

Research on building an application system for spelling correction in the Cabin translation system

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Abstract: In the context of the increasing demand for multilingual communication, ensuring text quality is particularly important. This topic focuses on developing an automatic spelling correction system for cabin translation applications. The goal is to create a solution that improves user experience by minimizing spelling errors in service content. The research methodology includes both theoretical and experimental approaches, aiming to build an artificial intelligence-based model to analyze and correct spelling mistakes. The expected outcomes of this topic not only enhance service quality but also contribute to the development of natural language processing technology.

Keywords: Automatic spelling correction system, Cabin translation technology, Artificial intelligence