Skeletos

Web Application that Empowers Young Insurance Company's Focus on the MSME Sector

Client Profile

The client is an emerging enterprise aiming to capitalize on the rapid expansion of Micro, Small, and Medium Size Enterprises (MSMEs) by offering enhanced insurance solutions. The global MSME sector is experiencing rapid growth and requires an expedited solution to address its evolving needs. As insurance compliance becomes obligatory, financial assistance is crucial for covering premium costs. The client seeks a dynamic web application to make a vibrant entry into the market
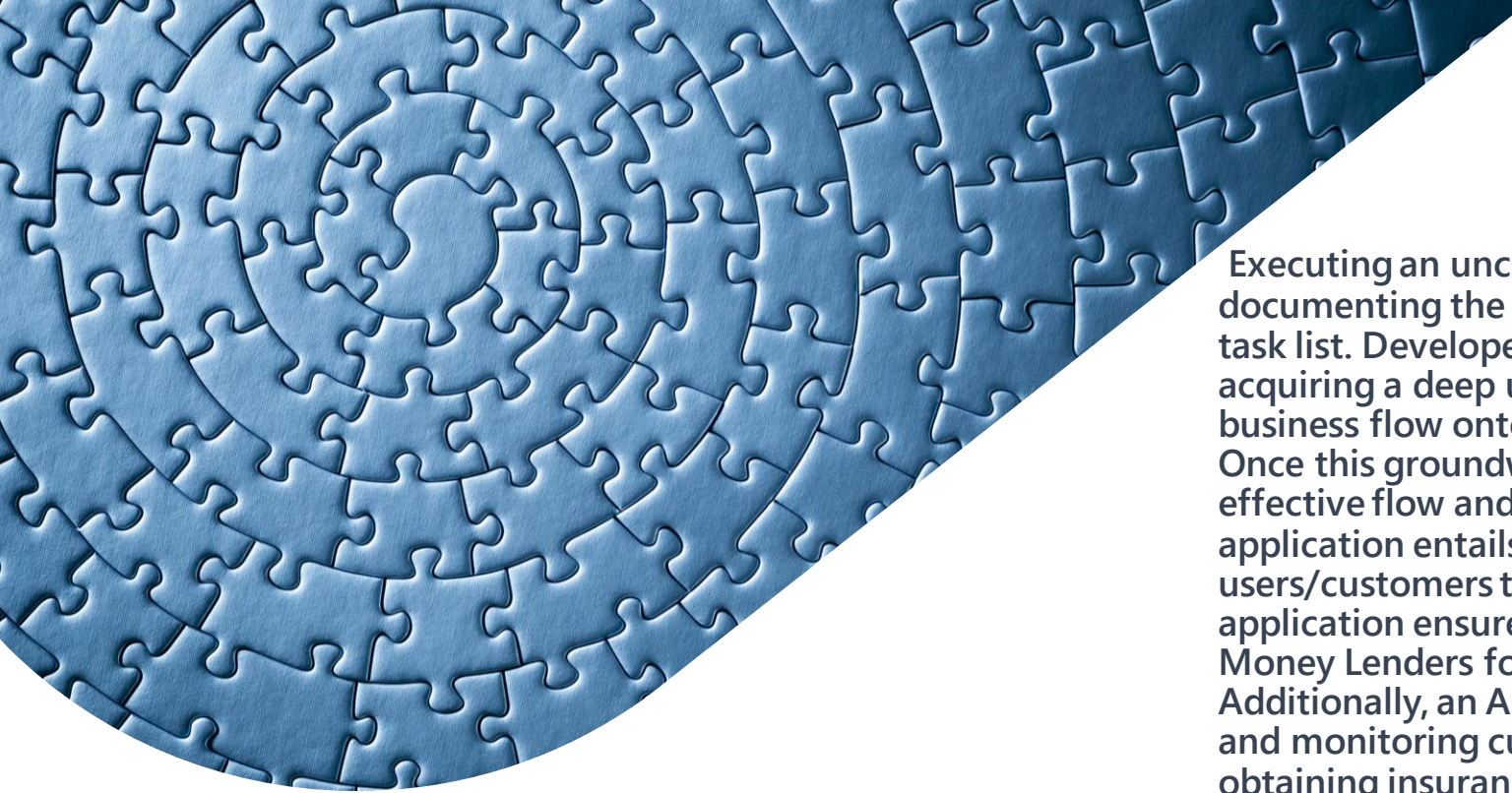
Challenges faced by Client

