### Ex No: 4 UML Component Diagram for Student Management System

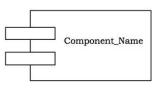
Aim: To draw UML Component diagram for student management system.

#### **Procedure:**

Component diagram is used model the physical aspects of a system. Physical aspects are elements such as executable, library and files in the system. It is used to visualize the organization and relationships among components in a system. It describes the components used to make those functionalities.

#### **Component Diagram Notations**

- Component
  - A component is drawn as a rectangle with optional compartments stacked vertically.

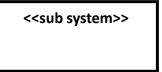


- Interface
  - Interfaces represent the places where the classes in the component communicate with other system components.
    - Provider Interface

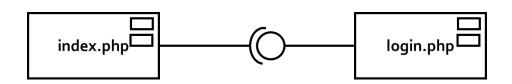


Required Interface

- Port
  - Interaction point between the component and environment.
- Subsystem
  - Denotes a part of the system







## Result:

Thus UML Component diagram for student management system is drawn successfully.

# Ex4

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