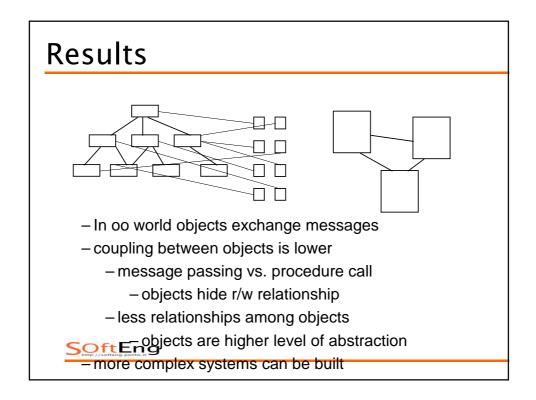
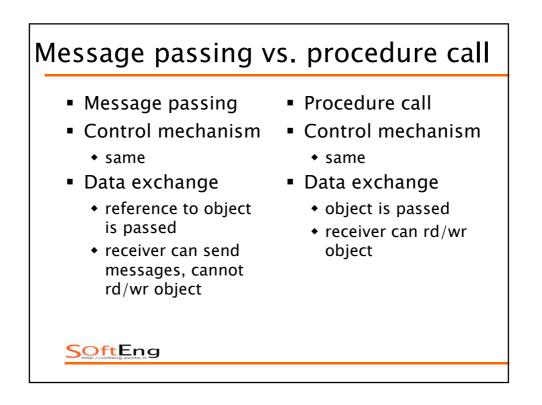
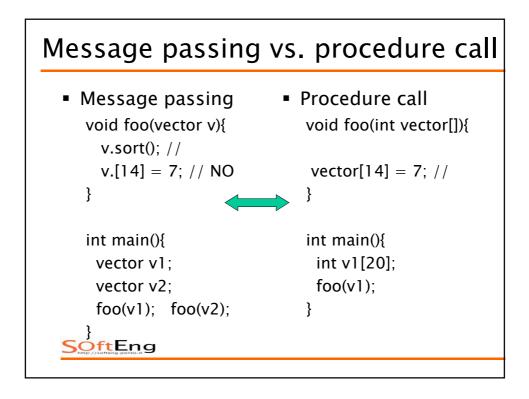
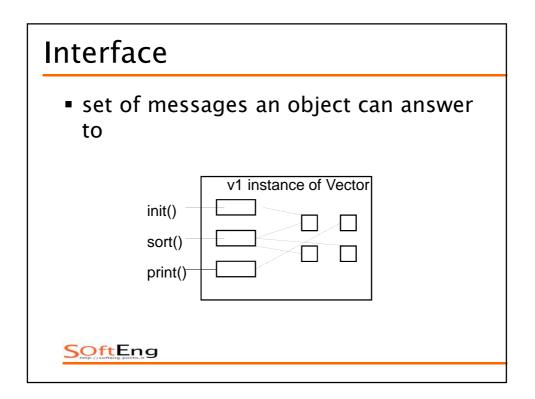


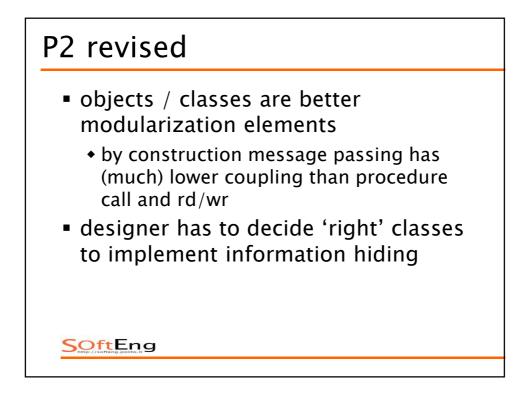
More OO	
main]
	 = message pass = declare

