**Online Insurance Project**

**Project Abstract:**

Online Insurance is increasing prevalent years, due to its convenience, efficiency and accessibility. This project aims to create a user-friendly interface to facilitate purchase, processing and management. This project aims to helps customer, agent and company to access resource efficiently and effectively.

This platform helps in offering wide range of insurance products to customers. Users can browse through various plans and customize them to their requirements. This platform helps in users making informed decisions about their insurance purchases.

**Diagrams:**

**Class Diagram:**

A diagram of a company

Description automatically generated

**UML Diagram:**

A screenshot of a computer screen

Description automatically generated

**Sequence Diagram:**

A diagram of a diagram

Description automatically generated

**Data Flow Diagram:**

A diagram of a data system

Description automatically generated

**Modules to be implemented:**

1. User Authentication and Registration

2. Appointment Scheduling Interface

3. Agent Availability Management

4. Plan Information Management

5. Appointment Management

6. Notification System

7. Admin Dashboard

**Software Requirements:**

1. **Operating System:** The server-side infrastructure can run on MacOS.

2. **Web Server**: Use web server software to host the web application

3. **Database Management System (DBMS):** Choose a DBMS to store and manage the application's data., MySQL is used.

4. **Programming Languages and Frameworks:** The application can be developed using programming languages such as Python and Django are used.

5. **Frontend Technologies:** Utilize HTML, CSS, and JavaScript for frontend development.

6. **Version Control:** Use version control systems like Git for managing source code changes and collaboration among developers.

8. **Integrated Development Environment (IDE):** Visual Code

**Hardware Requirements:**

1. **Server Infrastructure:** Deploy servers with adequate processing power, memory, and storage capacity to host the web application, database, and associated services.

2. **Networking Equipment:** Utilize routers, switches, and network appliances to establish network connectivity and ensure reliable data transmission between clients and servers.

3. **Storage Systems:** Employ storage solutions such as hard disk drives (HDDs), solid-state drives (SSDs).

4. **Backup Systems:** Set up backup systems to regularly backup application data and configurations to prevent data loss in case of hardware failures or other emergencies.

5. **Power Supply and Cooling Systems:** Ensure reliable power supply and implement cooling systems to maintain optimal operating conditions for servers and networking equipment.

6. **Physical Security**: Implement physical security measures to protect server rooms or data centers from unauthorized access, theft, and environmental hazards.