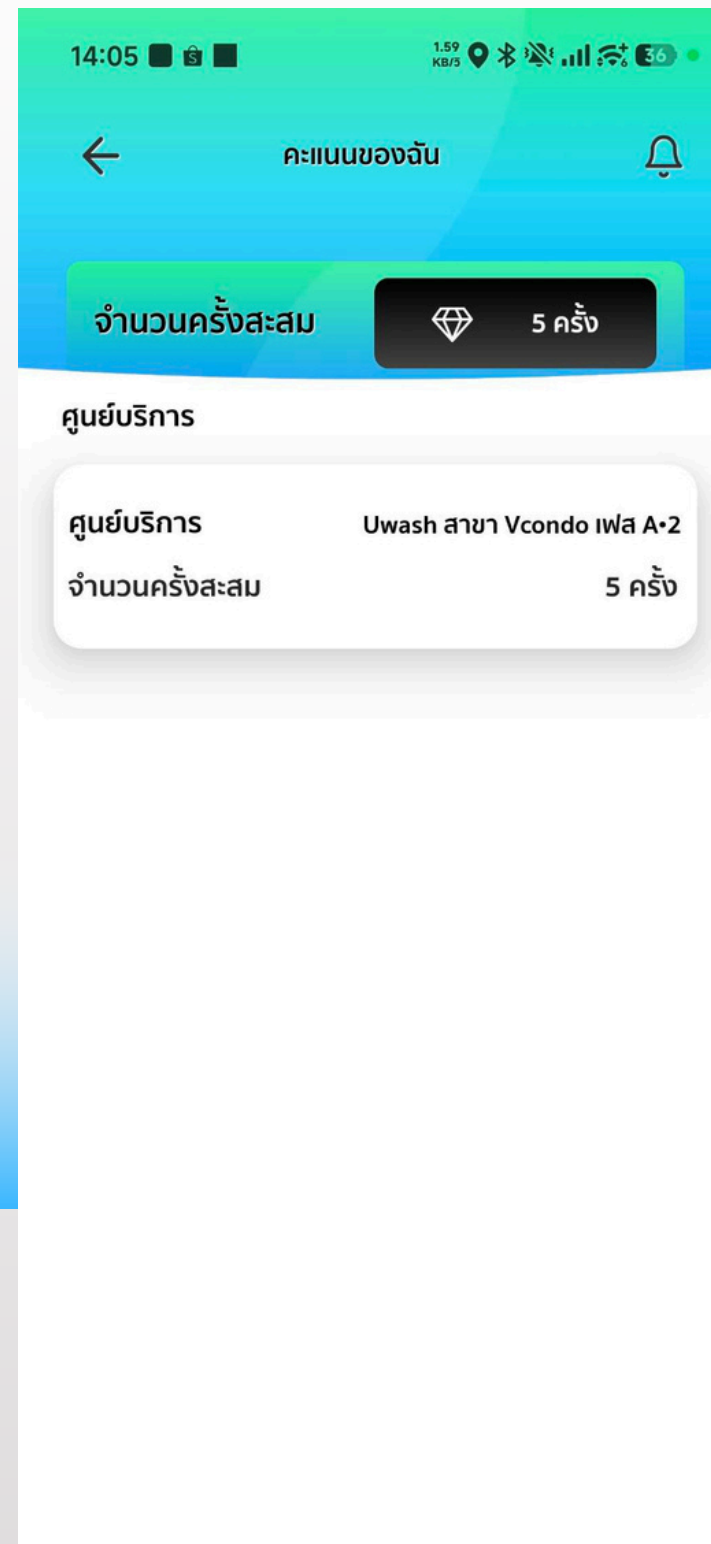
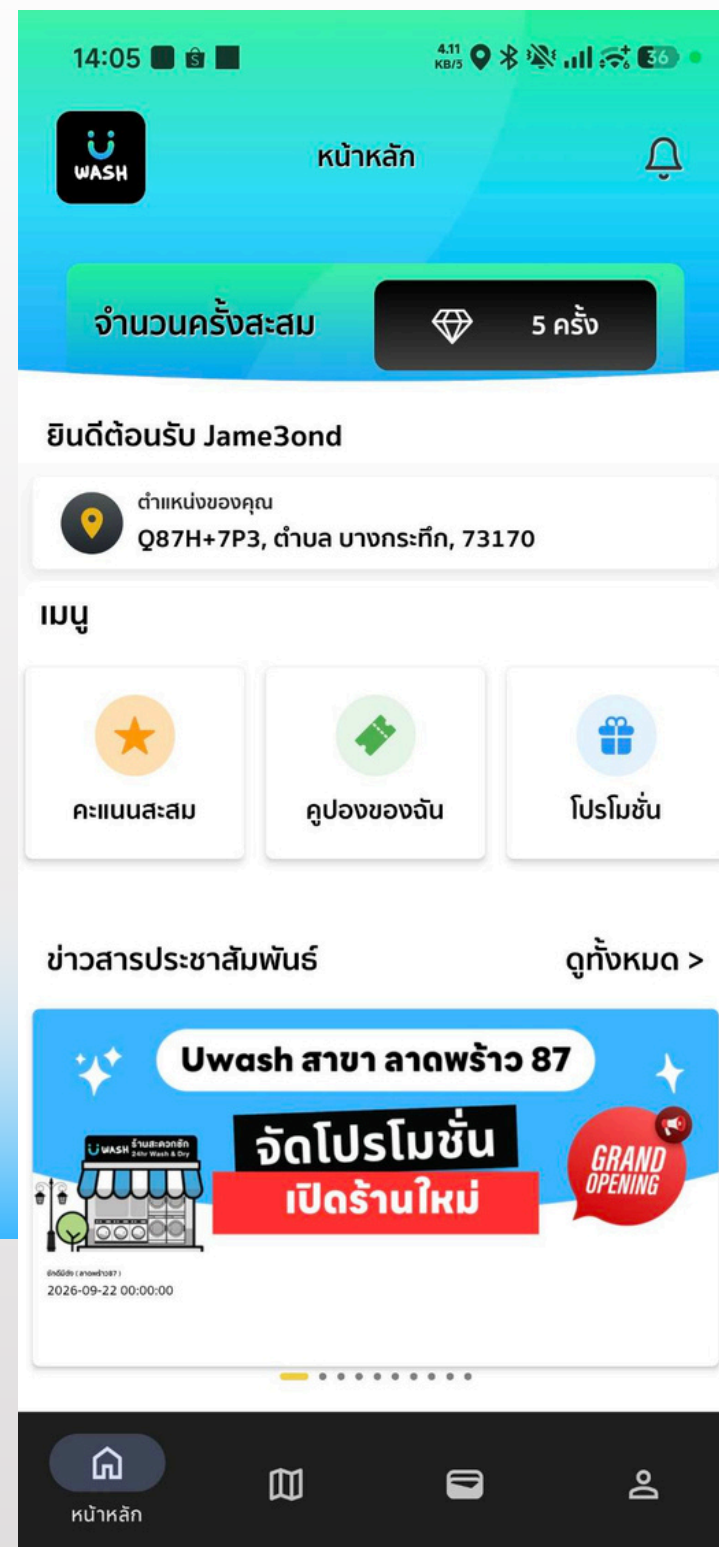
