

SHUTTLE BUS SYSTEM

IoT in Transportation

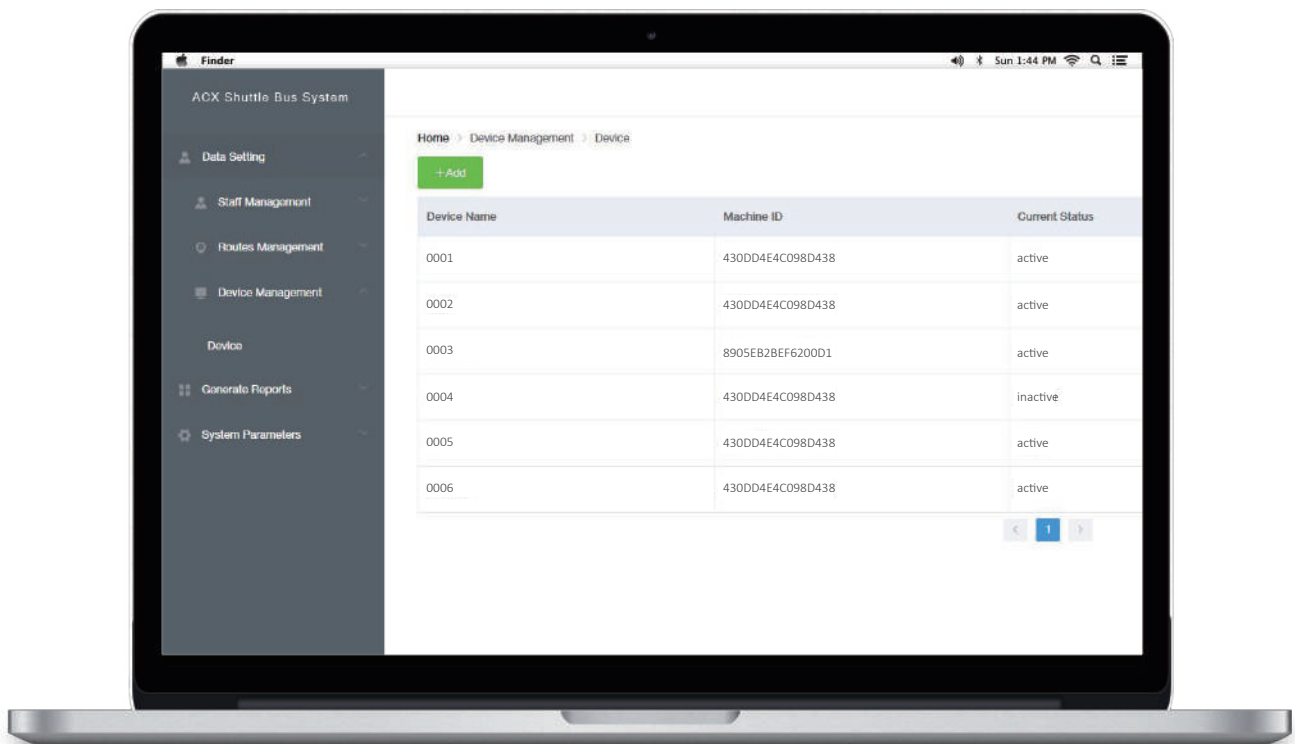


About Shuttle Bus System

- Separate to two parts in this system, i.e. Backend web portal for back office and Shuttle Bus APP for drivers
- Simple set up, i.e. only an Android smartphone with NFC function. Any card that supports NFC can be read in the driver's phone
- Driver can easily check whether the passenger has valid access right and the number of remaining seat via the APP
- Shuttle Bus APP will send record to server instantly. Back office can track two types of records in the web portal.
 - Passenger record: which staff takes on which bus at what time & date
 - Driver record: which driver drives which bus & route at what time & date
- Back office can review the time & attendance record of the driver

Operation Flow

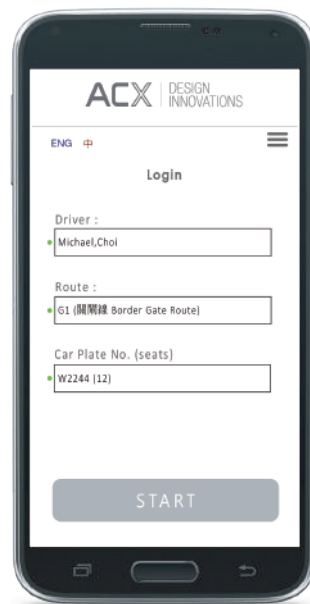
Step 1 : Register for the mobile device and active device in backend web portal.



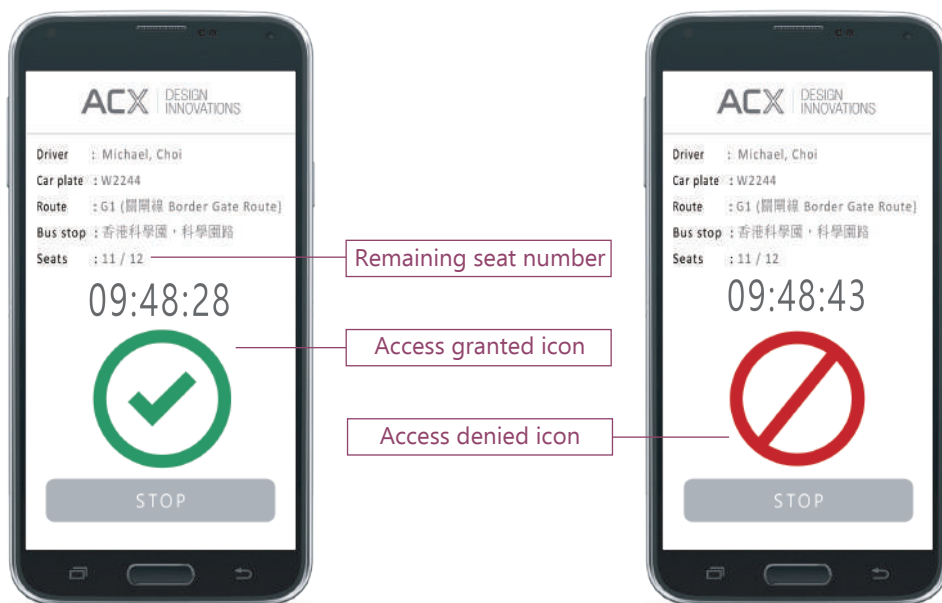
Step 2 : Driver pressing "Update" button to download information from the server to mobile device.



Step 3 : Before driving, the driver must select his name, route, and car plate number & capacity of the bus from the drop down list.



Step 4 : When a staff / cardholder swipes his card on this mobile, the icon of access granted or denied will be shown to notify the driver whether this passenger is a valid staff.



Step 5 : Once the driver arrives at the terminal and ends driving, he must press "Stop" button. Record will be uploaded to server.

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