



Property Management Solution

By HKC

Hong Kong Communications Group Structure

HKC International Holdings Limited

Stock Code: HKSE 0248

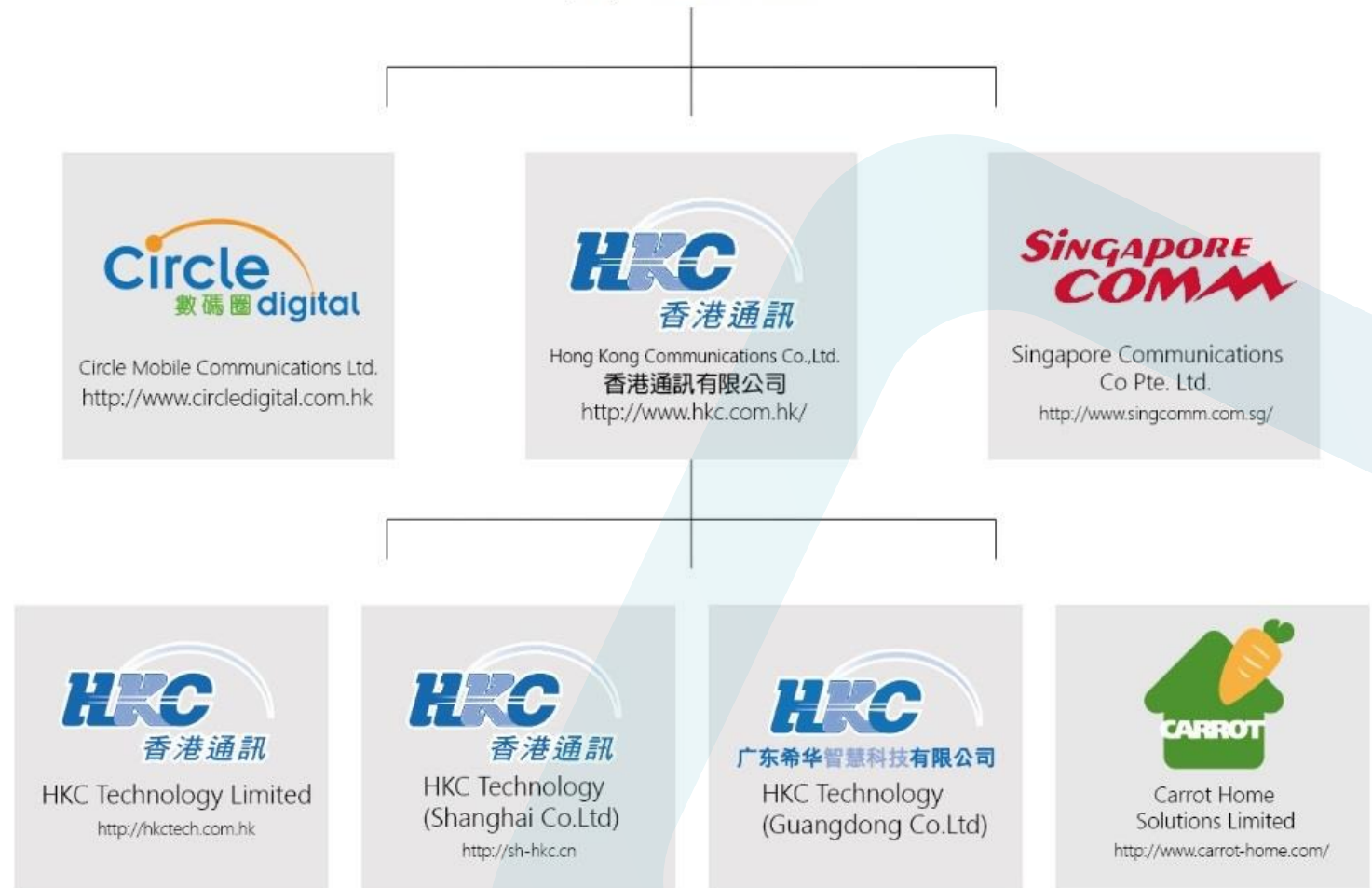
Information Communication Technology

(ICT)Solution Provider

HKC International Holdings Limited is a major Information Communication Technology (ICT) Solution Provider in Asian Pacific region. With headquarter in Hong Kong, HKC group also owns oversea branches in Mainland China and Singapore. The Group was successfully listed in The Stock Exchange of Hong Kong Limited in 2001 named as HKC international Holdings Limited (Stock Code: 248).

The Group will endeavor to deliver its expertise in providing professional ICT solutions to its customers ranging from Intelligent Building- Home Automation Solution, Prop Tech Solution, UVC Disinfection Solution, RFID Solutions and Business Solutions.

In addition, the Group is committed to reinforce its core competency in research and development on the award-winning IP telephony and home automation system and strives for excellence.



Smart Building Solutions

Smart Display System

Integrated Control System

Home Energy Consumption Information System

Water Consumption Information System

Smart Visitor Panel

Waste Management Information System

Smart Visitor Registration System

Home Health and Wellness Information System

Smart Clubhouse Management System

Building Management System

Smart Key Mobile App

[Video demo: https://youtu.be/alb335x3tWc](https://youtu.be/alb335x3tWc)



Smart Home Mirror

HKC Smart Home Mirror implements health monitoring devices with an interactive touch screen panel with pre-loaded suite of applications for residential home. Smart Home Mirror can control kitchen electronic devices such as lighting, audio visual, air conditioning by one touch on smart mirror, control smart locks for opening or locking kitchen cabinets, view daily information such as time, date, temperature and RSS news.

Available in 21.5"/ 43"/ 55".



QR Code Access with Card Reader

- QR code door lock

https://drive.google.com/file/d/1pGGMigmTQJ5xCO3rwFF7tOKXNgjh5_je/view?usp=sharing

- Video door phone with card reader & QR code



Smart Building Project Reference

- URA e-Residence, 500units
- 63 Pokfulam, 350units
- Double Cove/ Lok Wo Sha, 1961units
- One Homantin, 561units
- Oasis Kai Tak, 651units
- Alto Residences, 608units
- The Summa, 170units
- One Mayfair, 120units
- The Vertex



Smart Lock

To enable maximum expressiveness by the interior designers, the **smart lock** is designed to work with **third-party handles**, as well as **standard key cylinders and cylinder covers**.