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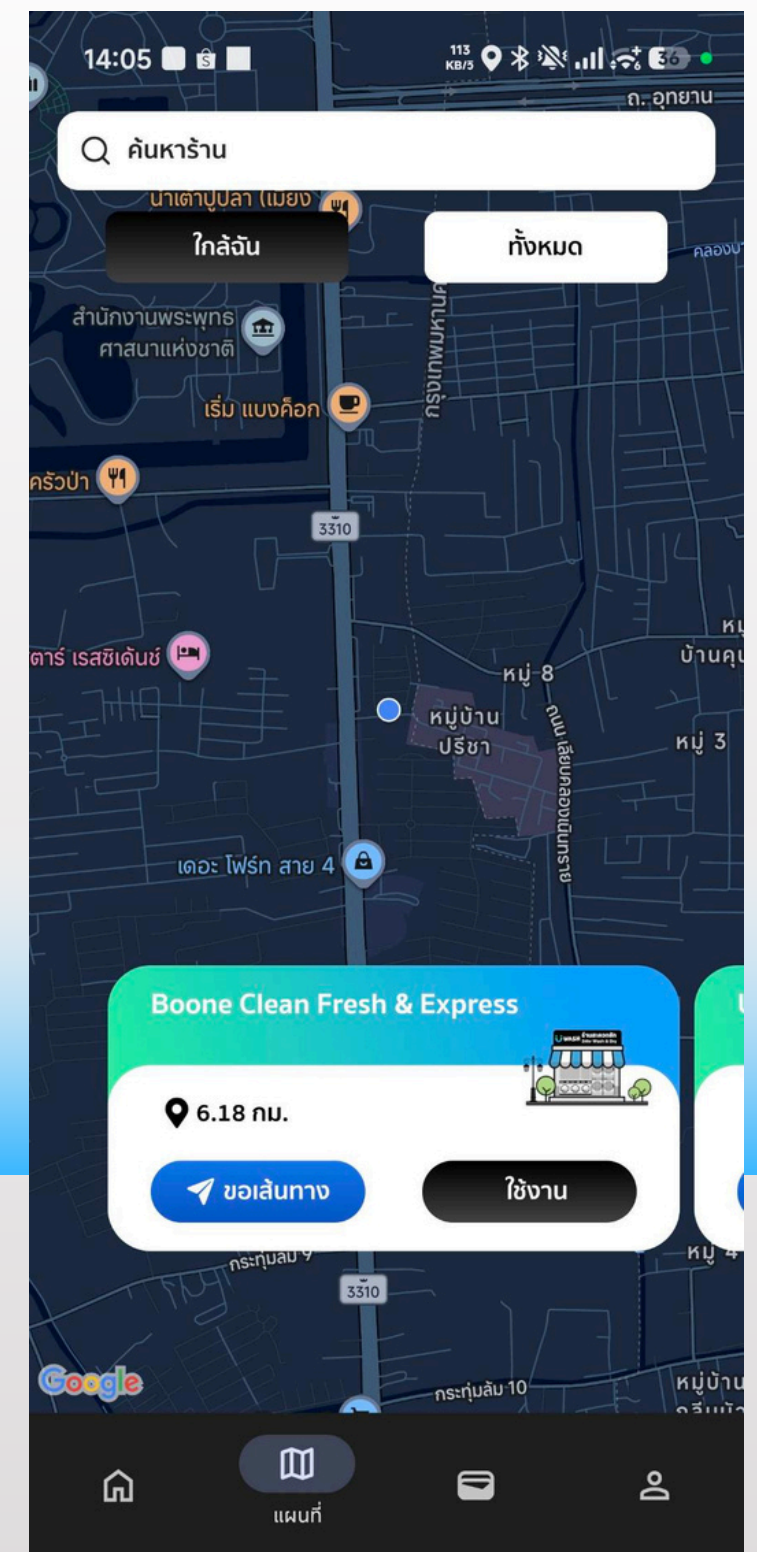