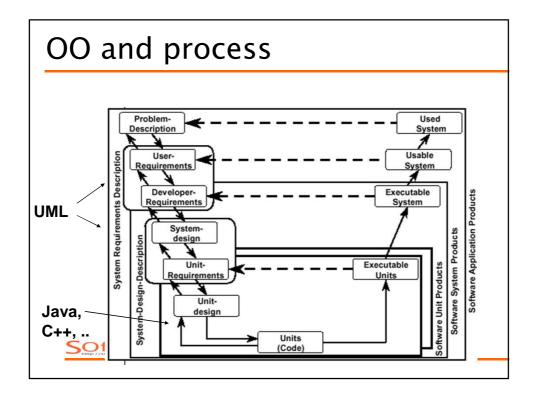


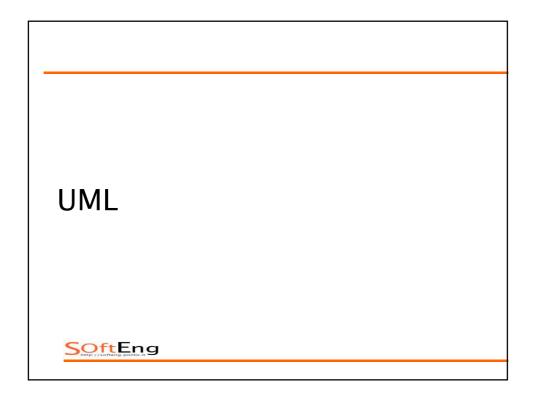


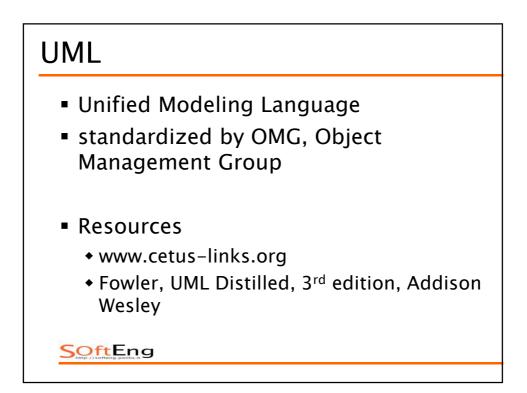


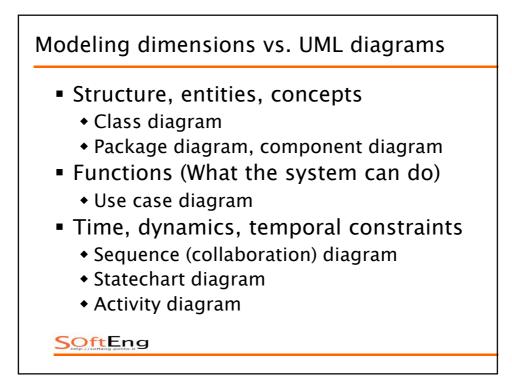


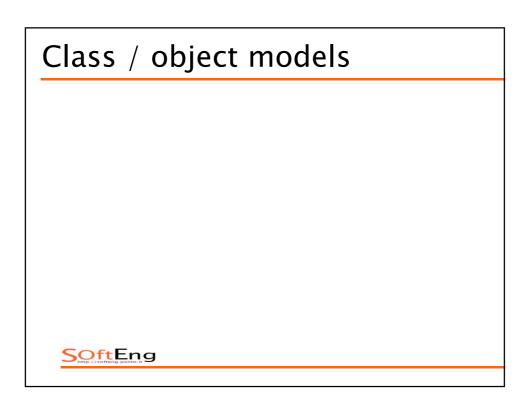


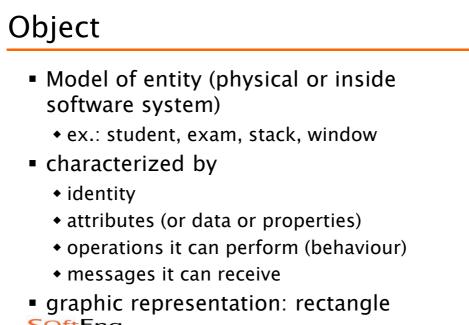




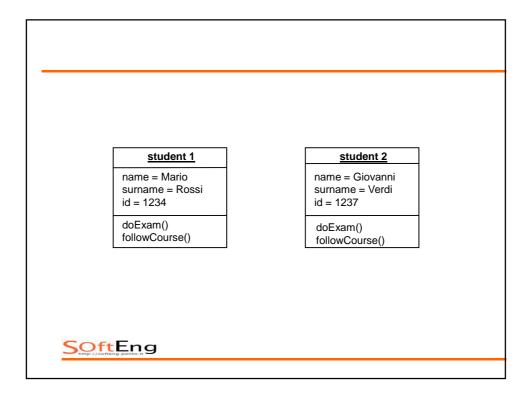


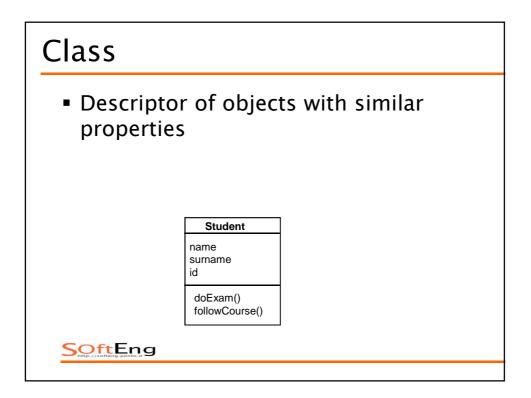


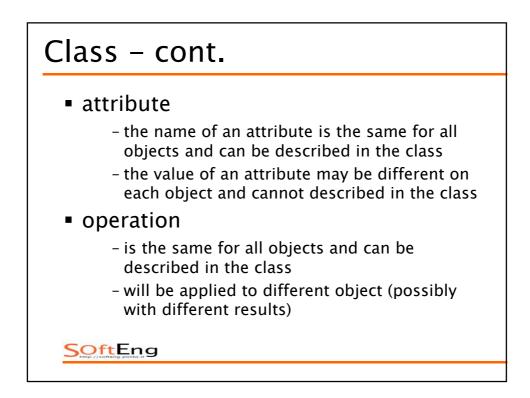


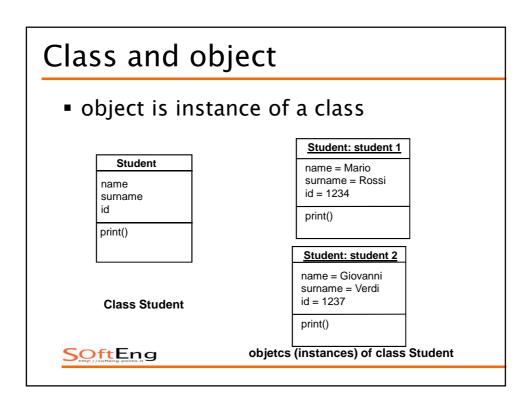


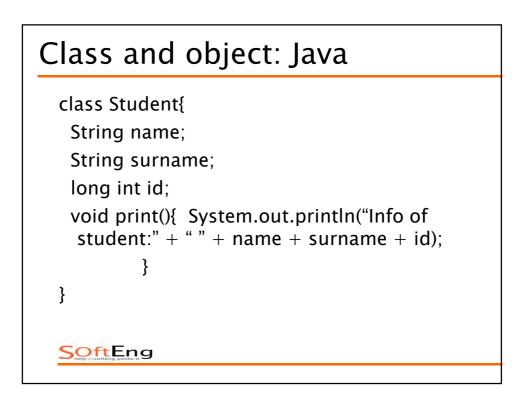
SoftEng





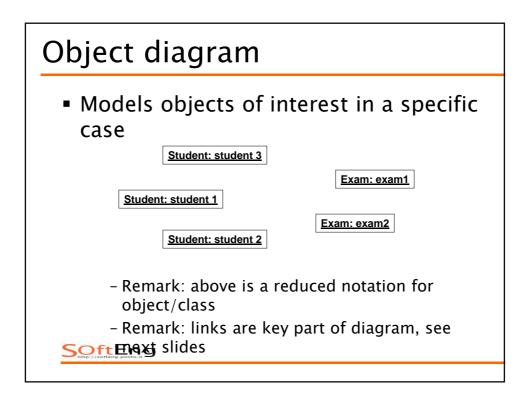




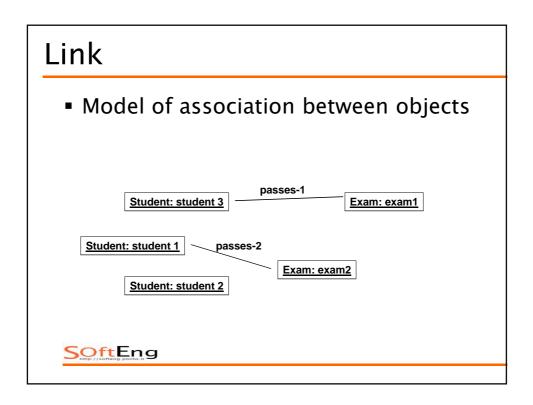


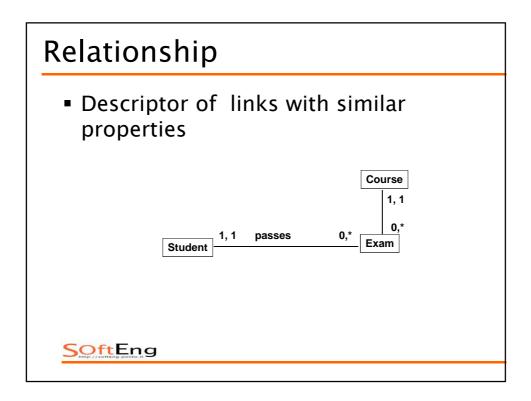
```
class Exam {
    int grade;
    Student s;
    void print(){
      System.out.println("Grade: " + grade);
    }
}
```

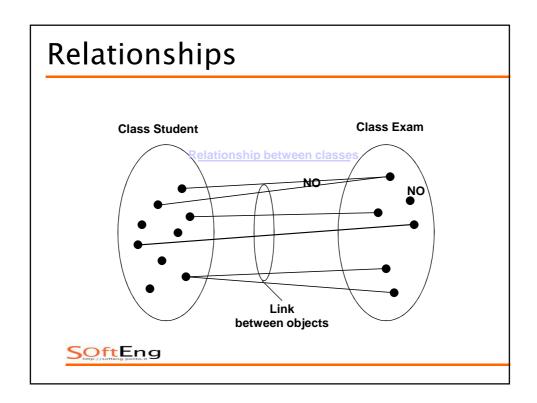
```
main(){
Student student1;
Student student2;
student1 = new Student("Mario", "Rossi",
1234);
student2 = new Student("Giuseppe", "Verdi",
1237);
student1.print();
student2.print();
}
```

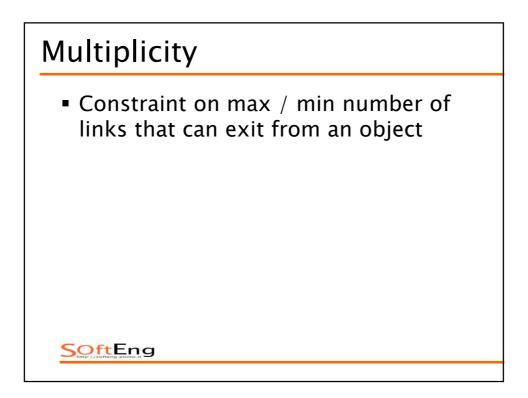


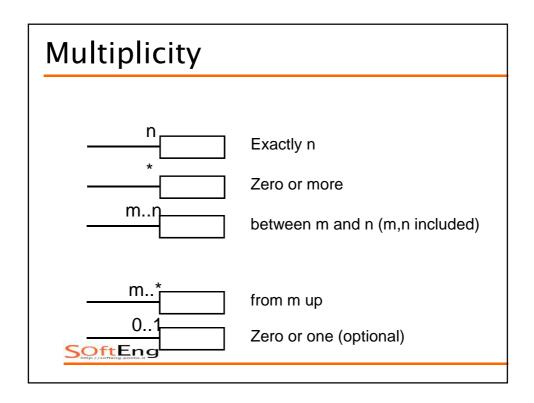
Class diagram		
 Models classes of interest in a specific case 		
Student		
- Remark: relationships are key part of this diagram, see next slides SoftEng		