The client possesses a promising concept, albeit one that is currently dispersed across various documents. Executing the idea presents a unique challenge, particularly when it originates from two or more founders.
The founders face the difficulty of showcasing a tangible example as the idea is distinct — creating a unified dashboard to streamline the MSME entrepreneur's quotation process. The envisioned application aims to seamlessly connect with both Money Lenders and Insurance companies to swiftly generate quotes.
To enhance choices, the quotes will be sourced from multiple Insurance Providers, empowering MSME owners to conveniently explore and select the best options online.

Our Solution

Executing an unconventional idea poses inherent challenges. Begin by documenting the idea and business flow, and formulate a comprehensive task list. Developers and Business Development teams invest time in acquiring a deep understanding of optimal strategies to translate the business flow onto paper.

Once this groundwork is complete, Skeletos collaborates to present the most effective flow and UI/UX for the new Web Application. The envisioned application entails a secure and contemporary dashboard, facilitating new users/customers to confidentially share crucial company details. The application ensures secure communication with Payment Gateways and Money Lenders for prompt responses.

Additionally, an Admin Dashboard is integrated for internal office processes and monitoring customer interactions. This ensures the swiftest route to obtaining insurance and delivering the best possible experience for both customers and their end clients
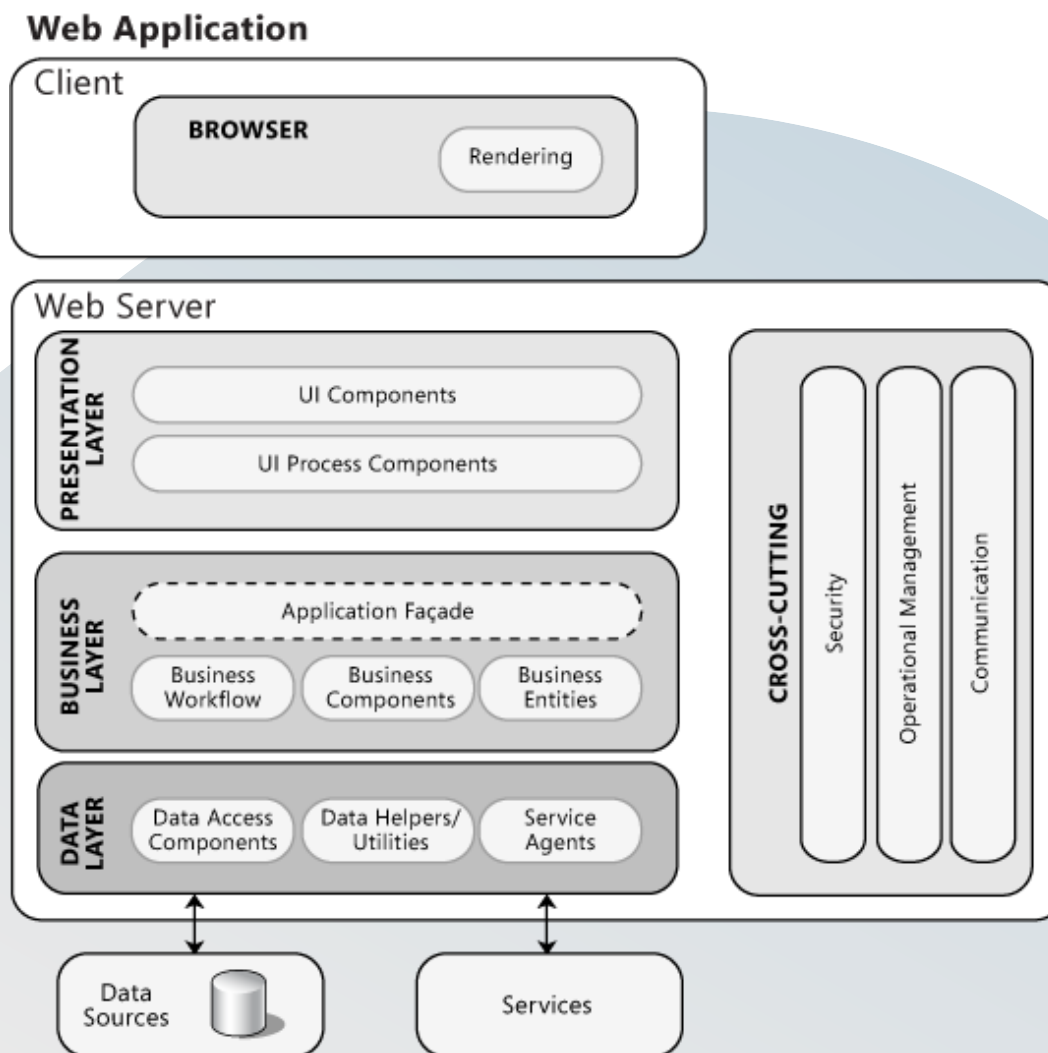
Our Approach