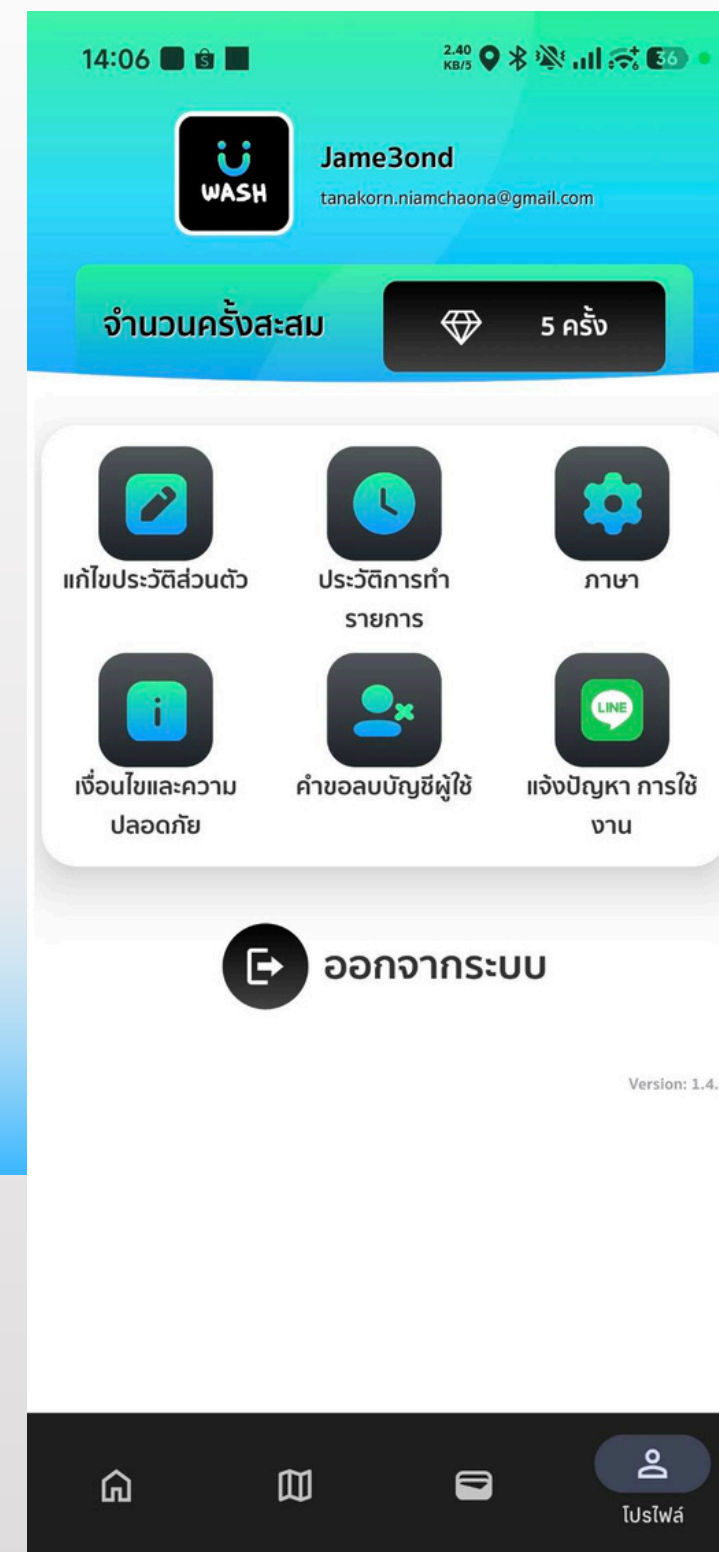
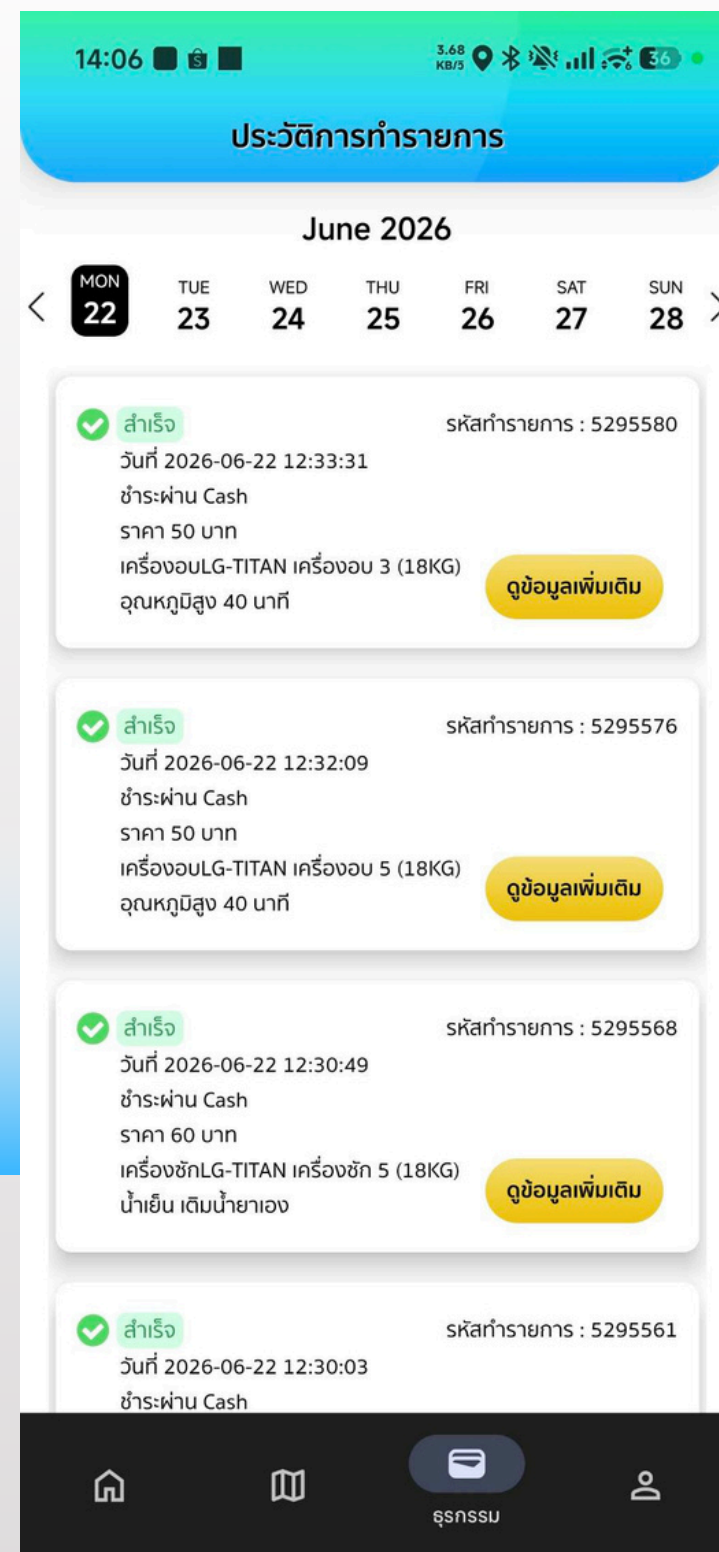