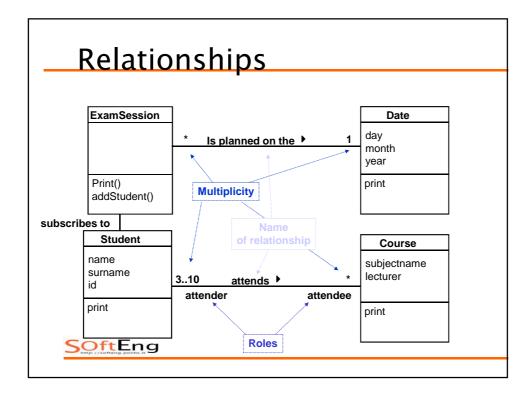


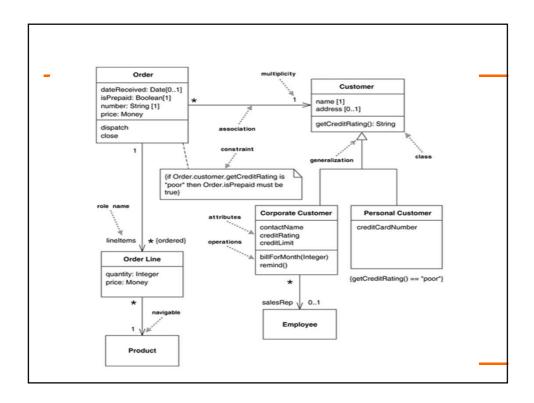


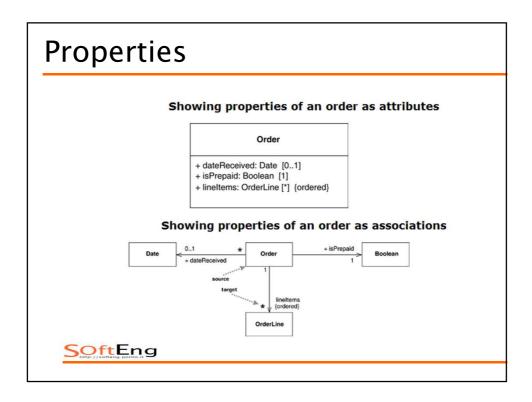


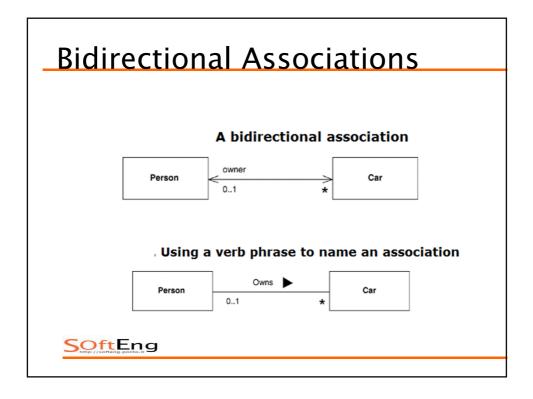


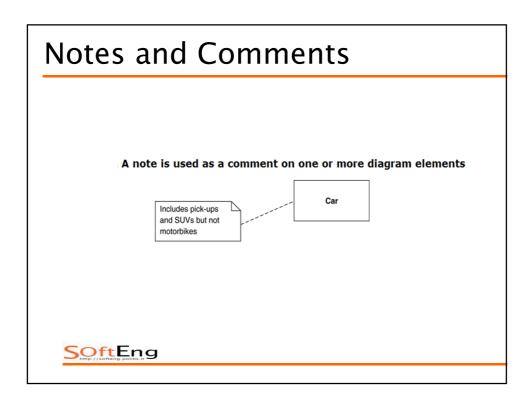


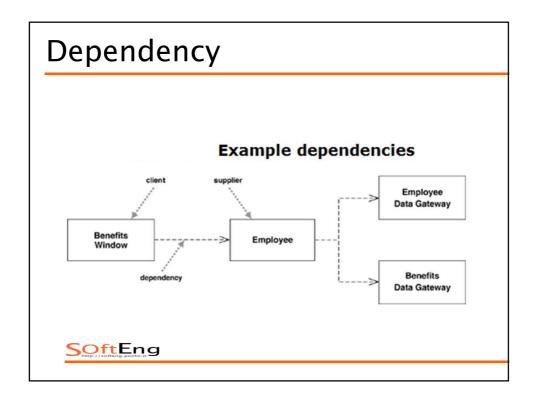


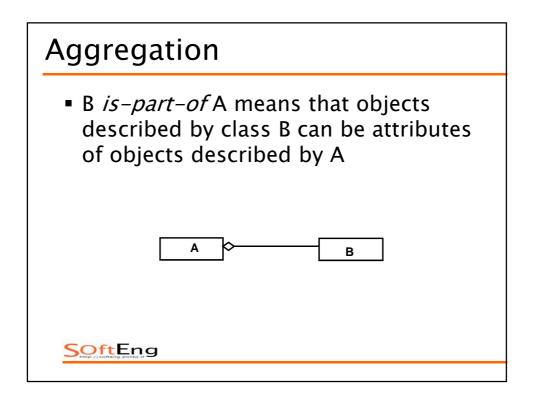


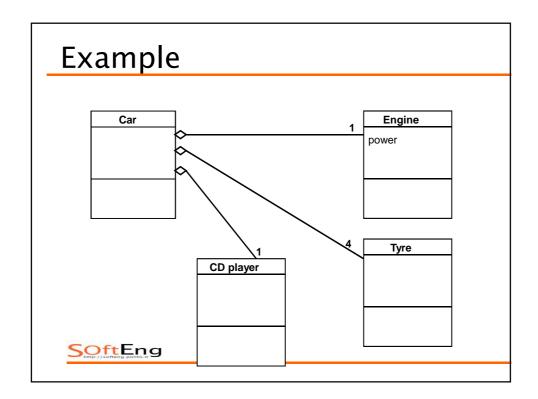


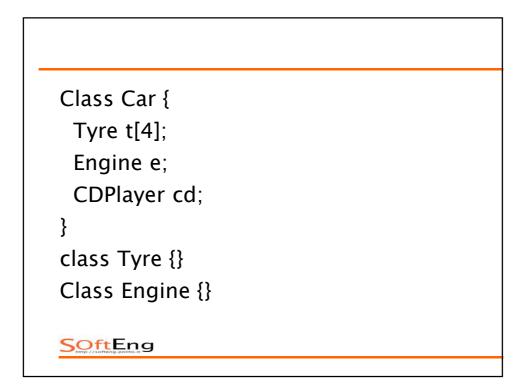


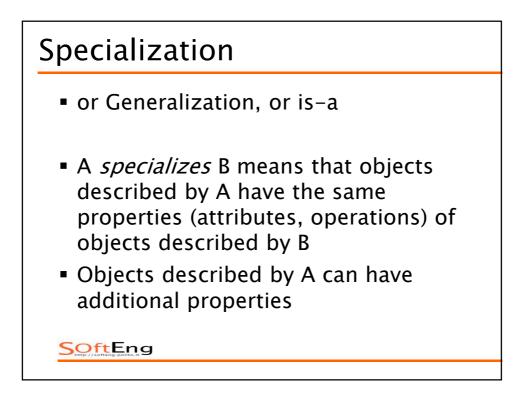


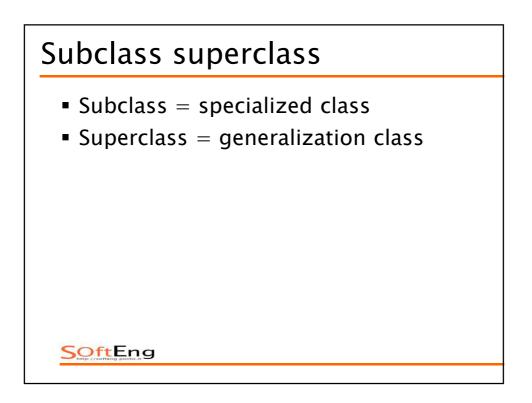


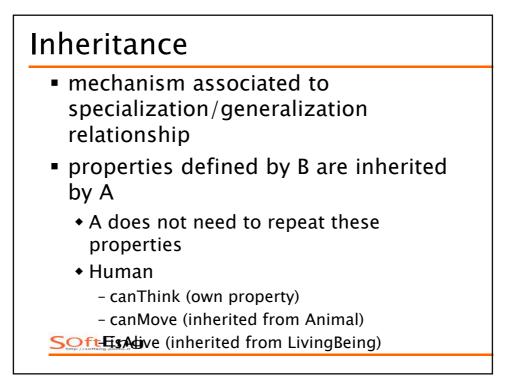


