Airline Reservation System Component Diagram

The **component diagram for Airline Reservation System** is used to show how the parts work together to make the airline system operate correctly. A component diagram shows how the software's parts are organized and how they depend on each other. This diagram gives a high-level look at the parts of a system.

Components of an airline reservation system component diagram can be part of software or hardware. They could be a database, a user interface, or something else that helps the airline reservation system work.

What is the Airline Reservation System?

An "airline reservation" is a legal contract in which an airline agrees to deliver a seat to a certain passenger via plane on a specific flight from one defined airport to another in exchange for a set amount of money. From the moment of the first reservation until flight completion, the contemporary airline reservation system is a comprehensive suite of products that support a variety of airline management activities and serve client needs.

Airlines use airline reservation systems (ARS) to sell their available seats. It has schedules and fares, as well as a database of reservations (or passenger name records) and tickets that have been given out.

The airline reservation system is used not only to make flight reservations but also to assist with many airline management activities and to meet the needs of consumers from the initial booking through the flight's conclusion. These statements were collected as the information concepts in developing the system UML diagrams. The concept formulated will be applied to the component diagram illustration.
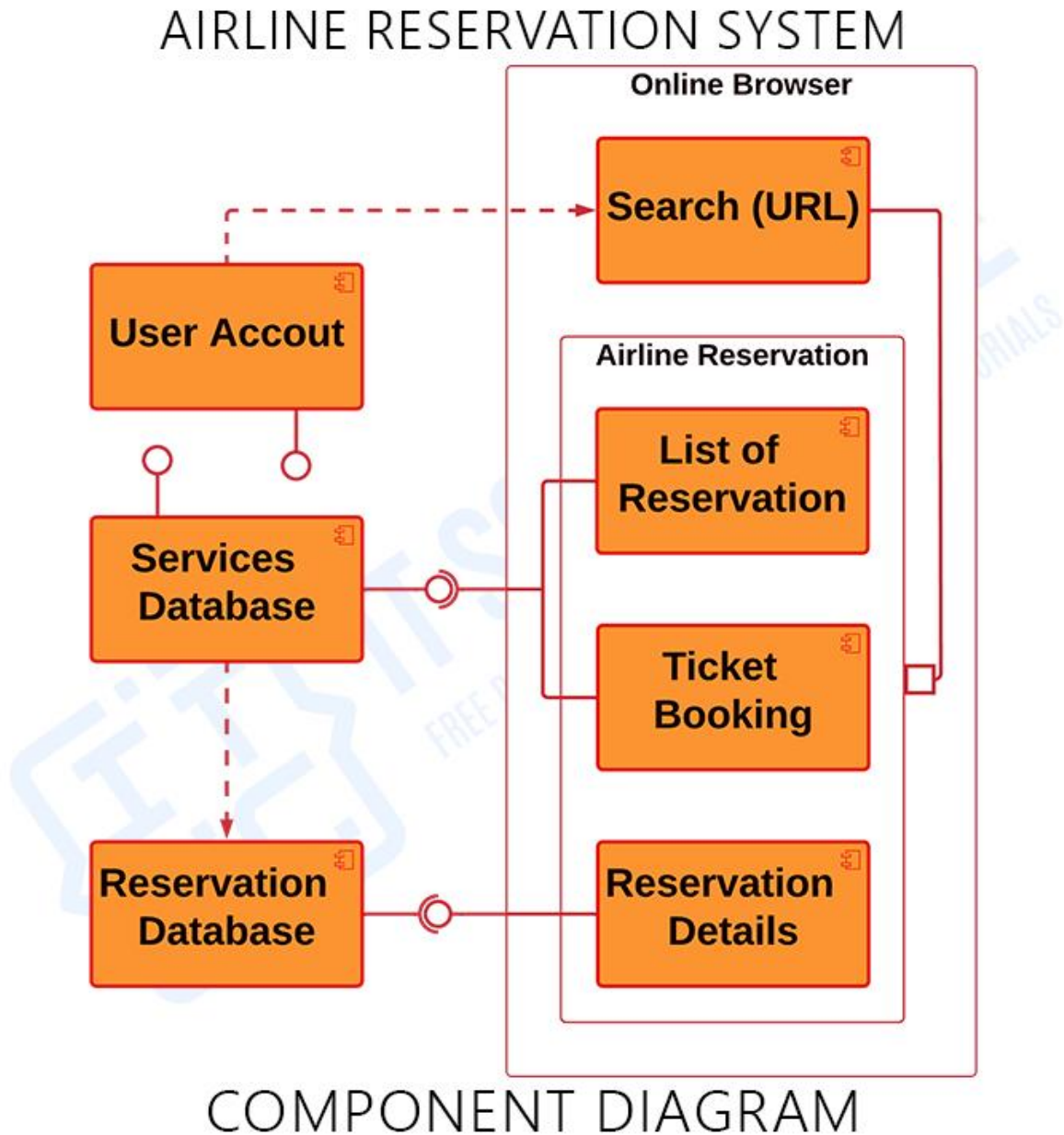
Airline Reservation System Component Diagram in UML

A component diagram in the (UML) Unified Modeling Language shows how parts are wired together to explain the parts of airline systems. They are used to show the structure of any kind of system.

The UML component diagram shows how an airline reservation system will be made up of a set of deployable components, such as dynamic-link library (DLL) files, executable files, or web services. Using well-defined interfaces, these parts communicate with each other and keep their internal details hidden from each other and the outside world.

The Component Diagram for Airline Reservation System

This **component diagram of airline reservation system** is the illustration of the components of every hardware and software node. The component diagram below is a detailed illustration of the [Deployment Diagram for Airline Reservation System](#).

UML Component Diagram for Airline Reservation System

This component diagram shows the structure of the airline system, which consists of the software components and their interfaces, accounts database, transaction information, and financial information. Their dependencies explain how they work together. You can use

component diagrams to show how software systems work at a high level, or you can use them to show how each component works at a lower level, like in a package.

Airline Reservation System Component Diagram (Explanation)

The **Airline Reservation System UML component diagram** explains the sketch of the required software and hardware components and the dependencies between them. These components are labeled to clarify their part in the system's operation. They were represented by symbols that explain their function and role in the overall airline reservation system operation. The dependencies on each component are explained through the lines and arrows drawn in the diagram.

The component diagram of the airline reservation system has 7 components which are user account, services database, reservation database, search, list of reservations, ticket booking, and reservation details. This diagram shows several interfaces that are provided and required. The client's side package contains the required interfaces and the crew's side contains the provided interfaces. The admin's side package also holds and manipulates the crew's components.