Online Examination System Component Diagram

The **component diagram of online examination system** is used to show how the system's parts work together to make it operate correctly. This component diagram shows how the software's parts are organized and how they depend on each other. It gives a high-level look at the parts of the online examination system.

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

What is an Online Examination System?

An online examination system is a computer-based test system that may be used to conduct computer-based tests online. This test system doesn't use as many resources and doesn't need question papers or answer scripts. It also doesn't need to schedule exam rooms, coordinate invigilators, or do other things.

This online examination system gives the examination procedure more flexibility and security. Once all of the questions have been submitted, the system can shuffle and assign questions to students in different orders. This reduces the possibility of cheating.

The purpose of the online examination approach is to evaluate students' knowledge of the subject. In comparison to traditional pen-and-paper testing, this method minimizes logistical problems and disadvantages. Students are not required to gather in the classroom for the exam.

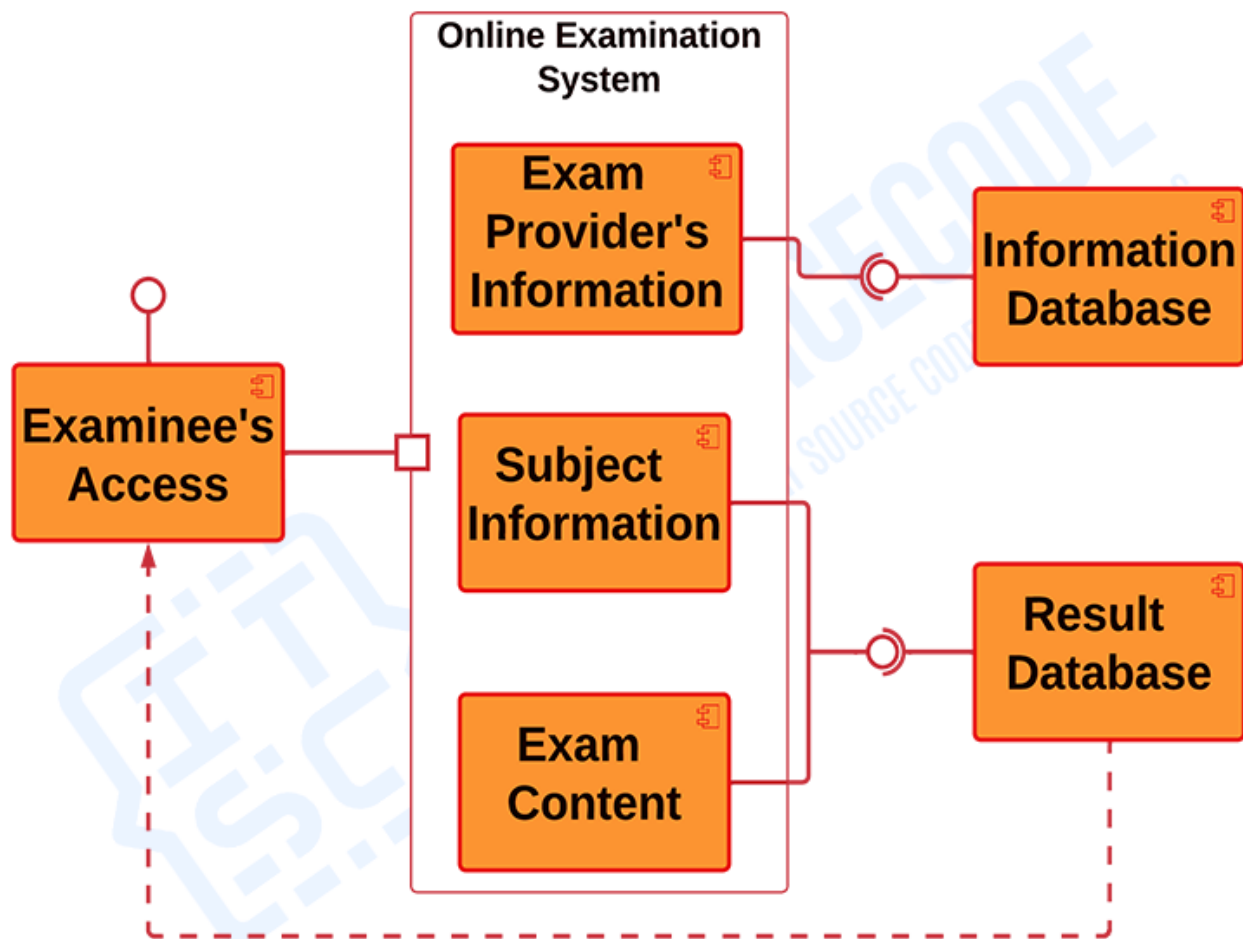## What is Online Examination System Component Diagram in UML?

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

The UML component diagram shows how an examination system will be made up of and the 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 Online Examination System

This **component diagram of online examination 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 Online Examination System.

UML Component Diagram for Online Examination System

This component diagram shows the structure of the examination system, which consists of the software components and their interfaces, and 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.

Online Examination System Component Diagram (Explanation)

The **Online Examination 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 online examination system operation. The dependencies on each component are explained through the lines and arrows drawn in the diagram.

The **component diagram of online examination system** has 6 components which are the examinee's access, exam information, subject information, exam contents, information database, and the result database. This diagram shows several interfaces that are provided and required. The required interfaces (components) are the exam information and the result database. They were then provided by the interface they were connected to.