

Project Scope: Secure Device Control System via QR & Key-Based Access

1. Project Overview

The Service Taker requires a Device Control Application that enables remote control of mobile devices through QR code or key-based access. The system will operate with a multi-user hierarchical structure comprising four roles: Super Admin, Super Distributor, Distributor, and Retailer. The application will allow secure device management without requiring a PC, with features such as camera control, app installation, and location tracking. Only the Super Admin will have the authority to generate and revoke keys, ensuring controlled access across the hierarchy.

2. User Role Structure : The system will support the following user roles with defined permissions:-

Role	Control Power	Key Provisioning	Key Withdrawal Rights
Super Admin	Full control over all devices and users	Can generate and assign keys to all	Can withdraw keys from all
Super Distributor	Limited to Distributors and Retailers	Can assign keys to Distributors	✗ Cannot withdraw
Distributor	Limited to Retailers	Can assign keys to Retailers	✗ Cannot withdraw
Retailer	Device control only	Cannot assign keys	✗ Cannot withdraw

3. Functional Requirements (Device Control Features) : The application will include the following features, accessible based on user roles:

Feature	Description
QR/Key-Based Access	Authorization via QR code or key to control mobile devices
No PC Required	Fully functional without PC connectivity
Camera Lock/Unlock	Remotely lock or unlock the device camera
App Install/Uninstall	Remotely install or uninstall apps on the device
Soft Reset On/Off	Soft restart or power off the device
Hard Reset On/Off	Option to perform a factory reset
Soft Boot On/Off	Control soft boot functionality

USB Debugging On/Off	Enable or disable developer mode
Outgoing Call Control	Enable or disable outgoing calls
Settings Lock/Unlock	Lock or unlock the device settings menu
Password Change	Remotely change the device lock password
Multimedia App Lock/Unlock	Lock/unlock apps like Gallery, YouTube, etc.
SMS Control	Lock SMS, send location via SMS, etc.
Location Check	Real-time device location tracking
Current Phone Number Check	Identify the active SIM/number in use
Warning Audio	Play a warning sound on the device
Offline Unlock Code	Unlock device without internet using a code
EMI Wallpaper	Display EMI watermark/advertisement on the lock screen
Recent Call List	Access recent call history
Agreement Option	Display an agreement screen before device usage

4. App Distribution & Update Process

- The app will be activated solely via QR code or key.
- The app will remain hidden from unauthorized users to prevent deletion.
- The Service Taker can install the app on other devices using keys to enable remote control.
- Updates will be managed through the admin panel, ensuring seamless delivery to authorized devices.

5. Wallet & Key Licensing System

- Each user will have a wallet for managing credits.
- The Super Admin can add credits to wallets and allocate keys.
- Key validity (e.g., one day, one month), range, and limits will be set by the Super Admin.
- Keys can only be revoked by the Super Admin, ensuring hierarchical control.

6. Limitations & Security Conditions

- Only the Super Admin can revoke keys.
- Super Distributors and Distributors can assign keys to lower roles but cannot revoke them.
- No user can revoke keys assigned by a higher role.
- The app can be hidden on the device to prevent unauthorized deletion.

7. Future Scope (Optional Enhancements changes not include)

- iOS support (planned for a future phase).
- Web-based monitoring dashboard.
- Integrated chat and support system.
- Geo-fencing capabilities.
- Key expiry notification system.

8. Scope of Work

The Service Provider shall deliver the following:	
Frontend (Custom Development)	Custom HTML/CSS/JavaScript/ tsx/ React etc. design for web panels.
	Android app with a user-friendly interface for device control.
	Role-based dashboards for Super Admin, Super Distributor, Distributor, and Retailer.
Backend Functionality	User management (role assignment, block/unblock).
	Key and QR code generation and validation system.
	Wallet management for credit allocation.
	Secure API for app-backend communication.
Security Features	SSL encryption for all communications.
	Device binding to prevent unauthorized access.
	Tamper detection to ensure system integrity.
Reports & Analytics	User activity reports (key usage, device control logs).
	Wallet transaction summaries.
	Device status reports (location, active SIM, etc.).
Testing & Deployment	Comprehensive QA testing for app and web panels.
	Deployment on client-provided hosting infrastructure.
Support	3 months of updates for bug fixes and minor improvements.
	9 months of support and maintenance post-delivery.

The Service Provider shall not be responsible for providing server, domain, hosting, third-party APIs, or any required external tools. It shall be the responsibility of the Service Taker (Client) to provide timely feedback, access, and all necessary information to avoid any delay in the project execution.

9. Deliverables

1. Android App: For device control and installation.
2. Super Admin Web Panel: For QR/key generation, wallet management, and reports.
3. Super Distributor/Distributor/Retailer Panels: Role-specific interfaces.
4. Secure API System: For seamless communication between app and backend.

1. Definitions		
Clause	English Definition	Hindi Definition
1.1	"Agreement" means this Service Agreement including all appendices and attachments.	"समझौता" से तात्पर्य इस सेवा समझौते से है जिसमें सभी परिशिष्ट और संलग्नक शामिल हैं।
1.2	"Service Provider" refers to Rishishwar Industry Pvt. Ltd.	"सेवा प्रदाता" से तात्पर्य रीशीश्वर इंडस्ट्री प्राइवेट लिमिटेड से है।
1.3	"Service Taker" refers to [To be specified by Service Taker].	"सेवा लेने वाला" से तात्पर्य [सेवा लेने वाले द्वारा निर्दिष्ट किया जाएगा] से है।
1.4	"Services" means all professional services provided by the Service Provider under this Agreement.	"सेवाएँ" से तात्पर्य इस समझौते के अंतर्गत सेवा प्रदाता द्वारा प्रदान की जाने वाली सभी व्यावसायिक सेवाओं से है।
1.5	"Deliverables" means all software, documentation, designs, reports, or other work product provided to the Service Taker.	"डिलीवरेबल्स" का अर्थ है सभी सॉफ्टवेयर, दस्तावेज, डिज़ाइन, रिपोर्ट्स या अन्य कार्य जो सेवा लेने वाले को प्रदान किए जाएंगे।
1.6	"Confidential Information" includes proprietary business information shared by either Party.	"गोपनीय जानकारी" में किसी भी पक्ष द्वारा साझा की गई स्वामित्व वाली व्यावसायिक जानकारी शामिल है।
1.7	"Intellectual Property Rights" means copyrights, trademarks, patents, designs, trade secrets, and all other IP rights.	"बौद्धिक संपदा अधिकार" से तात्पर्य कॉपीराइट, ट्रेडमार्क, पेटेंट, डिज़ाइन, व्यापार रहस्य और अन्य सभी बौद्धिक संपदा अधिकारों से है।