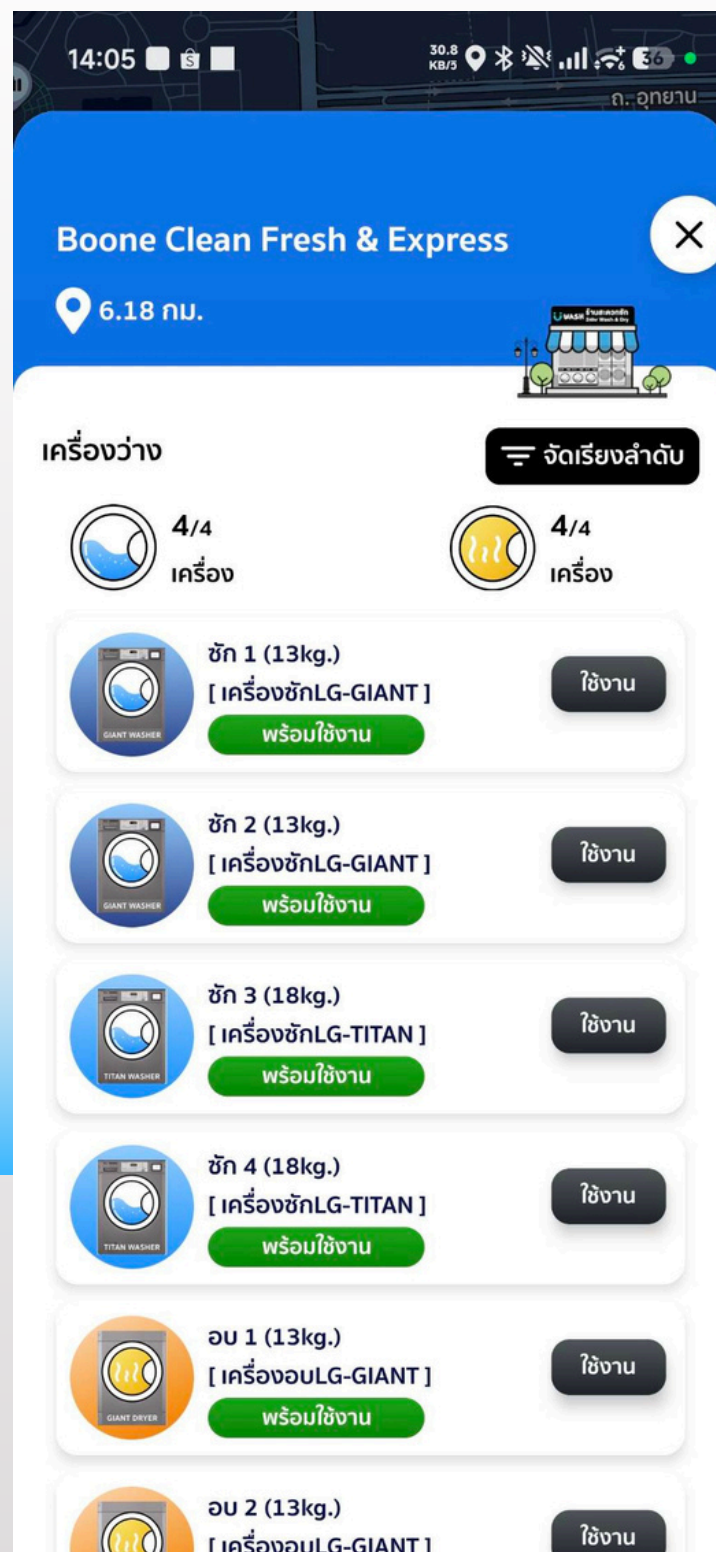
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