

ABSTRACT

A shuttle bus travel service is an alternative transportation for people who travel through cities, especially cities which connected with a good highway infrastructure, like Jakarta and Bandung. Not only faster and efficient, shuttle travel agent also provides a service that gives the client to reach their destination inside the cities because of its flexibility in the amount of departure and destinations. But several deficiencies of the recent ticket reservation system affect an increasingly significant amount of queue during the weekend. Manually conventional reservation service is less guaranteed to provide the ticket in hand, unreachable call center is one of the reasons why the problem occurred. In the other hand, the queues of the waiting list system also provide uncertainty in reserving the ticket. Those problems will give a problem to the client in the aspect of time, especially for those who concern punctuality.

With the problem occurred, a better system must be made to provide an easy way to order tickets; A system which able to be accessed online through the internet so it able to provide a practical and efficient system.

The purpose of this final task is to design a shuttle bus travel reservation system using J2ME that connects a database assembled using MySQL. The designing of this system would require an average 1.5 Kb during each transaction process, and from the evaluation of the server capacity, there are 76195 users that able to access the system simultaneously. The result of this research is to ease and optimize the shuttle bus travel service from recent conventional system.