

Specifications & System Requirements



RFID Asset Management System

Server / Web App

Technical Specifications	Requirements
<p>Environment: IDE: Microsoft Visual Studio Framework: ASP.NET Core MVC Version 7 .Net Version: .Net Framework 7 Language: C#</p> <p>Backend: Language: C# Framework: ASP.NET MVC Version 6.2.4 Runtime: .NET Version 7</p> <p>Database Layer: Database Type: Relational Database Engine: MySQL 10.7.3 ORM: Entity Framework/Dapper 6.5.1 Database Hosting: Local / Cloud</p>	<ul style="list-style-type: none">• OS: Windows Server 2012 or higher; Windows 10/11 64 Bit• .Net Framework 4.5 or higher• IIS 10 + configured asp.net 3.5 and 4.5• IIS SMTP service• URL Rewrite• Database: MariaDB 10.7.3 (For Database)• Collation: latin1_swedish_ci (For Database) <p>Security Architecture and Authentication: The system uses Jason web token for authentication and system implements Role Based Access Control (RBAC) to manage user permissions</p>

Client App / Frontend

Technical Specifications	Requirements
<p>Browser-based View Engine: Razor (.cshtml) V7.0.0 Styling: Bootstrap/Custom CSS Javascript: Javascript Browser Support: Chrome, Edge, Firefox</p>	<p>Workstation with any OS Server connection Browser: Chrome, Edge, Safari, Firefox</p>

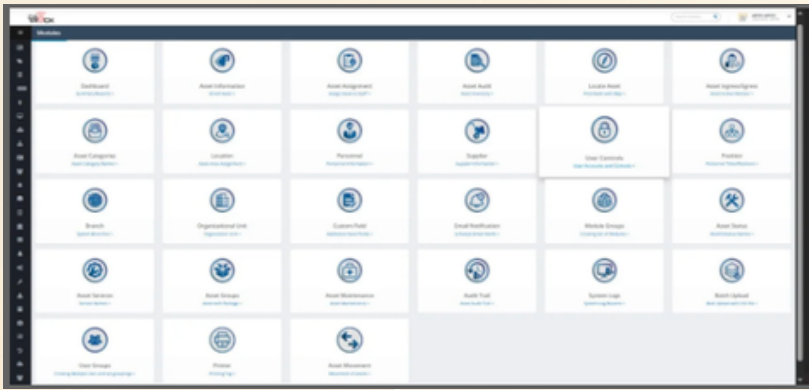
Mobile Client

Technical Specifications	Requirements
<p>Native Android APK Development Framework: Xamarin Programming Language: C# IDE Used: Android Studio Architecture Pattern: MVVM</p> <p>Backend Integration: API Type: REST Authentication Method: JWT Data Format: JSON Secure Communication: HTTPS (TLS 1.2+)</p>	<p>Android Device Minimum Android 10 Android Mobile Phone Minimum Android 13 Server connection Offline Mode: Supported Compatible Handheld Reader (For RFID Feature)</p>

Modules and Features



RFID Asset Management System



Ingress/Egress



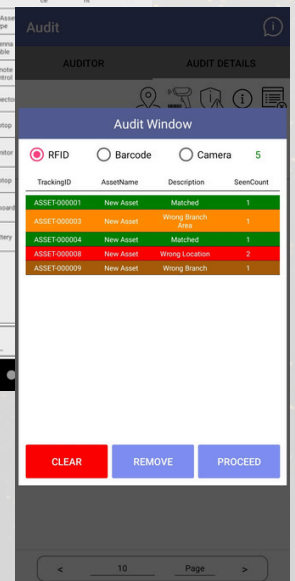
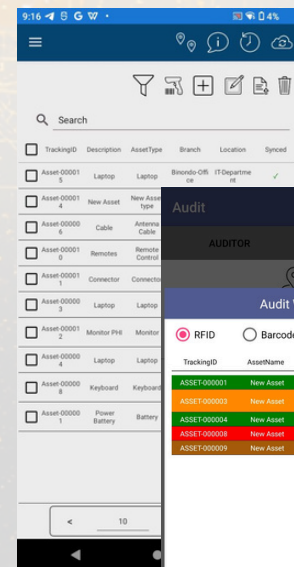
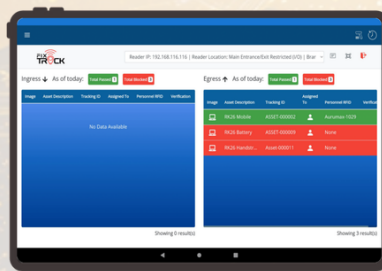
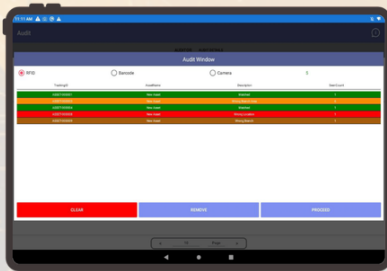
Locate Asset



Asset Audit



Asset Assignment



Other Features

Dashboard	User Control	Custom Fields
Straight Line Depreciation	Asset Condition	Asset Maintenance
Asset Movement	Email Notification	Asset Category
Branch Settings	Location	Supplier

Compatible RFID Hardware