To accommodate a substantial volume of concurrent users, the Web Application is designed with a robust three-layer server architecture. The Front-End infrastructure is dedicated to delivering an optimal UI/UX, the Back-End infrastructure handles intricate business processes, and API connectivity facilitates seamless interaction with external applications such as payment gateways and money lenders.

Given the complexity of the mathematical business processes and the integration of third-party application data flow, the Web Application incorporates multiple databases for enhanced efficiency

Benefits of the Solution

- Ensured No Single Point of Failure: The solution is designed to eliminate single points of failure, ensuring constant availability for customers.
- Flexible Cloud Hosting Architecture: Our solution offers a flexible architecture, facilitating easy cloud hosting and scalability as needed.
- Emphasis on Back-End Efficiency: Prioritizing Back-End servers, the solution ensures swift business processes and efficient insurance calculations.
- Secure API Communication: The solution establishes a highly secure structure for the web application, safeguarding commercial data exchanged through APIs.
- Comprehensive Admin Dashboard: The complete solution includes an admin dashboard for effective monitoring and management.
- Segregation through Multiple Databases: The utilization of multiple databases helps segregate internal business process data and third-party data for organized management.
- Strict Control over Data Flow: The solution maintains the highest level of control over the ingress and egress data flow from the application.
- Lightweight Front-End with CDN Accessibility: The Front-End layer is designed to be lightweight and flexible, utilizing Content Delivery Networks (CDNs) to ensure accessibility even with limited internet connectivity for end users.

Web Application

Client
- BROWSER — Rendering

Web Server

PRESENTATION LAYER
- UI Components
- UI Process Components

BUSINESS LAYER
- Application Façade
- Business Workflow
- Business Components
- Business Entities

DATA LAYER
- Data Access Components
- Data Helpers/ Utilities
- Service Agents

CROSS-CUTTING
- Security
- Operational Management
- Communication

Data Sources

Services

About Skeletos

Skeletos connotes a framework. A framework that enables enterprises to modernize digitally.

'Skeletos' IT Services is a Pune-based Dynamic Software and IT Services company, having a presence in the USA. With a collective experience of 20 Years in Software development, DevOps, SysOps, Cloud solutions, Networks, and IT Infrastructure Management, we deliver solutions that leverage the latest technologies and are essential for sustainable business solutions Thus bringing value to the investments. 'Skeletos' takes a step forward by providing services that help in the fast and easy transition towards digitized processes and pre-emptive analytics.

We provide end-to-end solutions through our STRATEGY FIRST, TECHNOLOGY NEXT... approach.

Contact us at – **info@skeletos.io**

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