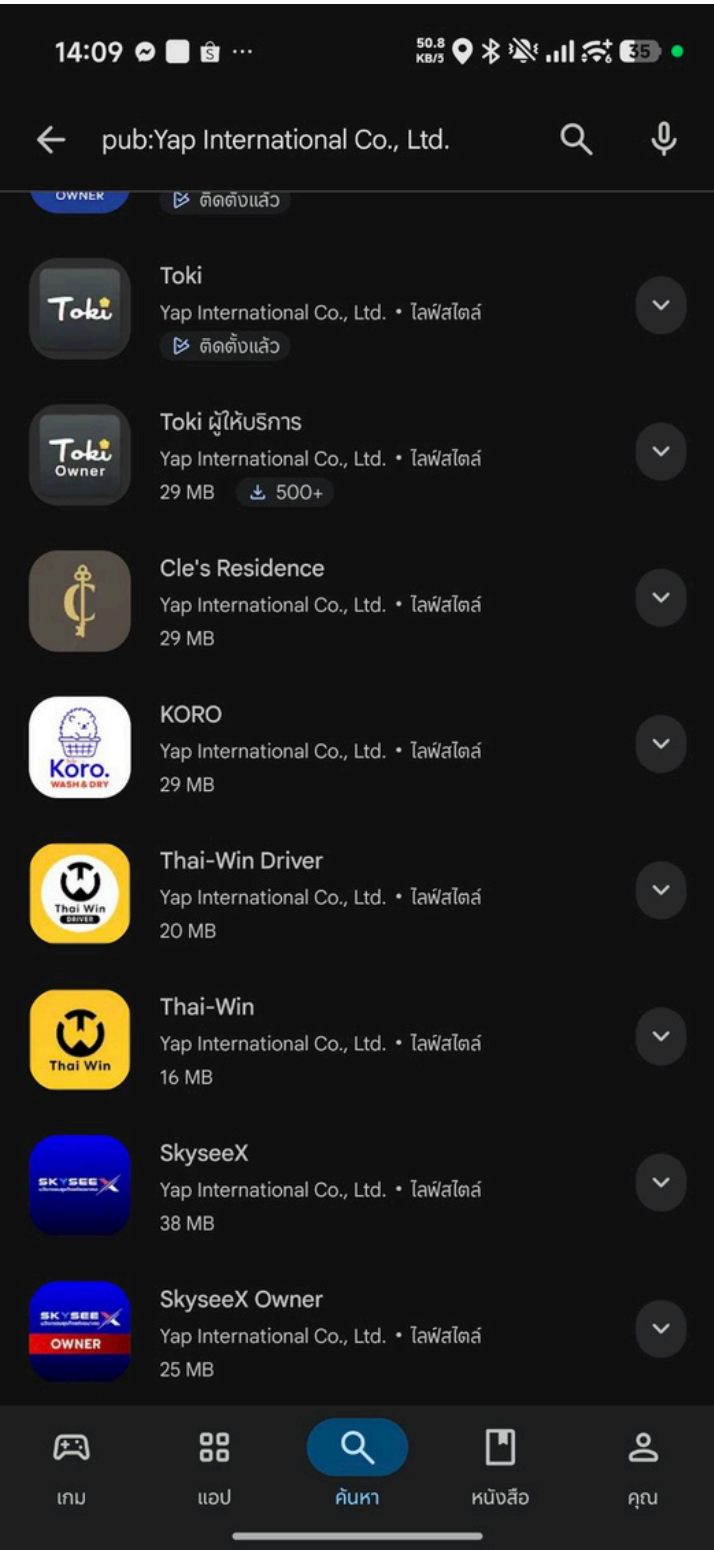
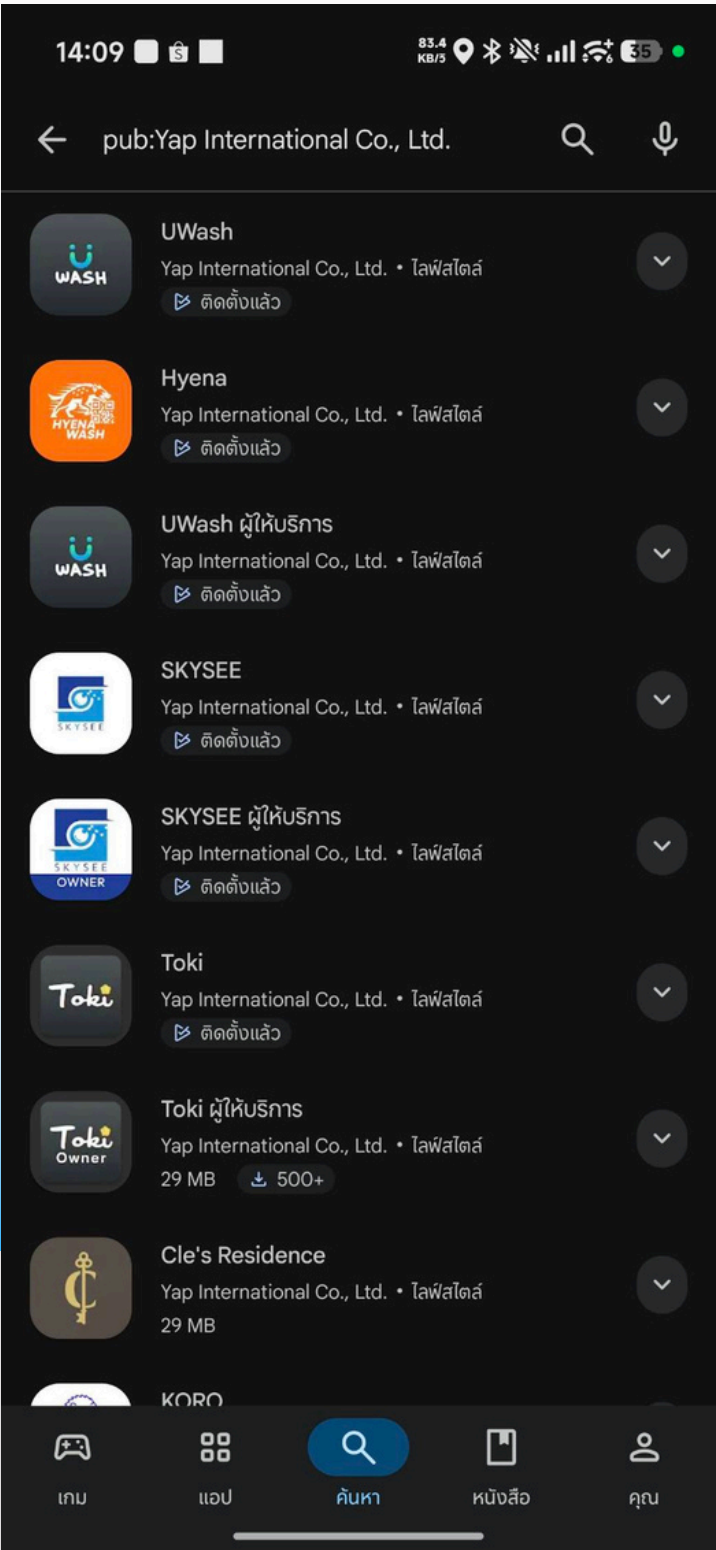


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Products involved in the development.



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