The goal of this thesis is to create a flight reservation system for a particular airline company to enable easy flight booking by customers and to facilitate reservation management by administrators. The first way to book a flight is wirelessly by using a Windows phone application. The other way to make that booking is by Administrator by using the World Wide Web (WEB). The Administrator described as a reservation manager for that airline company. The airline company provides to the Administrator all the necessary information, such as Planes, Pilots, and Attendants. Then, the Administrator manages all that information for the airline company. In this thesis project, a solution will be implemented with ASP.NET Web technology. The SQL server will be used as a relational database to save all application related entries. The basic purpose of this research is to create a booking airline application to replace the old one which has features that are not fully compatible with the latest technology. This has been successfully fulfilled.

Key technologies used in this project: ASP.NET, C#.NET, SQL Server, Windows Phone 8.