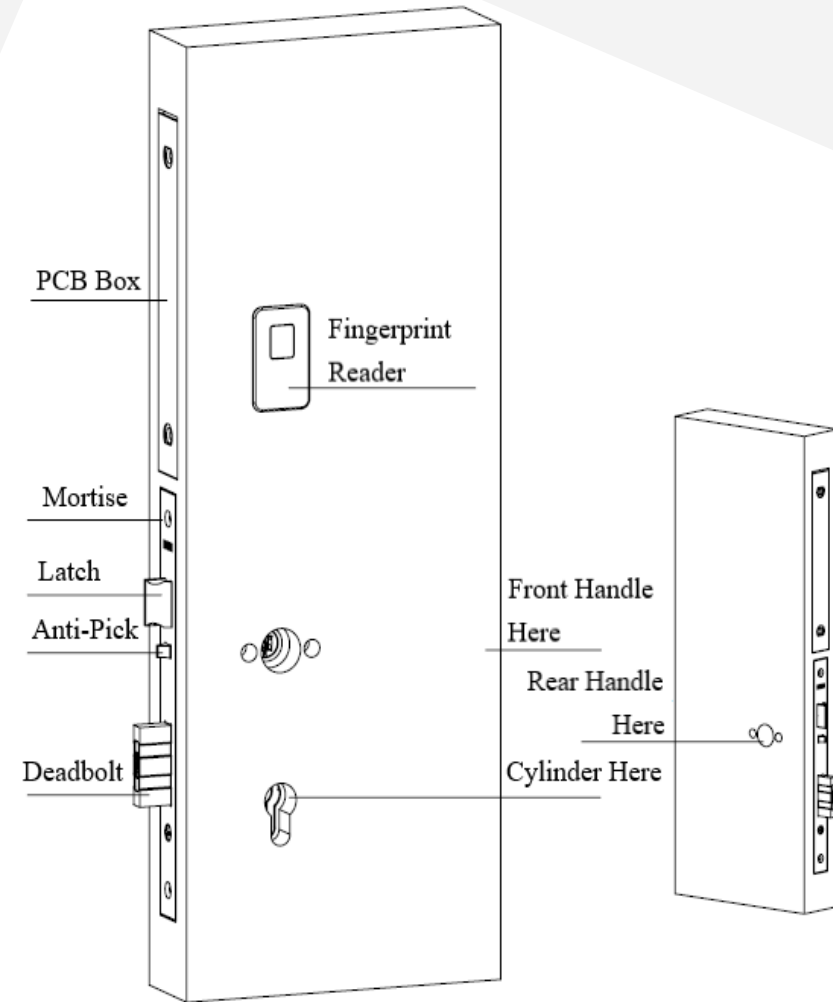
Work with Euro profile mortise.

So the designers are free to choose the accessories they desire for each project.

To provide a **minimalist** look and feel, the electronic and power unit is designed to be **embedded** inside the door leaf via a side opening cut into the door leaf itself

The Smart Lock is a **standalone, battery-powered, intelligent** electronic lock system. The lock system consists of a **fingerprint** reader, an **electronic and power unit** that incorporates **Bluetooth** low-energy transmitter and on/off switch, door ajar alert, an **electronic mortise** and other mounting accessories.

To prevent tempering, it features **anti-pick** mechanism and can become a **mechanical lock** opened only with key when its power is **switched off**.



Smart Lock - Unlocking Methods

- **Fingerprint**

- **RF cards**

(sold separately)

- **Mobile App**

via Bluetooth transmission technology. Once authenticated by any of these electronic means, the electronic and power unit then send an “unlock” command to the electronic mortise which releases the latch and deadbolt of the lock electromechanically.

- **Mechanical keys**

The mortise can be unlocked by **keys**.

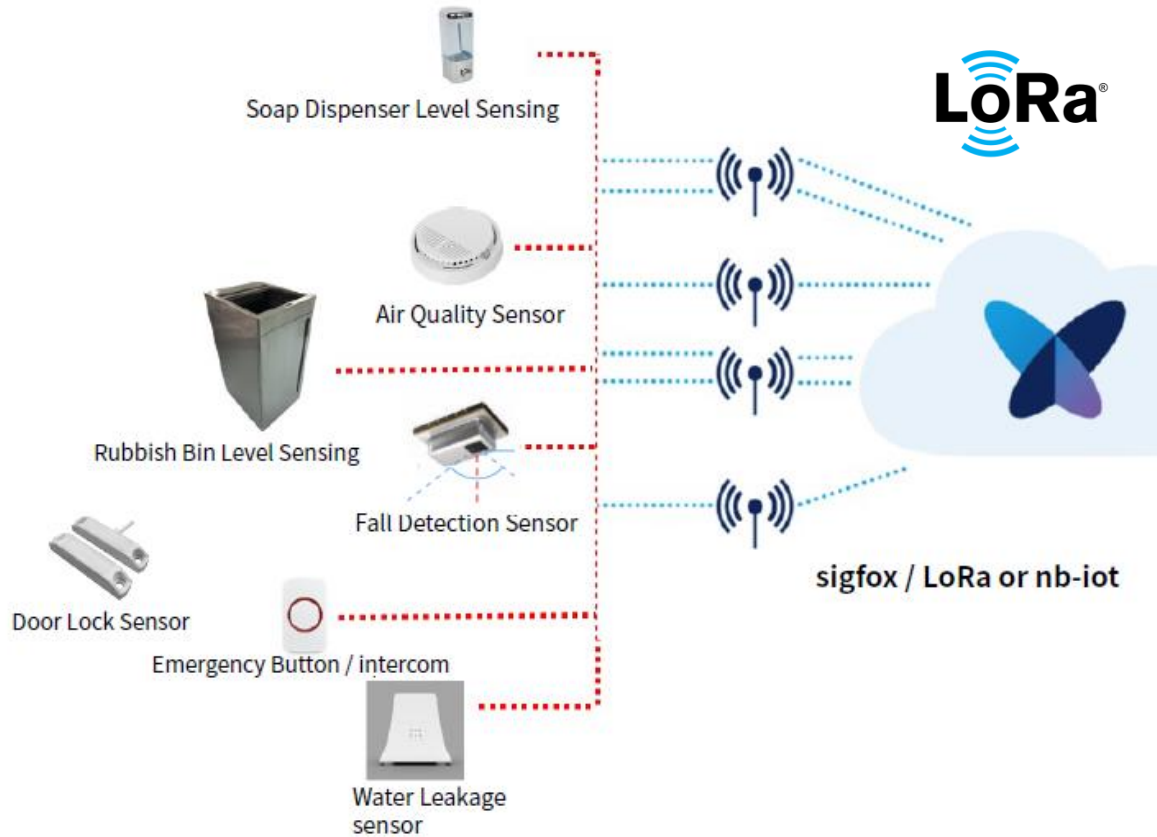
The key to the success of this design is to provide **choice** to the end users.