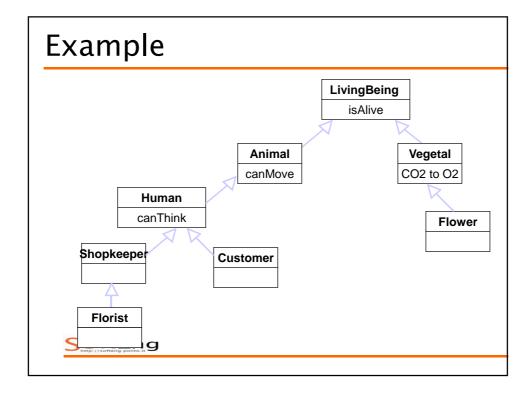


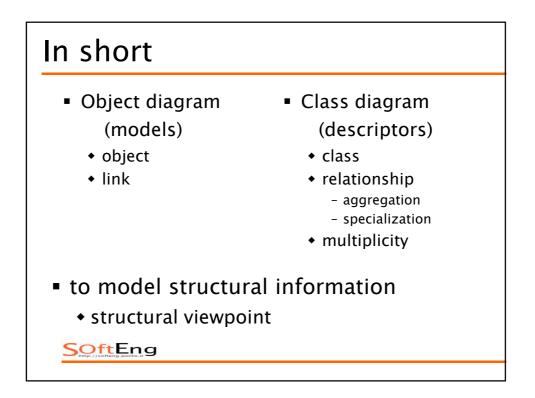


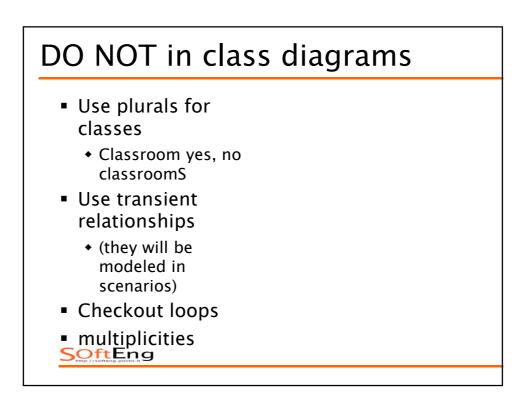


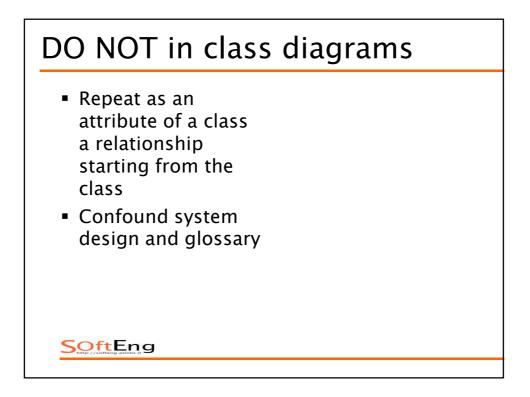


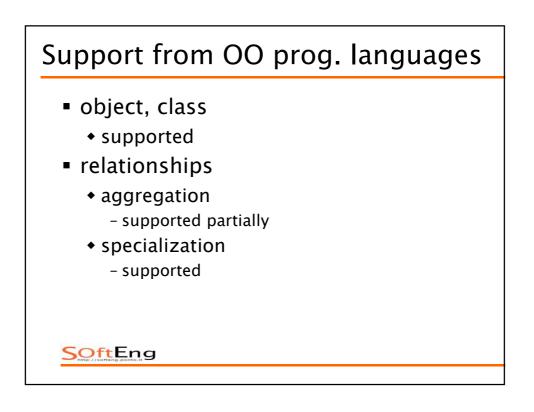


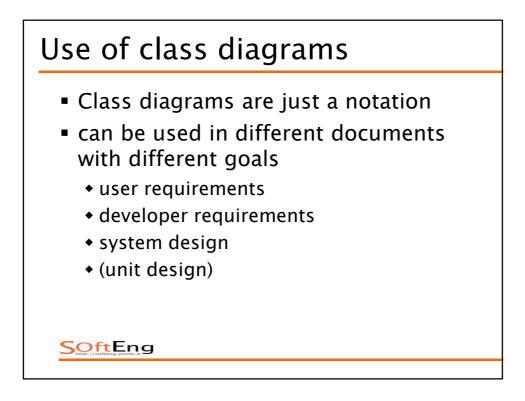


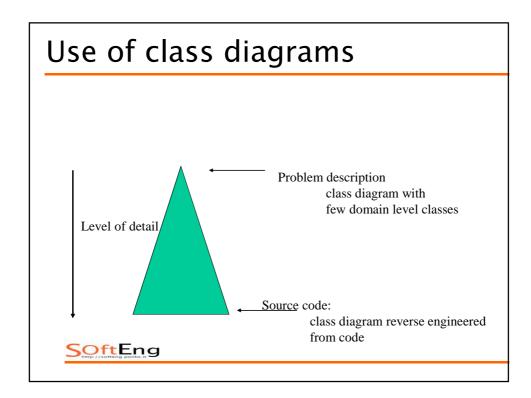


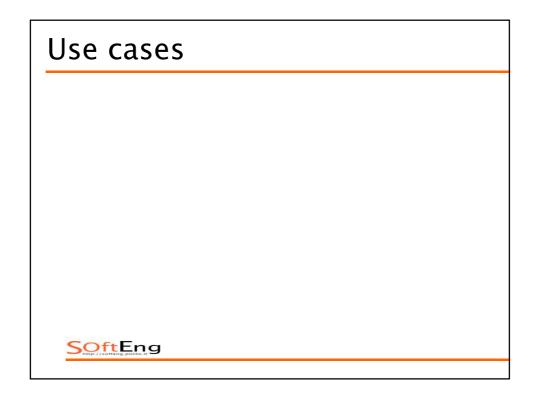


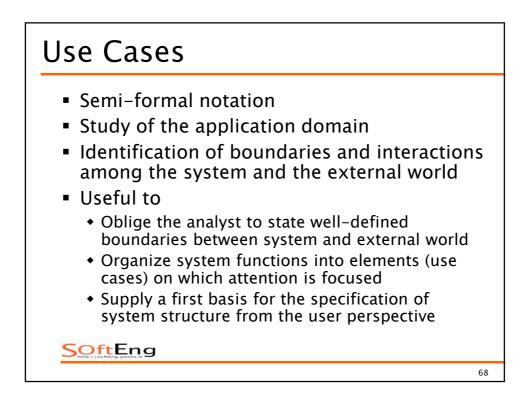


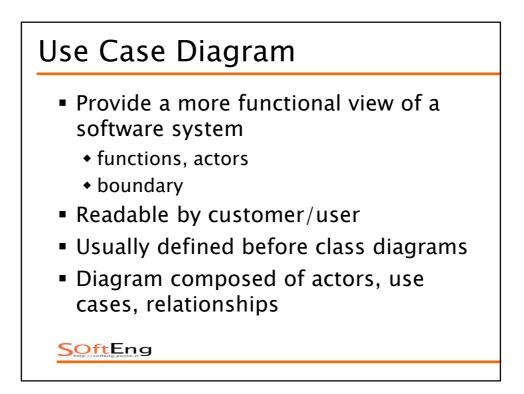


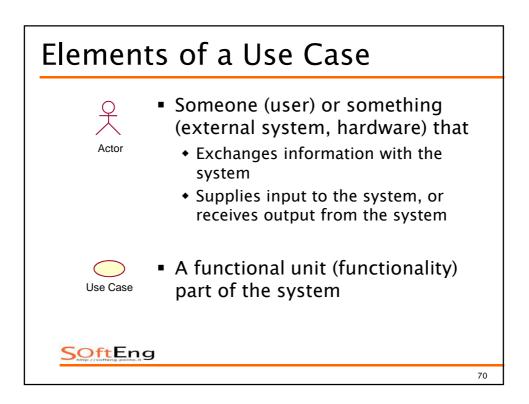


