yuri curtis
CONSULTING

UNIFIED DATABASE SETUP AND MANAGEMENT SYSTEM (UDBSL)

BP (British Petroleum)
Oil and Gas

OVERVIEW

BP (British Petroleum), a global leader in the energy sector, sought to streamline its database creation and management processes across business units. The existing system lacked flexibility and required extensive involvement from the corporate IT department, leading to inefficiencies and delays. To address this challenge, BP engaged Curtis Consulting to develop a user-centric solution named Unified Database Setup and Management System (UDBSL).

BUSINESS PROBLEM

BP faced the critical business problem of efficiently setting up and managing databases across its various business units. The existing process relied heavily on centralized IT support, resulting in bottlenecks and delays in database deployment. BP sought a solution that would empower business units to create and manage their databases independently while maintaining consistency and ease of navigation across the system.

CURTIS CONSULTING'S ROLE

Curtis Consulting lead a cross-functional team responsible for updating and redesigning the interface of the database management system for BP. The firm collaborated closely with BP's teams to develop a comprehensive design solution, incorporating the following key elements:

Contextual Search Integration

Developed a design solution centered on contextual search functionality, unifying various consoles within the database management system. This approach enabled users to navigate seamlessly across different units while accessing relevant data tailored to their specific needs.

User-Driven Database Creation

Implemented features allowing users to create customized databases for their organizational units without dependency on the corporate IT department. This empowered business units to tailor databases to their unique requirements, enhancing agility and flexibility in data management.

Three-Dimensional (3-D) Graphical Elements

Incorporated 3-D graphical elements into the interface design to enhance user interaction with data. These elements provided intuitive visual cues and enhanced the overall user experience, facilitating efficient data manipulation and analysis.

SOLUTION APPROACH

Curtis Consulting adopted a user-centric approach to address BP's database management challenges, focusing on the following key aspects:

1. **User Research:** Conducted comprehensive user research to understand the diverse needs and preferences of business units regarding database setup and management.

2. **Iterative Design Process:** Employed an iterative design process, soliciting feedback from stakeholders and end-users to refine the interface and functionality of the UDBSL system.

3. **Accessibility and Scalability:** Ensured accessibility and scalability of the UDBSL system across different business units and operational contexts, accommodating diverse user requirements and organizational structures.

4. **Training and Support:** Provided training and support resources to facilitate smooth adoption and utilization of the UDBSL system across BP's business units, ensuring a seamless transition from legacy processes to the new platform.

Key Features

- **Contextual Search and Navigation:** Enables users to navigate seamlessly across different consoles and access relevant data using contextual search functionality.

- **User-Centric Database Creation:** Empowers business units to create and customize databases tailored to their specific needs without reliance on centralized IT support.

- **3-D Graphical Visualization:** Incorporates intuitive 3-D graphical elements to enhance data interaction and analysis, improving user engagement and comprehension.

- **Role-Based Access Control:** Implements role-based access control mechanisms to ensure data security and compliance with regulatory requirements.

Outcome

The collaborative efforts between BP and Curtis Consulting resulted in the successful development and deployment of the Unified Database Setup and Management System (UDBSL). The new system revolutionized BP's database creation and management processes, empowering business units to take ownership of their data while maintaining consistency and coherence across the organization. By leveraging innovative design solutions and user-centric principles, BP achieved greater agility, efficiency, and autonomy in managing its data assets

Conclusion

The UDBSL project exemplifies the transformative impact of user-centered design and innovation in addressing complex data management challenges within large organizations like BP. Through close collaboration and iterative design, BP and Curtis Consulting successfully delivered a scalable, intuitive, and user-friendly solution that revolutionized database setup and management processes, paving the way for enhanced operational efficiency and agility in the dynamic energy sector landscape.

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