

Online Shopping System Class Diagram

The **Online Shopping System Class Diagram** is used to represent, explain, and document the parts (classes) of an online shopping system. Designing this diagram can also be used as a reference or way to create executable software code. It provides an overview of the shopping system's classes, functions, and relationships.

A **UML class diagram** is crucial in an online shopping system development. This is because the class diagrams are very effective in showing the online shopping system's structure in detail, including the structures of each class.

Online Shopping System Definition

An online shopping system is a type of electronic commerce that allows customers to buy goods or services directly from sellers over the Internet via a web browser or a mobile app. The major goal of the online shopping system is to keep track of shopping, the internet, payment, bills, and customer information. It keeps track of all the information related to shopping, products, customers, and shopping.

The availability of internet businesses allows you to shop from the comfort of your own home. It's difficult to find any in stores that are open 24 hours a day, seven days a week. Online Shopping systems can assist clients in obtaining merchandise and save time while shopping. The drawback of online shopping is the lack of trust.

What is Online Shopping System Class Diagram in UML?

The blueprints of online shopping system are described in class diagrams. The blueprints through class diagrams can be used to show how things in an online shopping system work together, how they are related, what those objects do, and what services they provide. It defines the physical components of an online shopping organization and wiring.

Component diagrams are frequently used to represent implementation specifics and double-check that planned development covers all aspects of the online shopping system's needed functions. The online shopping classes' attributes and operations, as well as the constraints put on them, are depicted in a class diagram. It is the only UML diagram that can be directly mapped to object-oriented languages.

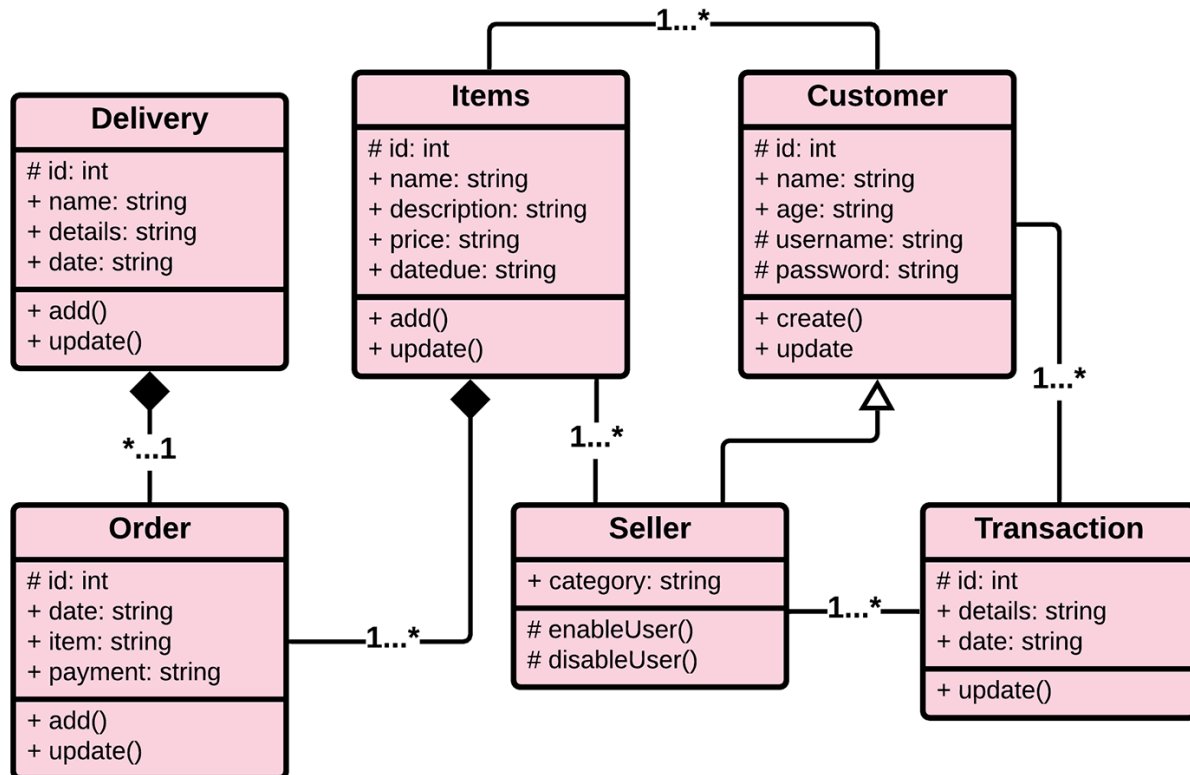
Class Diagram Benefits:

1. It aids in the better and more accurate illustration of data models.
2. Explains a more straightforward and clear understanding of the overall system or process' overview and schematics.
3. It provides a sense of direction.
4. Gives a lot of information on the structure of your systems.

5. Summarize the system's static perspective.
6. Enumerates how the parts of a static view work together.
7. Defines the functions that the system does and Object-oriented programming languages are used to create software applications.

The Class Diagram for Online Shopping System with Explanation

The **Class Diagram for Online Shopping System with an explanation** is given to expound on its ideas. This Class Diagram gives you the exact details about the class characteristics and methods. It also clarifies the connections of classes in the system. Here, I will be showing you the sample constructed class diagram provided with its attributes with matching methods. This is constructed with the simple idea derived from the common function of online shopping.



Class Diagram for Online Shopping System in UML

The illustration shown in this article gives you the hint on how will you design your own **Online Shopping System UML Class Diagram**. It has a simple idea of how the class diagram works. It resembles a flowchart in which classes are represented as boxes with three rectangles inside each box. The top rectangle has the class's name; the middle rectangle contains the class's properties; and the bottom rectangle contains the class's methods, commonly known as operations.

The classes identified for Online Shopping System were the **items**, **customer**, **seller**, **order**, **delivery**, and **transaction**. Their roles were explained in the middle part and called their

attributes. The function can be seen by reading through its' methods. You can add more to this and it is up to you how will you create your class diagram. Only be precise with your information and consider the decisions that should be included.