**Lab Assignment: 12**

**Object:** To draw the ***Component Diagram*** for ***Hotel Management.***

**Introduction:**

Component diagrams are different in terms of nature and behaviour. Component diagrams are used to model the physical aspects of a system. Now the question is, what are these physical aspects? Physical aspects are the elements such as executables, libraries, files, documents, etc. which reside in a node.

Component diagrams are used to visualize the organization and relationships among components in a system. These diagrams are also used to make executable systems.

**Purpose of Component Diagrams:**

Component diagram is a special kind of diagram in UML. The purpose is also different from all other diagrams discussed so far. It does not describe the functionality of the system, but it describes the components used to make those functionalities.

The purpose of the component diagram can be summarized as −

* Visualize the components of a system.
* Construct executables by using forward and reverse engineering.
* Describe the organization and relationships of the components.

A typical example:

