

## EXPERIMENT NO. 11

AIM: Development of component and deployment diagrams for the project.

### THEORY:

Component diagram - It is used to break down a large object-oriented system into smaller components, so as to make them more manageable.

It models the physical value of system such as executables, files, libraries etc.

It visualizes relationships & organisation between components present in system. It helps in informing executable system.

Notation of component diagram -  
a component, a node.

Purpose of component diagram -

- It envisions each component of system
- It constructs executable by incorporating forward & reverse engineering
- It depicts relationships & organization of components.

Deployment diagram - It visualises physical hardware on which software will be deployed. It portrays deployment view of system. It involves nodes & relationships.

It ascertains how software is deployed on hardware, & maps architecture created in design to physical architecture.

Teacher's Signature .....



Purpose of deployment diagram -

- to envision hardware topology of system.
- to represent hardware components on which software components are installed.
- to describe processing of nodes at runtime.

Symbol and notation -

component, artifact, interface, node.

CONCLUSION: Thus, through this experiment, we understood the concept of deployment and component diagrams and implemented the same for our project.



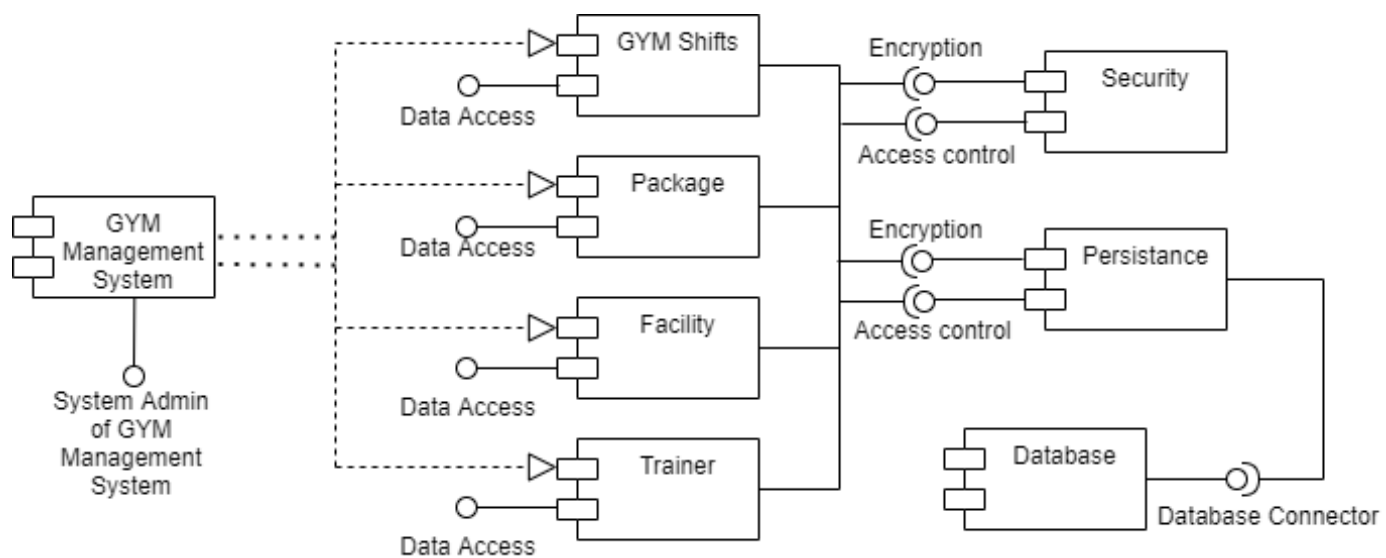
## **EXPERIMENT 11**

**AIM: Develop a Component and Deployment diagram for the project.**

**Project Name:** GYM Management System

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**Component Diagram:**



## Deployment Diagram:

