

1. Hardware Requirements:

- **Server Infrastructure:**
 - High-performance servers to handle backend operations, including user data storage, processing insurance information, and managing notifications.
- **Client Devices:**
 - Desktop and mobile devices (smartphones, tablets, laptops, and desktops) supporting web browsers and the mobile app.
 - Client devices should have internet connectivity and capable of running modern web browsers (e.g., Google Chrome, Mozilla Firefox, Safari) for web-based access.

2. Software Requirements:

- **Operating Systems:**
 - Server: The backend system will run on Linux-based servers (Ubuntu 20.04 LTS or higher) for stability, scalability, and security.
 - Client: Web-based interface will support Windows, macOS, and Linux operating systems. Mobile apps will be available for Android (version 8.0 and above) and iOS (version 12.0 and above).
- **Web Server and Database:**
 - Apache or Nginx for handling HTTP requests and serving static content.
 - MySQL or PostgreSQL for database management, ensuring quick retrieval of insurance data and handling large volumes of transactions.
- **Programming Languages and Frameworks:**
 - Backend: Java (Spring Boot) or Python (Django or Flask) for the development of the core business logic and API layer.
 - Frontend: HTML5, CSS3, JavaScript (React.js or Angular) for the web interface. Mobile apps will be developed using React Native or Swift (for iOS) and Kotlin (for Android).
- **Security Frameworks:**
 - SSL/TLS encryption for secure communication over HTTPS.
 - Data encryption protocols (e.g., AES-256) for storing sensitive user information.
 - OAuth 2.0 or JWT for user authentication and authorization.

3. Network Requirements:

- **Internet Connectivity:** The system requires stable internet access for data synchronization, updates, and real-time notifications.
- **Firewall and Security Controls:**
 - A firewall system to prevent unauthorized access to internal servers.