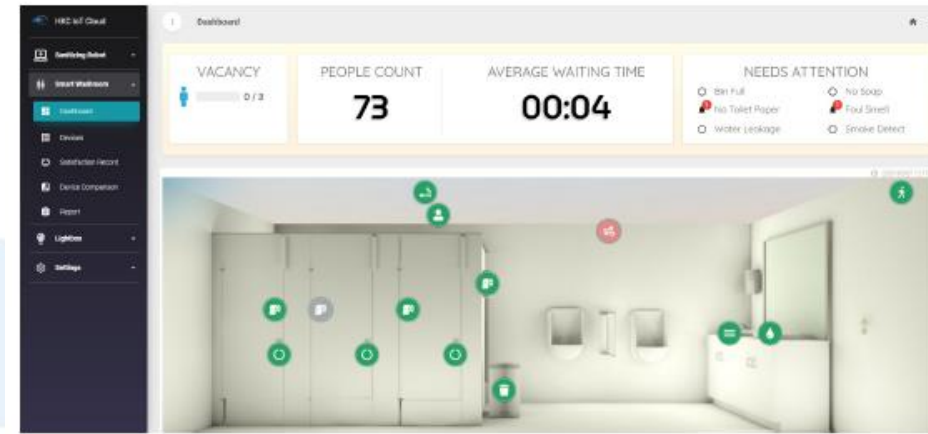
Smart Washroom Solutions



System Architecture diagram

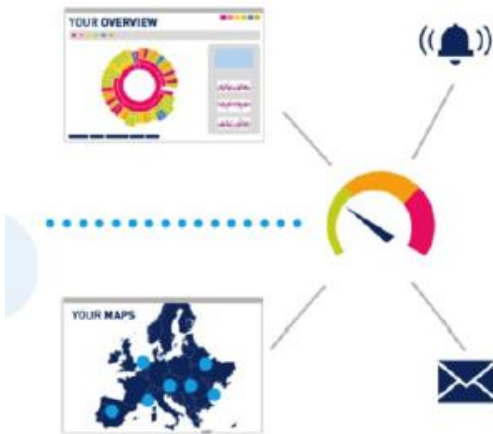


Main Dashboard



- HOME :
- Vacancy
 - People Count
 - Average Waiting Time
 - Needs Attention Alert
 - Site Map

- Alert Count :
1. Bin
 2. Soap
 3. Tissue
 4. AQ Sensor
 5. Water Leakage
 6. Smoke Sensor
 7. Door Lock
 8. Human Motion Detection
 9. People Count



Video demo: <https://youtu.be/alb335x3tWc>



UVC Disinfection Solutions

Omicron has spread widely to the community, we would like to offer our help with UVC disinfection solution for our property partners. It disinfects >99% virus and bacteria on high touches surface from airborne in a short time.

1. UVC Disinfection Machine (YY) – Disinfects >99% Covid-19 virus in 300 square feet in 15mins

Demo video: <https://youtu.be/mp-oILCj4il>

2. UVC Automatic Robot (DarkKnight) – Automatically disinfects >99% Covid-19 virus with preset schedule and routine.

Demo video: <https://www.youtube.com/watch?v=Xepvt5G-A5c>

3. Far UVC 222nm Disinfection Tunnel – safe for human eyes and skin.

Disinfects >99% Covid-19 virus on the surfaces of item passing through the conveyor belt in 2 seconds

Demo video: https://youtu.be/KV7_877j464

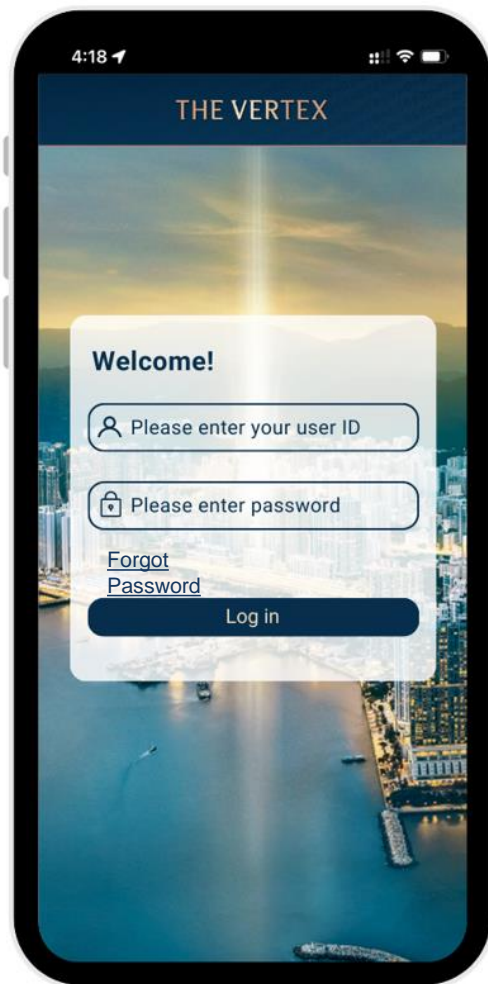
4. Far UVC 222nm with motion sensor (applicable for lifts)

Disinfects >99% Covid-19 virus in 30 seconds.



