Today the users face a lot of problem regarding booking of the hotels in any android application because in most of the cases the user gets result more than what he expected or he gets results which are not according to his convenience. This paper focuses on automating the process of communication by use of chat-bot and it also focuses on providing customized results to the user which makes the process of hotel booking convenient and user friendly for him. An extensive research done on existing systems gave us an insight into their shortcomings which this system attempts to overcome by creating a chat-bot using Artificial Intelligence Markup Language and using various algorithms such as Keyword Matching, String Similarity, Spell Checker and Natural language parser. The implementation of this system has resulted in better resource utilization and increased responsiveness of user behavior. This system has been implemented to integrate with any Hotel Management Android Application to ease the process of hotel booking.
References


Index Terms

Computer Science

Information Sciences

Keywords

Chat-bot, Android, Hotel Reservation, Artificial, Intelligence Markup Language