18CS2009 – 20CS2050l – Software Engineering URK20CS2001

Ex. No: 7a	**COMPONENT DIAGRAM**
Date: 13/09/2021	
Video Link:	https://drive.google.com/file/d/1cw0HSe5donE6tKaa8UpZXOSPjLcXjKh-/view?usp=sharing

OBJECTIVE

Component diagrams fall under the category of an implementation diagram, a kind of diagram that models the implementation and deployment of the system. A Component diagrams. Is used to describe the dependencies between various software components such as the dependency between executable files and source files.

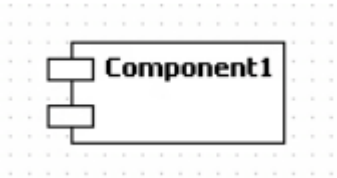
This document will explain the Component diagram for the website E-Learning System.

DESCRIPTION

In a component diagram, classes and actors are listed as columns with vertical lifelines indicating the lifetime of the object over time.

Component

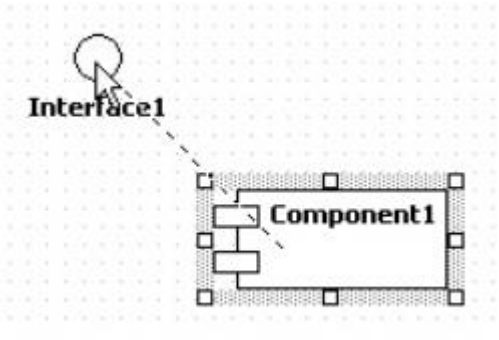
A component represents a software entity in a system. Examples include source code files, programs, documents and resource files. A component is represented using a rectangular box, with two rectangles protruding from the left side



Dependency

A dependency is used to model the relationship between two components. The notation

for a dependency relationship is a dotted arrow, pointing from a component to the component it depends on.



ALGORITHM

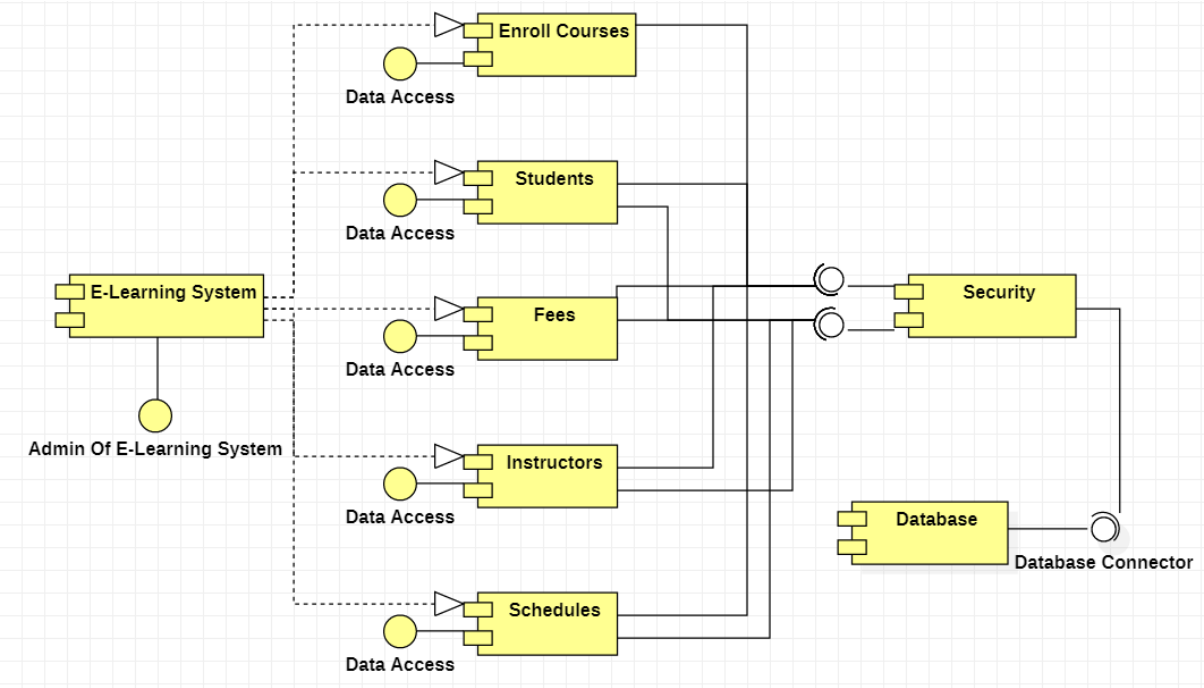
Step 1: Identify the software entities used in the system.

Step 2: The dependency relationship is drawn according to the system set up.

Step 3: The link is drawn between the components.

Step 4: Terminate the process after completion.

OUTPUT:



The components of this E-Learning System has a Enroll courses, students, fees, instructors, security, and Database control.

RESULT:

The component diagrams are used in the implementation phase of software development to articulate the high-level requirements of the system are drawn successfully