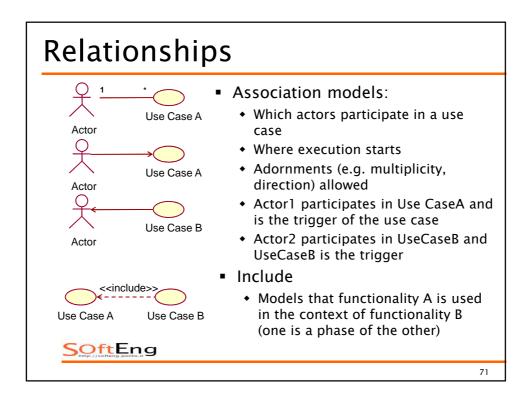


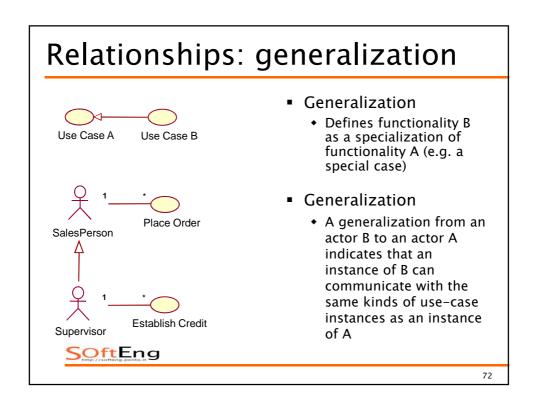


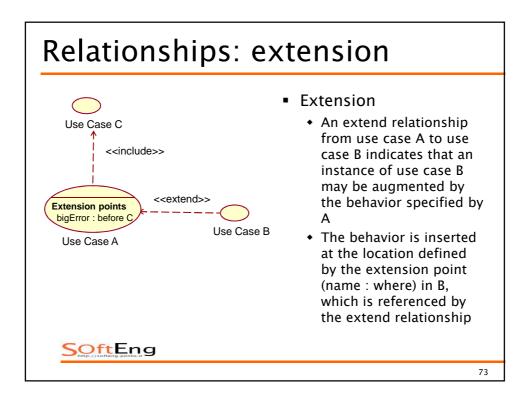


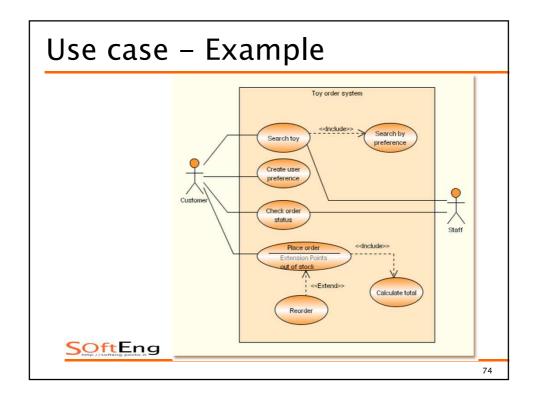


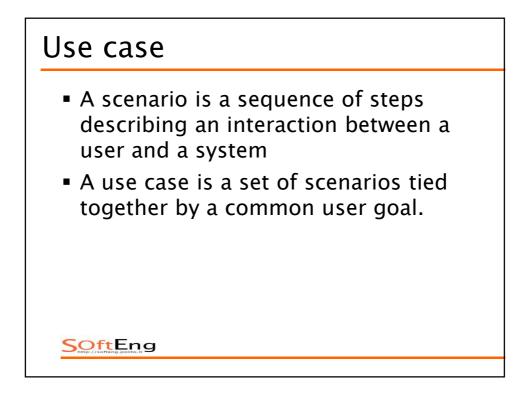


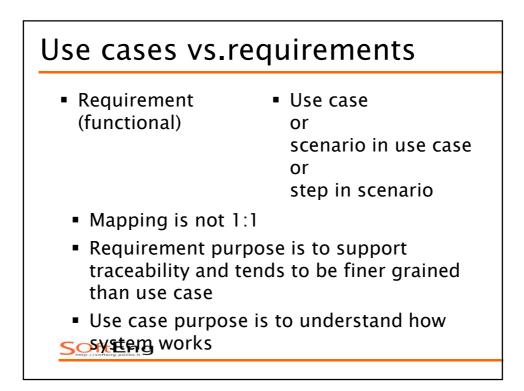


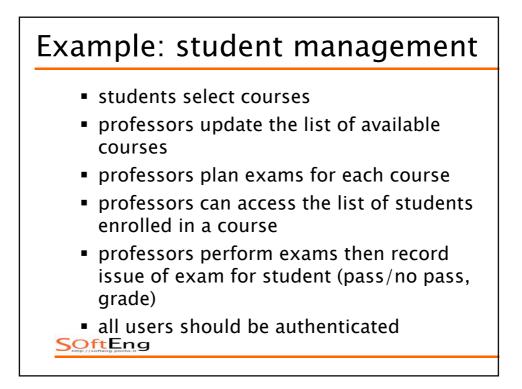


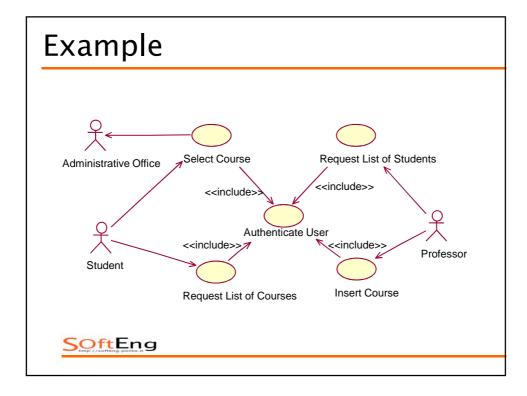


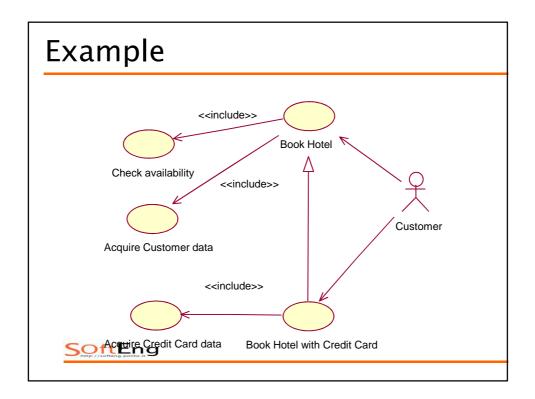


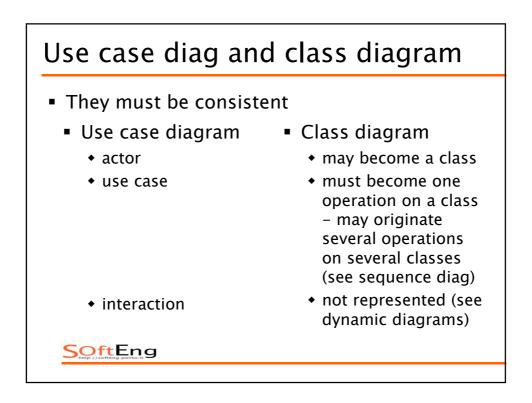


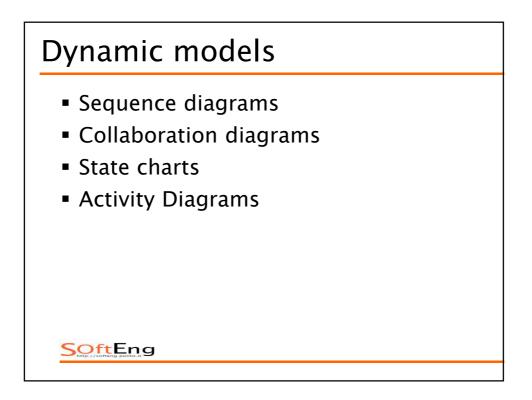


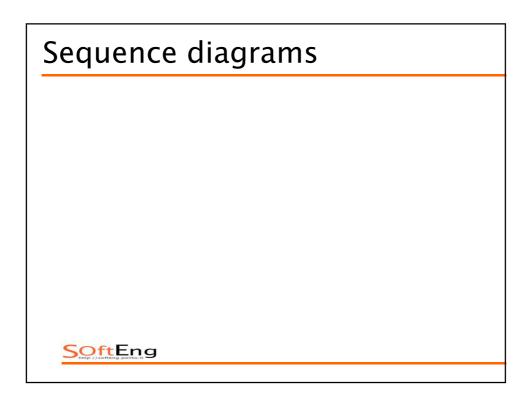


