



CITY UNIVERSITY

Lab Assignment No -01

**DEPARTMENT NAME: COMPUTER SCIENCE &
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COURSE CODE: CSE-326

COURSE NAME: SYSTEM ANALYSIS & DESIGN

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Title Section : Class Diagram

SubSection :

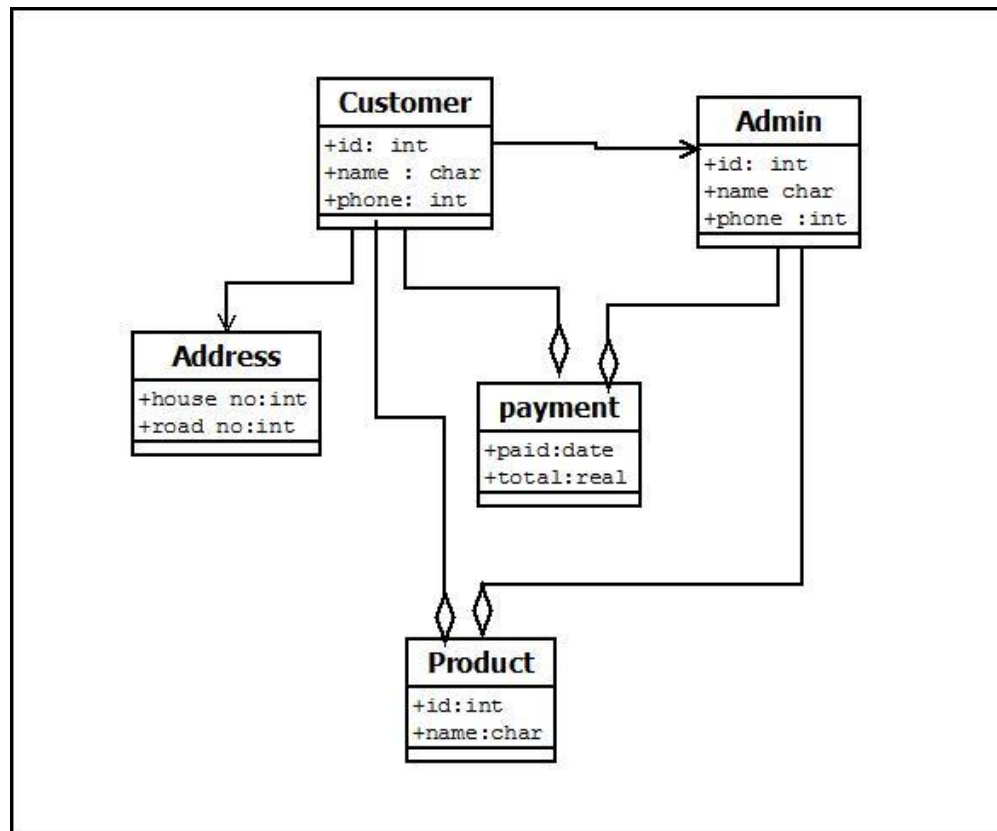
Class Diagram

What Is Class Diagram.....?

How to Draw a Class Diagram??

Where to Use Class Diagrams?.....?

Class Diagram



What Is Class Diagram

Class diagram is a static **diagram**. It represents the static view of an application. **Class diagram** is not only used for visualizing, describing, and documenting different aspects of a system but also for constructing executable code of the software application.

How to Draw a Class Diagram?

- The name of the class diagram should be meaningful to describe the aspect of the system.
- Each element and their relationships should be identified in advance.
- Responsibility (attributes and methods) of each class should be clearly identified
- For each class, minimum number of properties should be specified, as unnecessary properties will make the diagram complicated.
- Use notes whenever required to describe some aspect of the diagram. At the end of the drawing it should be understandable to the developer/coder.
- Finally, before making the final version, the diagram should be drawn on plain paper and reworked as many times as possible to make it correct.

Where to Use Class Diagrams?.....?

- Describing the static view of the system.
- Showing the collaboration among the elements of the static view.
- Describing the functionalities performed by the system.
- Construction of software applications using object oriented languages.

References

http://www.tutorialspoint.com/uml/uml_class_diagram.htm