Resident Access Control

- Resident retrieve registered QR Code to open door/lift



Resident Login



Click to retrieve registered QR code

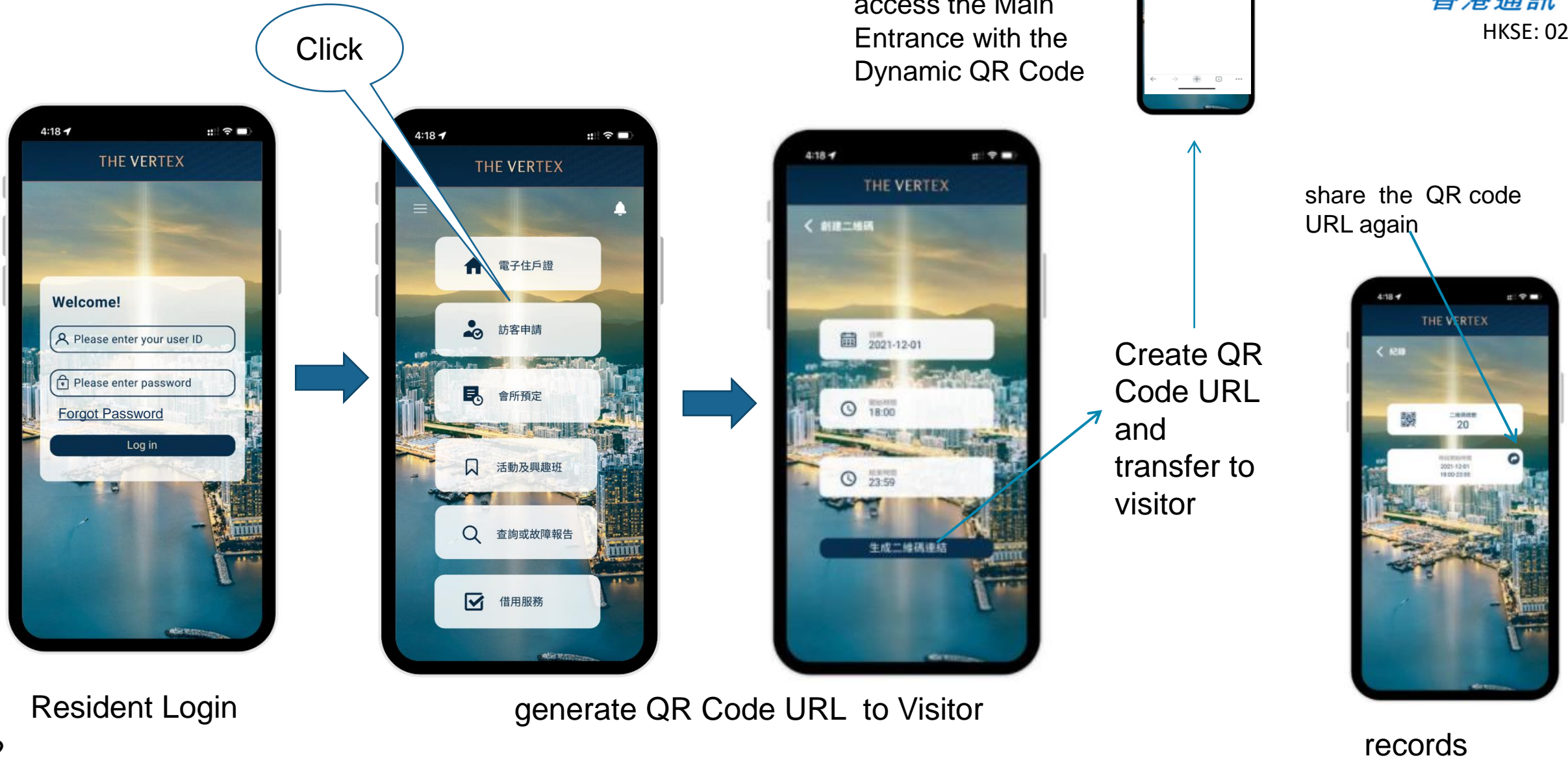


Display QR Code for access control

Visitor Management

Resident generate Dynamic QR Code to visitor

Visitor click to access the Main Entrance with the Dynamic QR Code



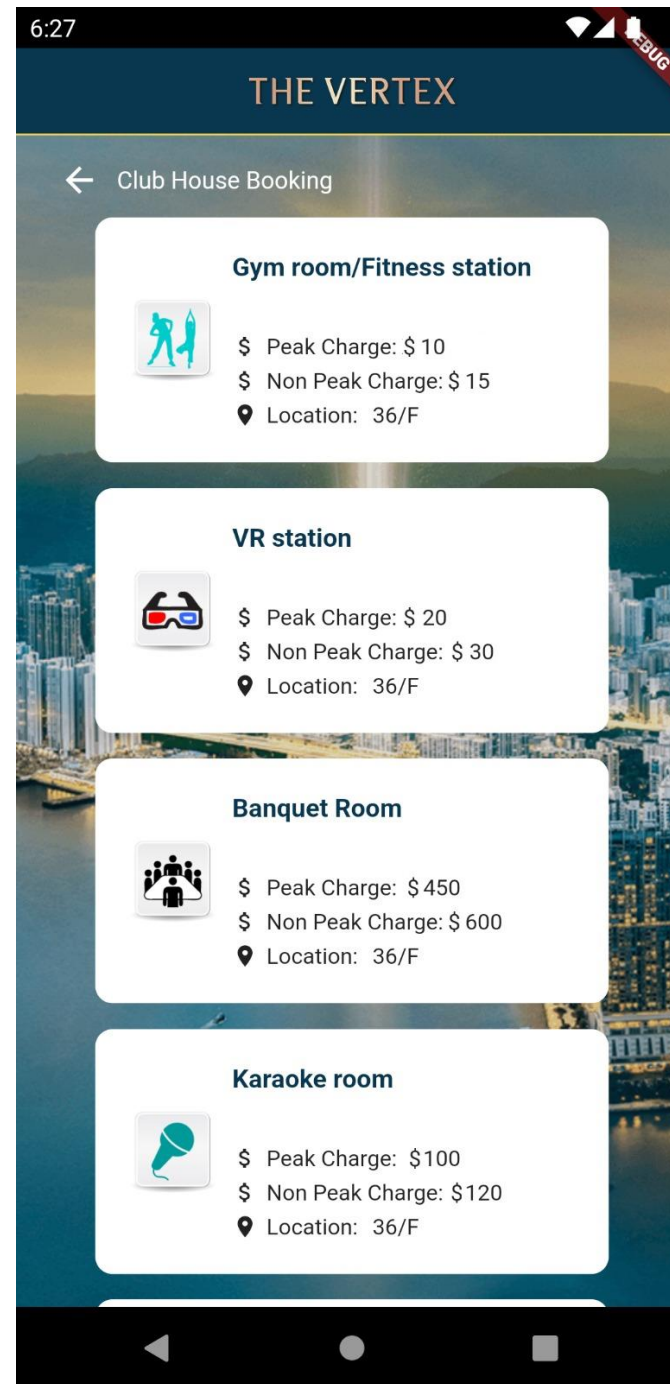
Club House Facilities Booking

Need booking – 36/F

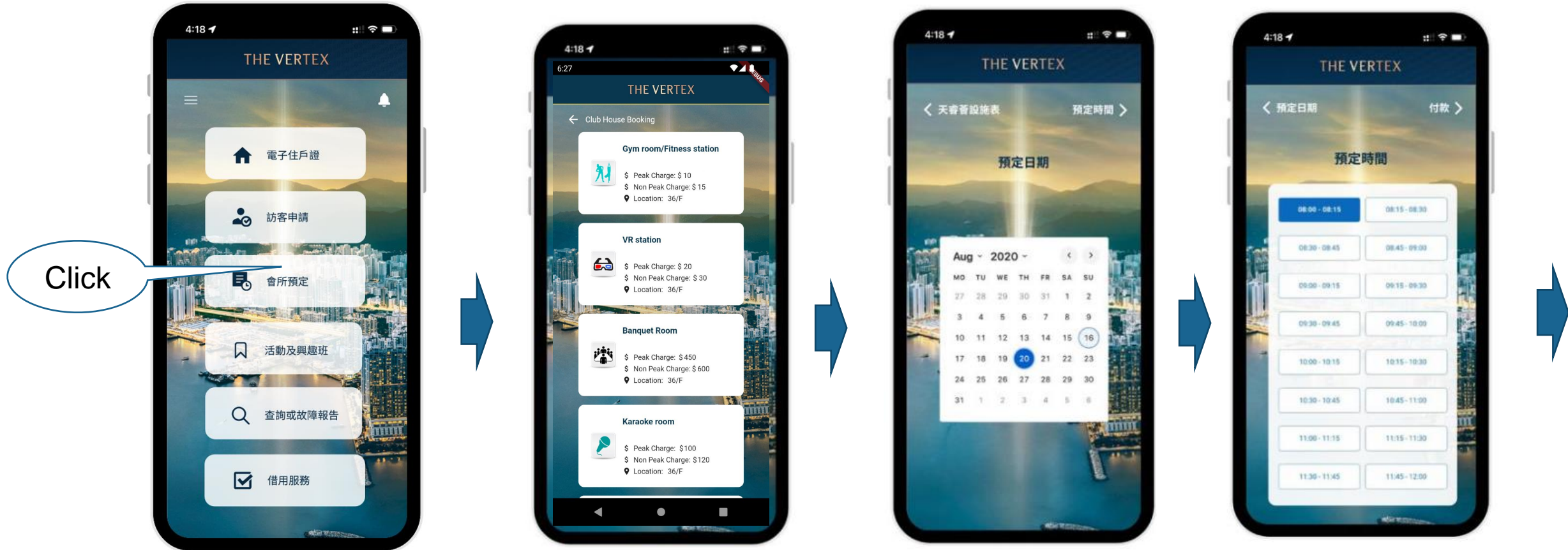
1. Banquet room,
2. Karaoke room,
3. Gym room/Fitness station,
4. VR station,
5. BBQ

Booking Screen 1

Support icons/photos customization per customer's request



Club House Facilities Booking



Select booking function

Select facility

Select Date

Select Time Period

Payment



Confirm booking information

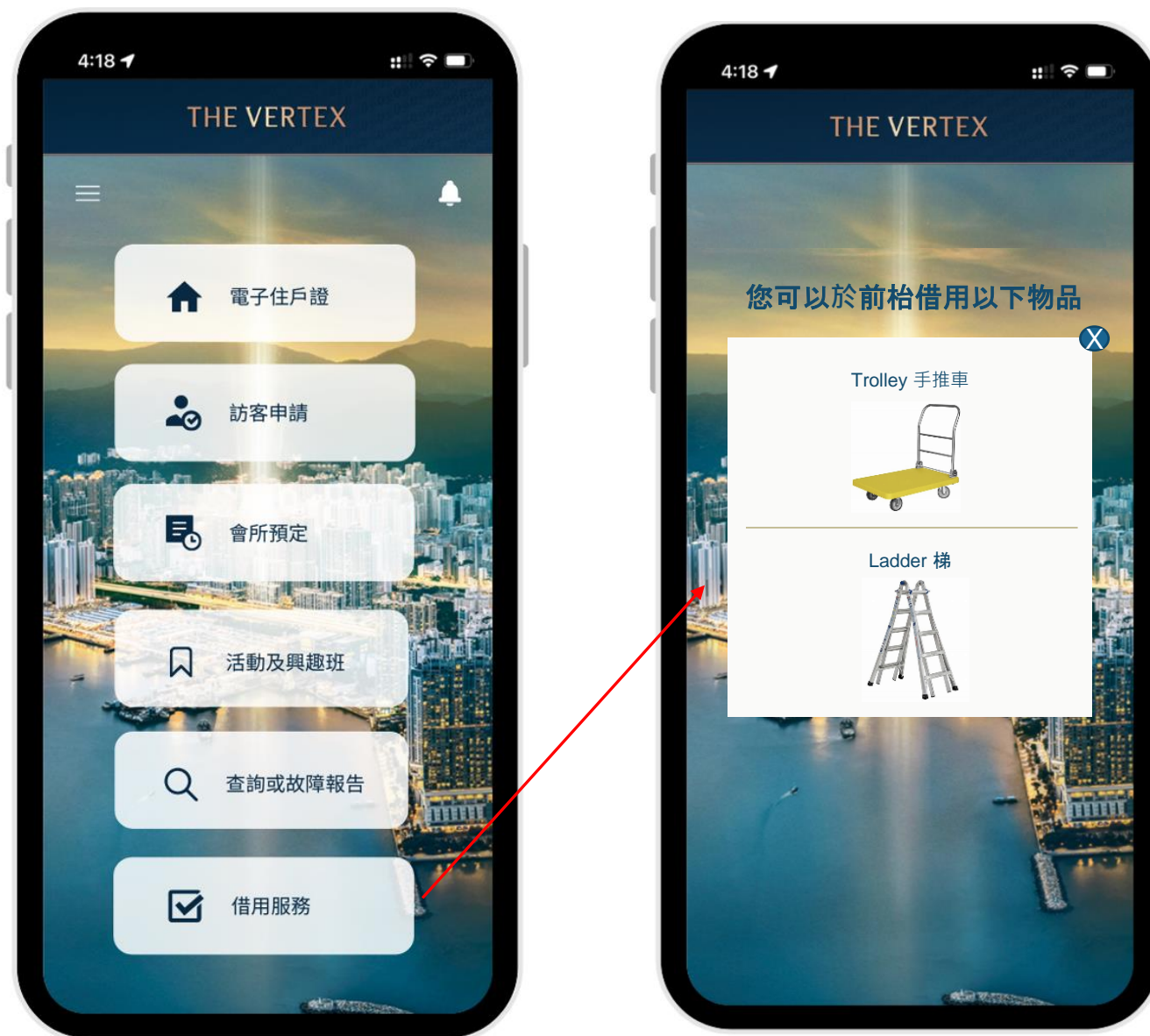
Payment Gateway UI to be provided per requested

Select and confirm payment



Booking confirmation

Lending Service Flow for Resident



Smart Kiosk

- Replace existing door phone
- Assess control (QR code, card reader)
- Lift call
- Visitor management
- Resident App
- Clubhouse booking system
- Video demo: <https://youtu.be/sZvj7Rd6BSc>