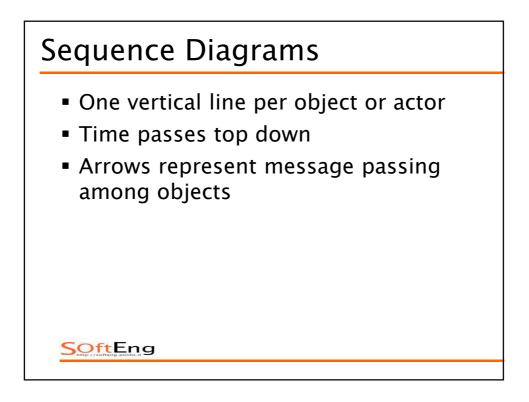


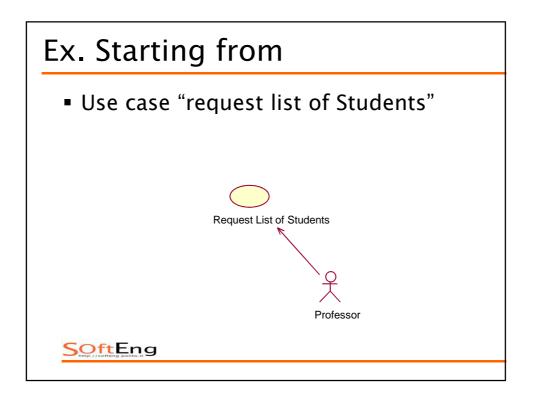


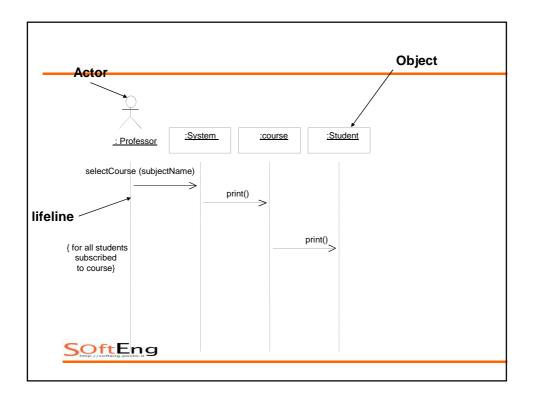


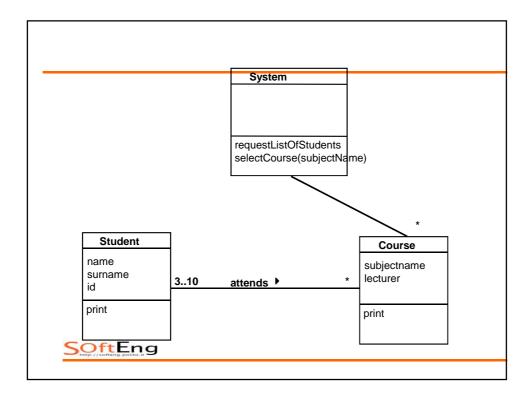


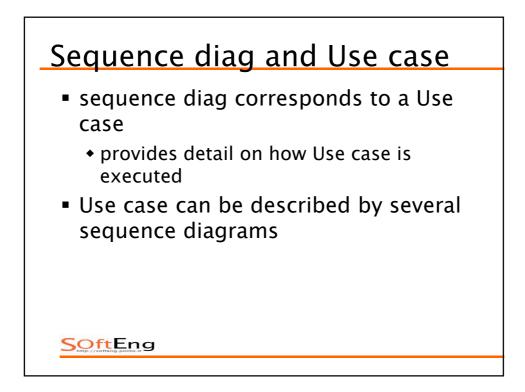


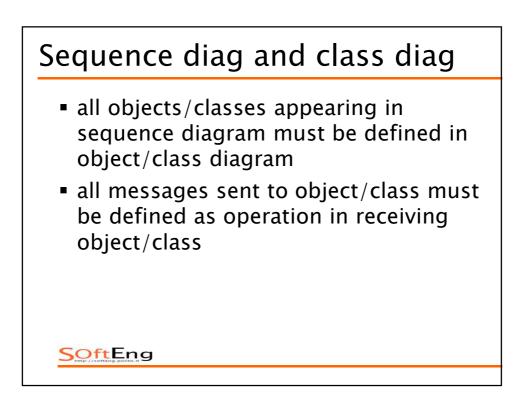


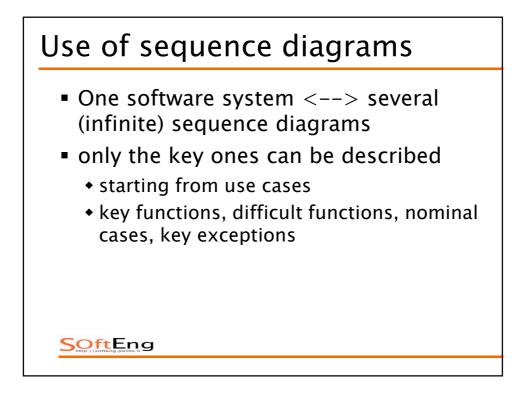


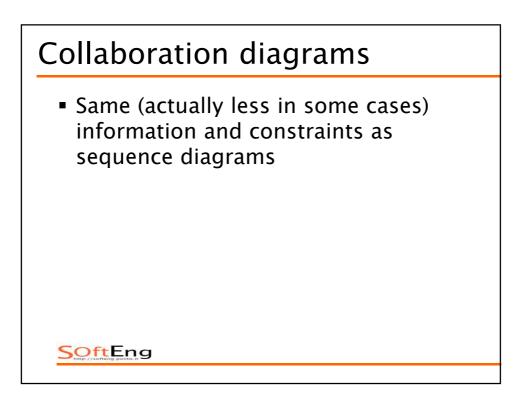


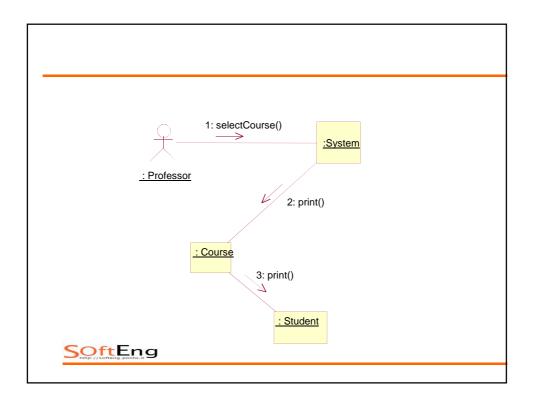


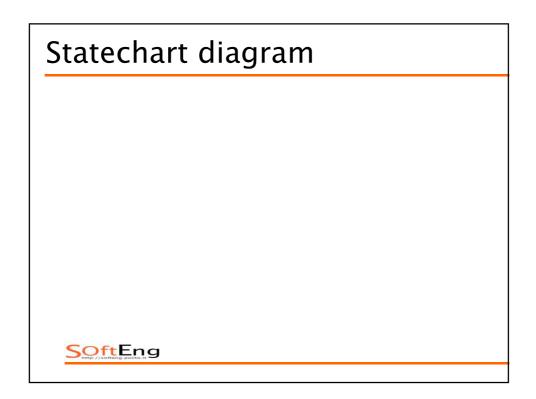


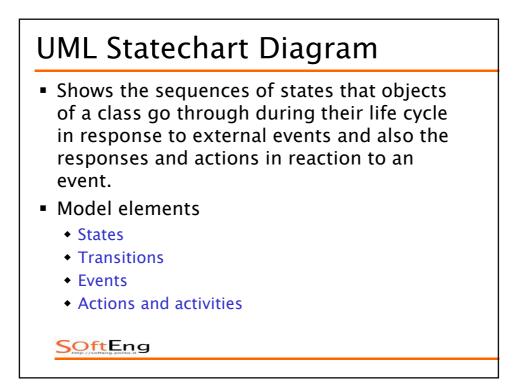


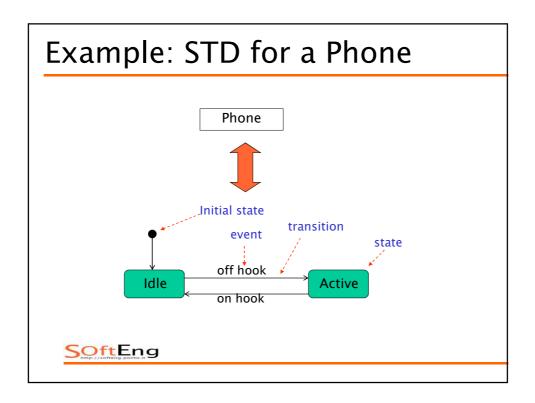


