

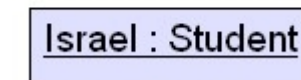
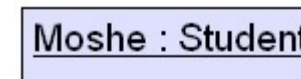
UML Object Diagrams

Introduction

- While the UML class diagrams present the detailed static design of our planned system, the UML object diagrams show how actual objects are connected with each other at a specific time.
- The UML object diagrams show a snapshot of the relationships between the various objects in our system at runtime.
- The UML object diagrams use the same syntax we use when drawing class diagrams.

Object Notation

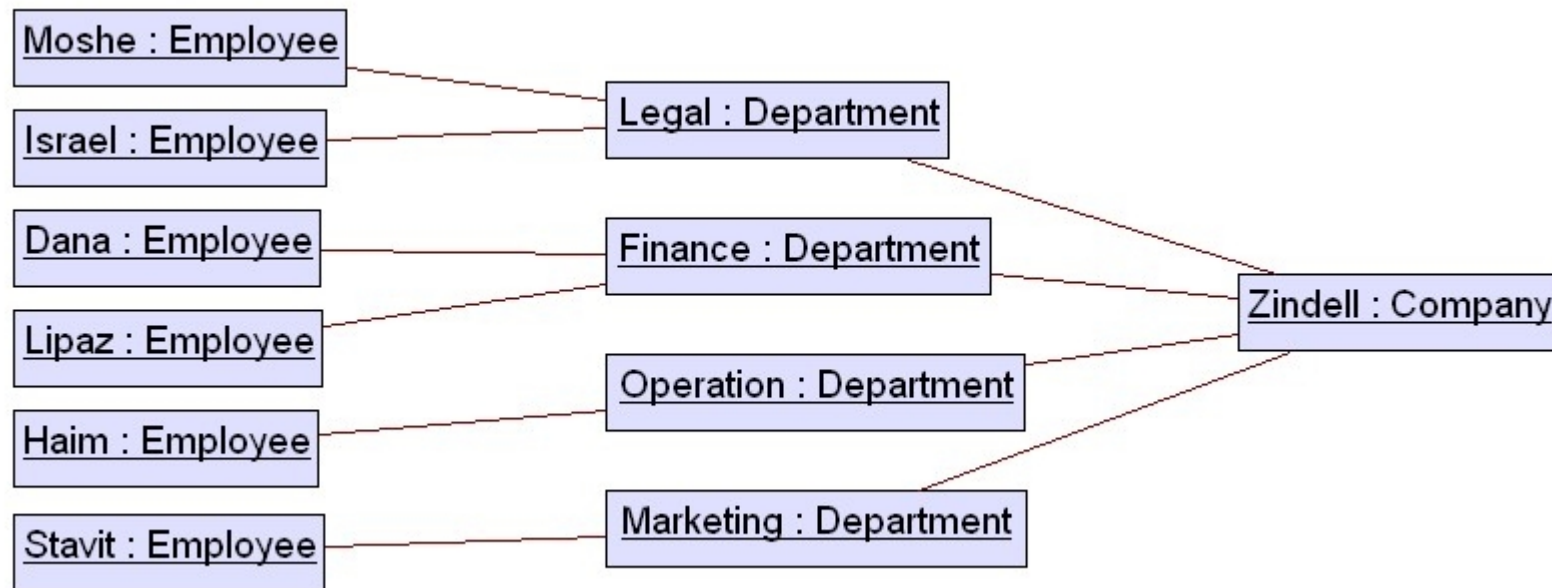
- An object is an instance of a class. Each object can be named with its own name. Most object diagrams usually avoid naming each one of the objects.
- The object notation includes an empty rectangle with its name followed by a colon followed by its type. In order to have a clear differentiation from class we underline the name and the type.



UML Object Diagram

- Creating the object diagram is simpler comparing with creating the class diagram. In many cases, starting with the object diagram assists completing the class diagram.
- Using the object diagram it is possible to focus on specific real world examples and the relationships between them.
- The clarity of the object diagram can be improved when avoiding displaying the attributes and choosing object names that provide enough information to understand the whole diagram.

UML Object Diagram



UML Object Diagrams

11/04/08

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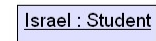
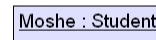
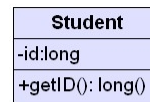
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When drawing object diagrams it is possible to use all class diagrams notations. Nevertheless, keeping the object diagram simple while avoiding the objects attributes and naming each object with a meaningful name might improve the overall diagram clarity.

UML Object Diagram