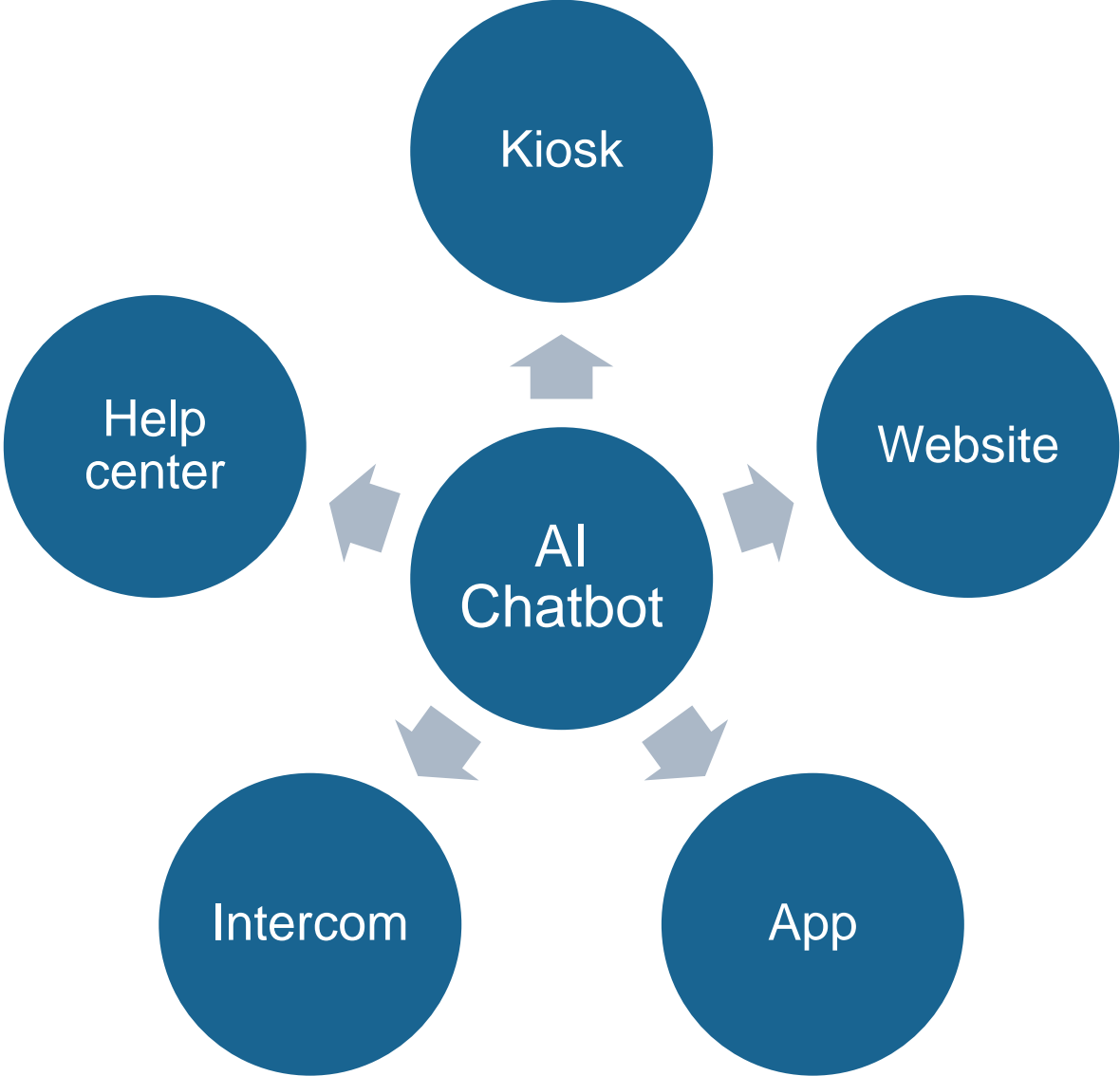


AI Chatbot - Technology

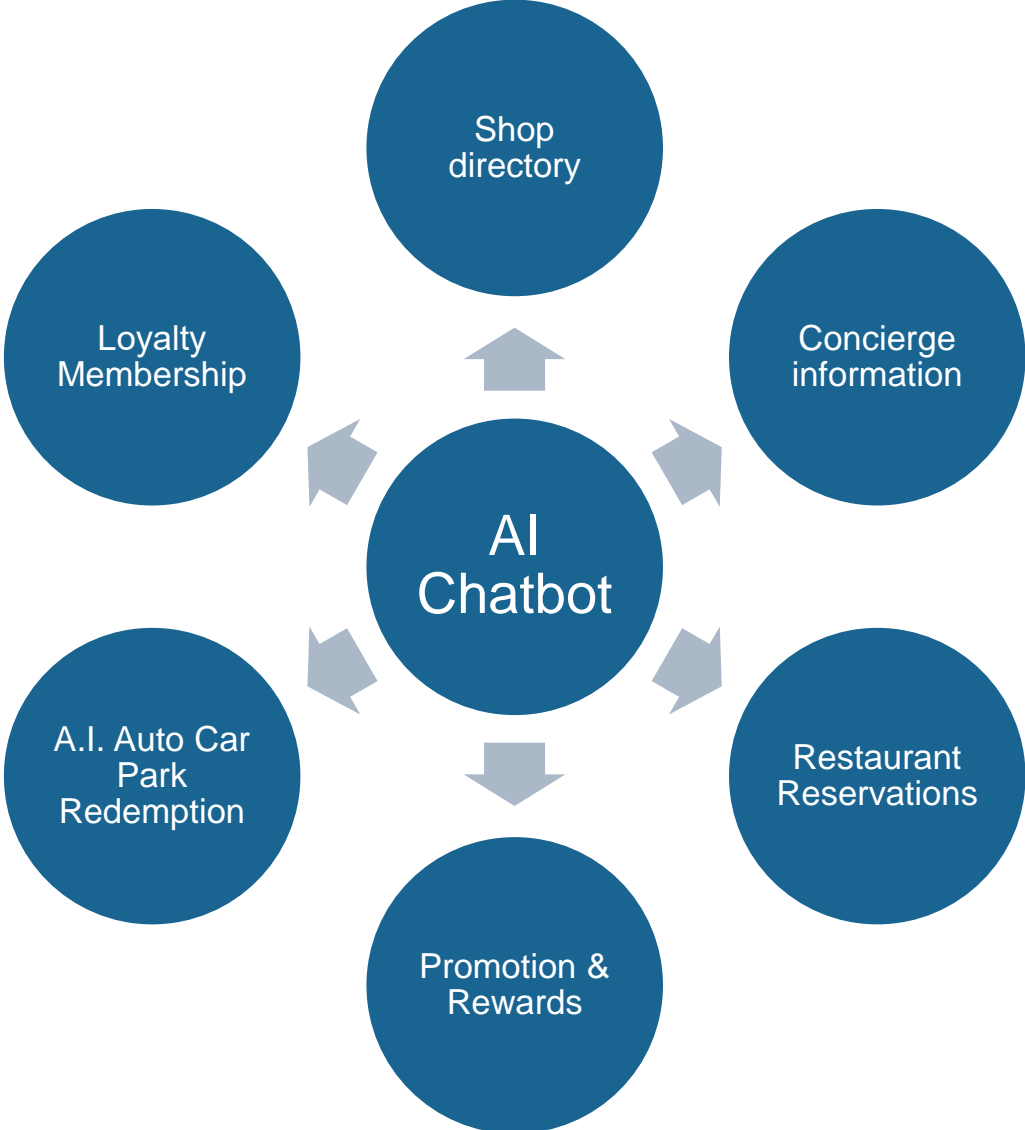
- Speech-to-Text (STT) auto-detects audio languages and recognizes language switches within the same sentence.
- Text-to-Speech (TTS) text into speech to produce artificial human voice.
- With the Machine Learning algorithm, our Natural Language Processing (NLP) technology can understand and analyze Cantonese, English, Mandarin and mixed languages.
- Intents customization
- Answers can be messages, photo, sound clips, video and files
- Automatic answering your clients 24 hour a day by using their favorite channel
- Interactive voice response system
- Respond to almost 100 different intents with an accuracy of 90%.