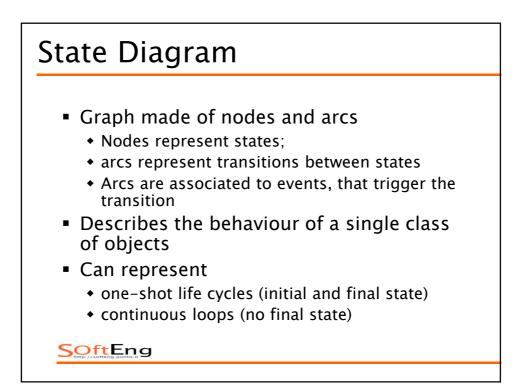


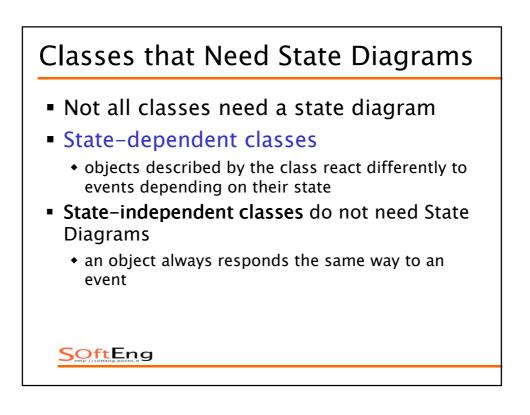


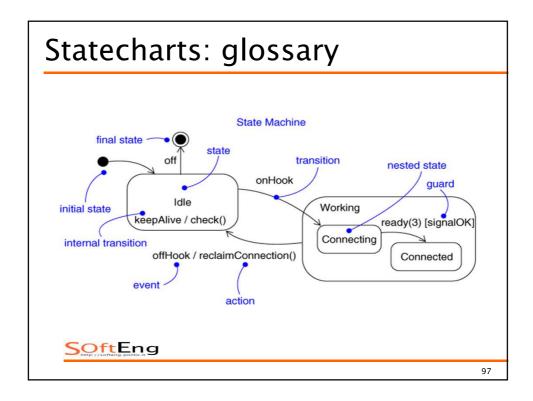


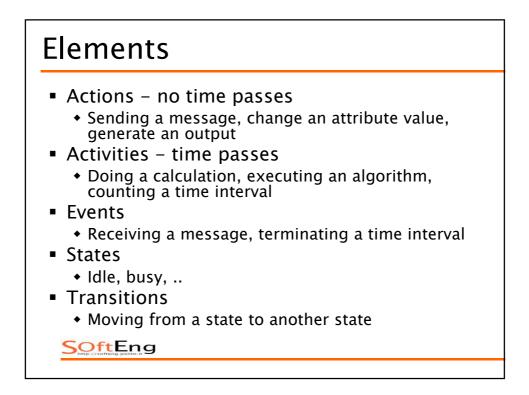


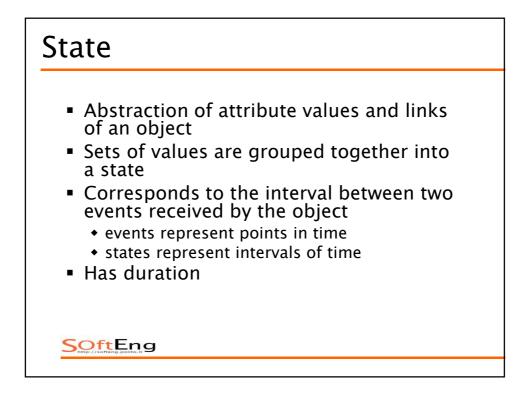


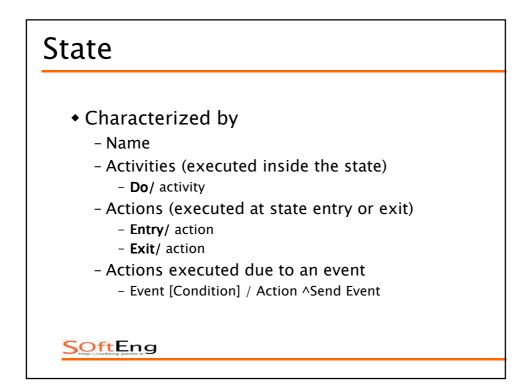


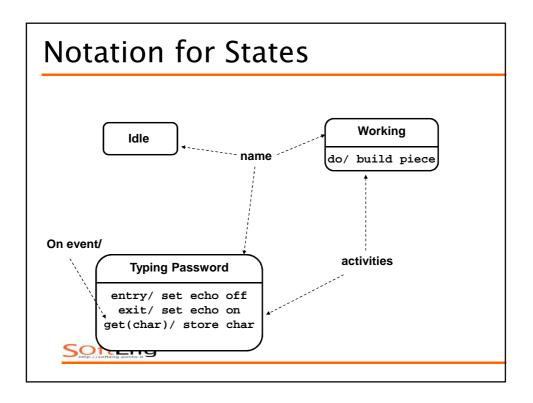


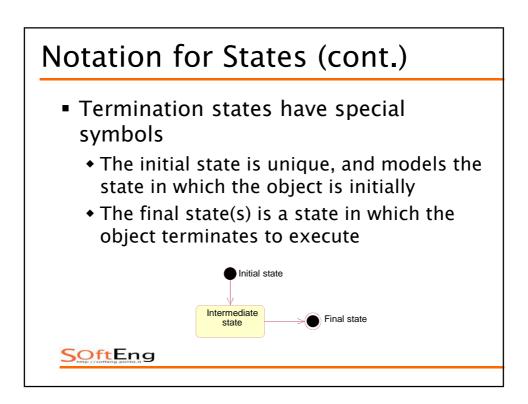


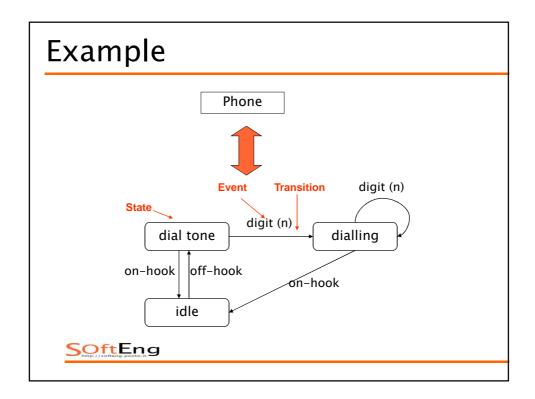


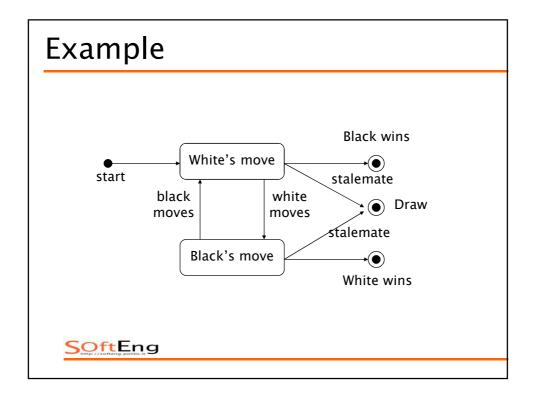


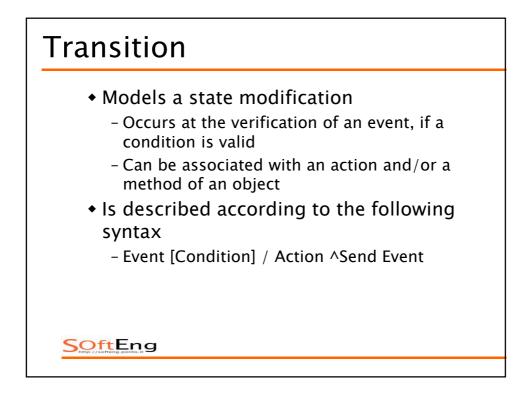


