**CLOUDGUIDE AI**

**Problem Identification:**

**Limited Interactive Guidance:** The existing IBM cloud bot primarily focuses on providing documentation links rather than offering contextual, interactive assistance. This creates a gap between theoretical knowledge and practical implementation.

**Lack of Context Understanding:** When users seek help, the current bot struggles to understand the broader context of their queries, often resulting in generic or misaligned responses that don't address the specific user needs.

**Documentation**: Centric Approach: Instead of providing hands-on guidance for building services, the existing solution emphasizes documentation delivery, which may not be immediately actionable for users trying to complete specific tasks.

**Problem Statement:**

In today's fast-paced digital landscape, both students and industrial professionals face challenges in effectively learning, building, and leveraging IBM services due to the steep learning curve, lack of hands-on guidance, and limited resources tailored for diverse user groups. **Traditional tutorials** and **documentation** often fail to provide an interactive, personalized, and step-by-step approach to solving real-world problems **using IBM services.**

To address these challenges, there is a need for an intuitive, **voice-enabled chatbot** that can guide users through building and utilizing IBM services, offering real-time assistance, answering queries, and providing step-by-step guidance. This solution aims to bridge the gap between users' varying levels of expertise and the complexity of IBM's offerings, enabling efficient learning and seamless adoption of these technologies.

**Scope:**

**Students**: Individuals with limited knowledge of IBM services, looking for guidance in learning and using these technologies.

**Industrial Professionals**: Individuals with varying expertise who need practical, hands-on support while working with IBM services to solve real-world problems.

**Goals:**

**Simplify Learning**: Provide an easy-to-understand, voice-based guide that reduces the learning curve for both students and professionals, enabling them to grasp complex IBM services without feeling overwhelmed.

**Offer Real-Time Assistance**: Enable users to interact with the chatbot for immediate responses to their questions or issues, reducing the wait time and offering timely support.

**Provide Step-by-Step Guidance**: Break down the process of using IBM services into clear, digestible steps, offering personalized instructions based on the user's specific task or query.

**Enhance Accessibility**: Make learning IBM services more accessible to individuals of all skill levels by using natural language processing, voice commands, and conversational interfaces.

**Comparison:**

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| **IBM Cloud assistant** | **Cloud Guide AI** |
| Provides Documentation when user prompts for service help | Provides Service selection when user prompts for service help |
| Documentation links are provided to build services | Step by Step Guidance is provided to build services with user follow-ups |
| Less context understanding | Understands context based on user prompts |
| Voice based context understanding | Voice based context understanding |