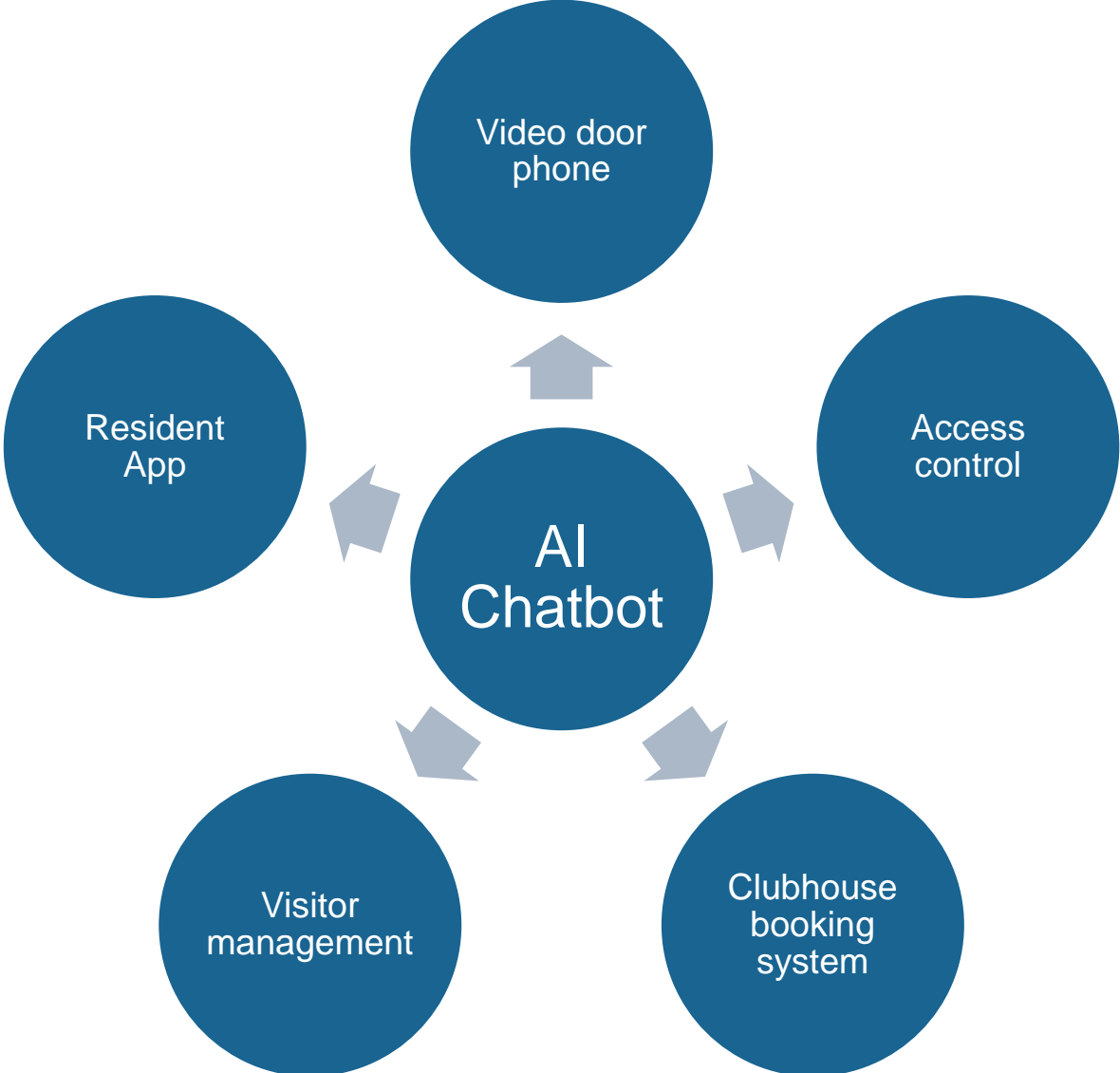
Cross Platform



Use Case – Commercial Building



Use Case – Residential Building



AI Chatbot - Benefits



Premier service

Provide 24 x 7 customer support



Data Mining

User data can be accumulated day by day



Fast Response

Customers do not like waiting our chatbot can respond immediately



Cost saving

Saving huge amount on customer serving



Humanize

Well trained A.I humanized responses



Time saving

Save your time to build a team for customer services



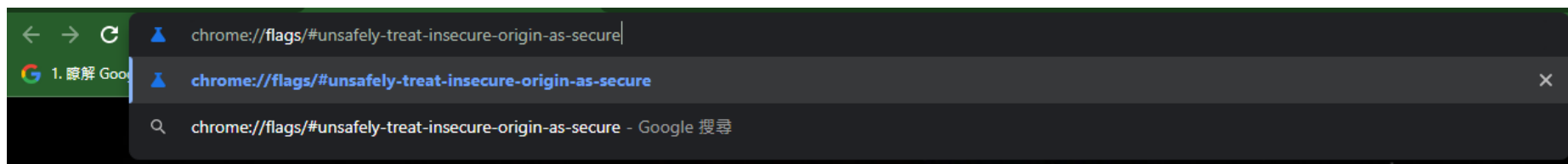
AI Chatbot - Outcome

- Increase service quality with immediate assistance
- Saving huge amount of labor efforts
- Reduce face to face interaction
- Accessible for the visually impaired users
- Improve brand image with innovative technology
- Data logging



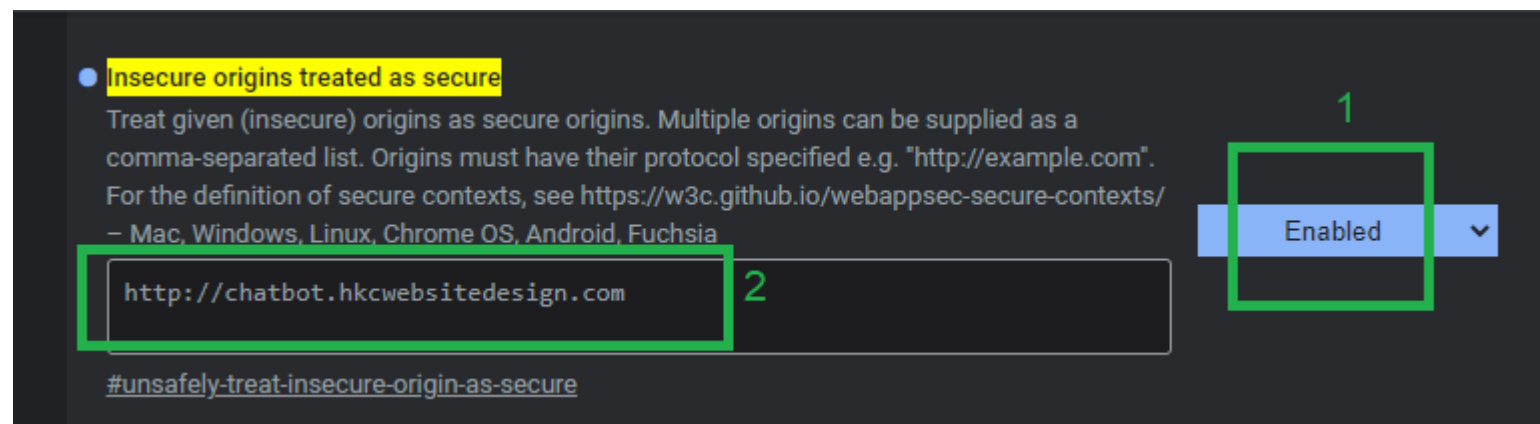
AI Chatbot Demo

Step 1: Unlock HTTPS site to enable the AI Chatbot feature as this is a developing site. Copy 'chrome://flags/#unsafely-treat-insecure-origin-as-secure' to the Chrome URL bar



Step 2: 1- Select 'Enabled'

