

Distributed Airline Management System (DAMS) --- Web Client

Abstract:

Earlier, the Airline Reservation Systems (ARS) used to be standalone systems. Each airline had its own system, disconnected from other airlines or ticket agents, and usable only by a designated number of airline employees. Travel agents in the 1970s pushed for access to the airlines' systems. Today, air travel information is linked, stored, and retrieved by a network of Computer Reservations Systems (CRS), accessible by multiple airlines and travel agents. The global distribution system (GDS) makes for an even larger web of airline information, not only merging the buying and selling of tickets for multiple airlines, but also making the systems accessible to consumers directly. GDS portals and gateways on the Web allow consumers to purchase tickets directly, select seats, and even book hotels and rental cars. Airline Reservation System (ARS) in conjunction with Global Distribution System (GDS) has led to ease of airline ticketing, flight scheduling and also provided a means for customers to access and book flights from their homes. It has also increased the speed with which information about customers are retrieved and handled for flight scheduling tasks. **Airline Reservation System (ARS)** is a computerized system used to store and retrieves information and conduct transactions related to air travel. The systems was originally designed and operated by airlines, but were later extended for the use of travel agencies. Major ARS operations that book and sell tickets for multiple airlines are known as Global Distribution Systems (GDS). Airlines have divested most of their direct holdings to dedicated GDS companies, who make their systems accessible to consumers through Internet gateways. Modern GDS typically allow users to book hotel rooms and rental cars as well as airline tickets. It is obvious that everything that is sustainable would have to go through advancement. In science and technology, the desire for improvement is a constant subject which triggers advancements. This is visible in every ramification and the airline industry is not an exemption. Airline Reservation Systems (ARS) used to be standalone systems. Each airline had its own system, disconnected from other airlines or ticket agents, and usable only by a designated number of airline employees. Travel agents in the 1970s pushed for access to the airlines' systems. Today, air travel information is linked, stored, and retrieved by a network of Computer Reservations Systems (CRS), accessible by multiple airlines and travel agents. The

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