2- Copy the link 'http://chatbot.hkcwebsitedesign.com' to the box

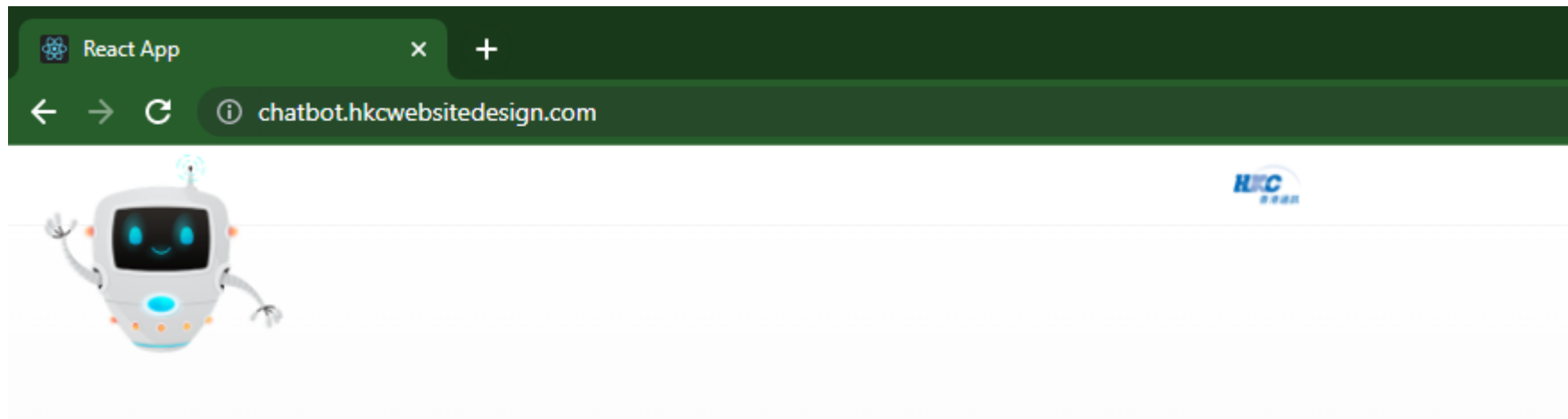


AI Chatbot Demo

Step 3: Click 'Relaunch', the changes will take effect the next time you relaunch Chrome



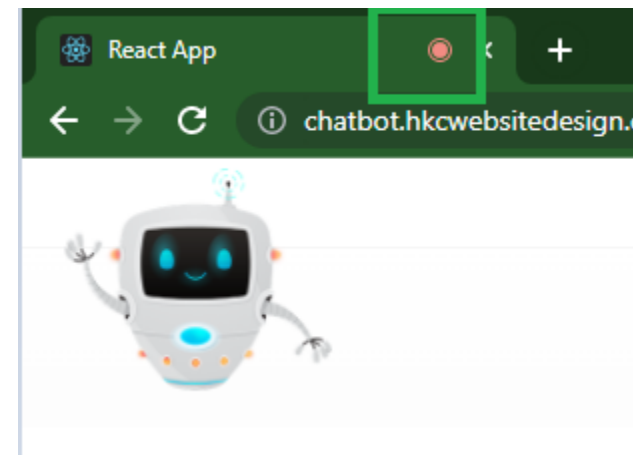
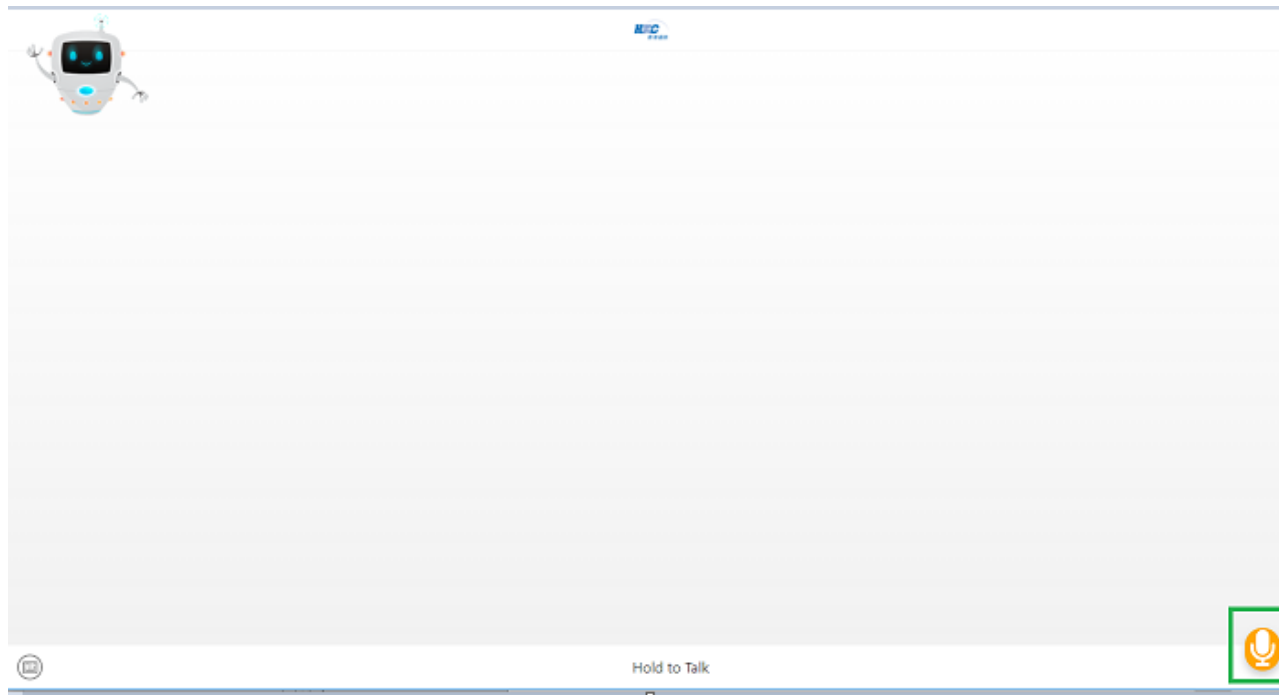
Step 4: Copy 'http://chatbot.hkcwebsitedesign.com' to the Chrome URL bar.



AI Chatbot Demo

Step 5: Press the mic icon (bottom right corner) and release to speak. A red dot will appear means it is recording.

Alternatively, you can press the keyboard icon (bottom left corner) for text.



AI Chatbot Dialog for Demo

Intents	Phrases	Responses	Follow Responses
搵住戶	想去3座9樓C室 想搵5座5樓A室 想去1座29樓B室 我想去10座31樓D室 想搵8座49樓E室 想去2座13樓G室 我想去9座19樓I室 送外賣6座21樓K室 我要送外賣去8座22樓C室 我想送外賣去2座17樓H室	請等等，依家聯絡緊住戶...	
搵管理員	有無人幫我 我想搵人幫手 我想搵真人 有無同事幫手 有無同事係度 點樣搵真人 我要人幫手	請等等，依家聯絡緊同事幫你...	
會所設施	我想book燒烤爐 點樣book party room 我想預約桌球枱 有無得book卡拉OK房 我想租場 我想預約multi-function room	請講出你想預約嘅日期同時間	Clubhouse booking UI
送物件	想送件去8座4樓K室 送件去5座8樓A室 送包裹去10座33樓G室 我要送件去3座2樓A室 送文件去6座19樓E室	已打開智能櫃12號，請將物件放入然後關門	
投訴及維修	我屋企有野壞咗 我要投訴 我想報維修 我屋企有野爛左 我個單位有問題	請你講出你要報告嘅事項	
投訴事項	燈唔穩固 油漆起粉 天花有水漬 天花有裂紋 牆身唔平滑 冷氣唔夠凍 冷氣機滴水	明白，已記低，同事會盡快聯絡你跟進	
問候	hihi 你好 你好嗎 你叫咩名丫 你係邊個 hello	你好，我係智能服務機械人，請問有咩可以幫到你？	
再見	byebye bye 拜拜 走啦	byebye，我地下次見喇	



Thank You

We appreciate your consideration of our entry

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