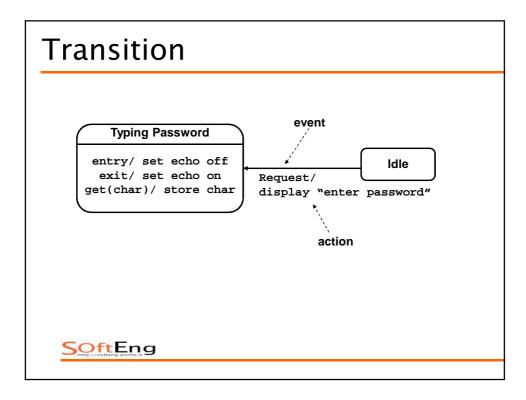


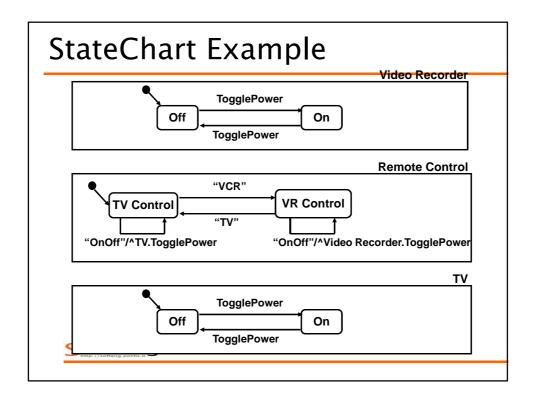


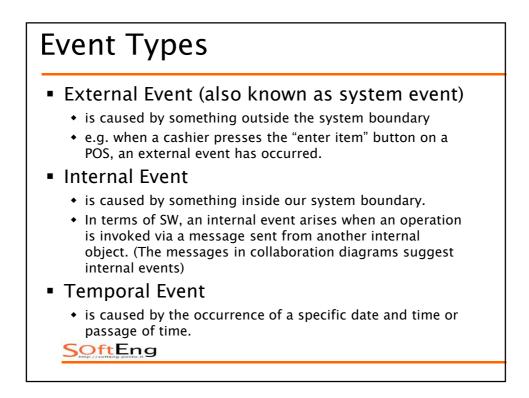


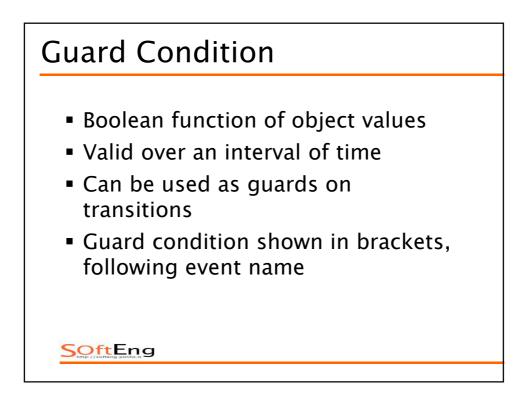


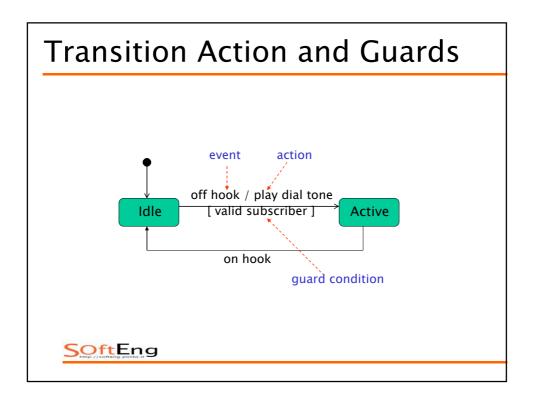


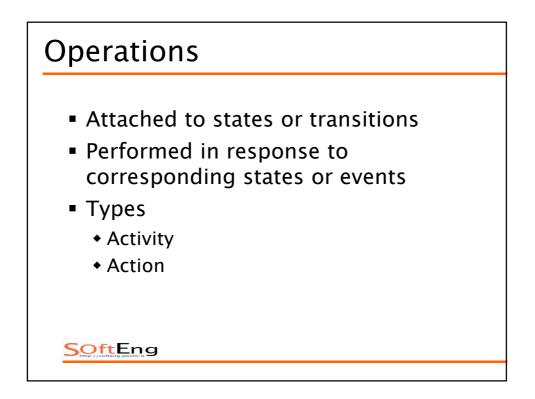


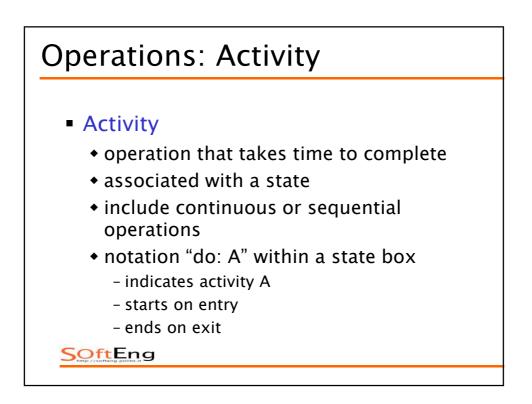


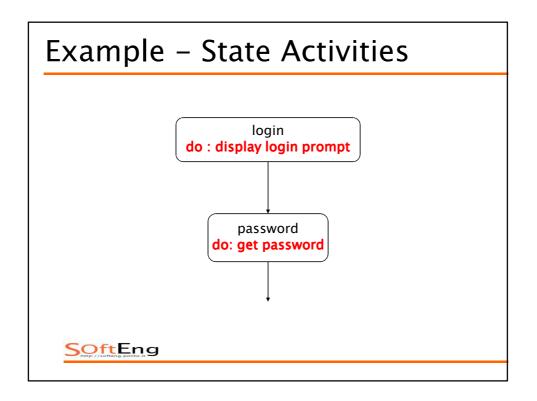


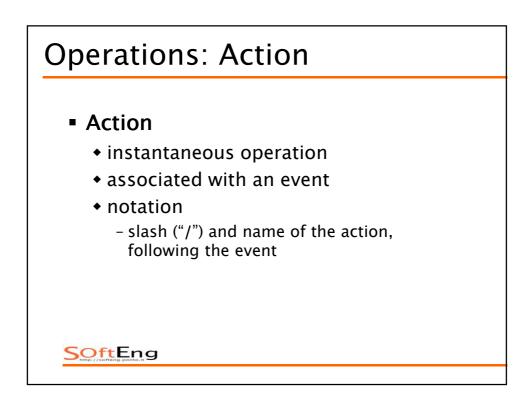


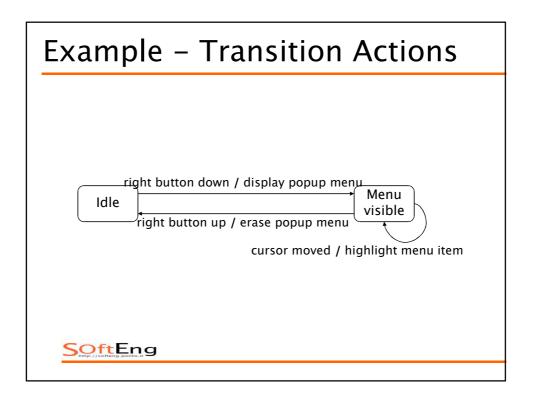


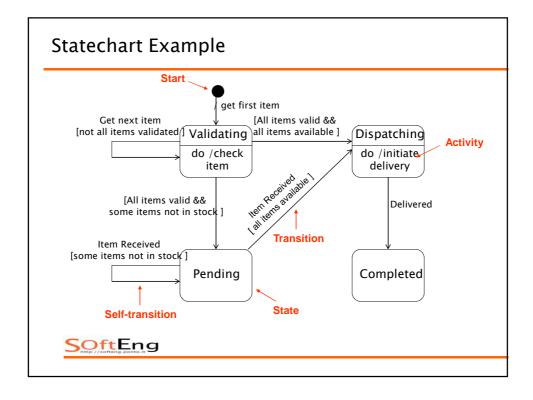


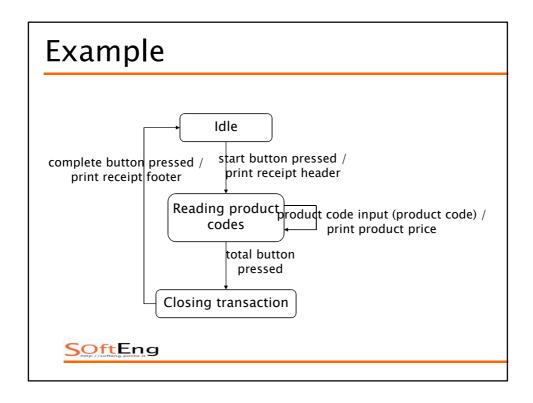


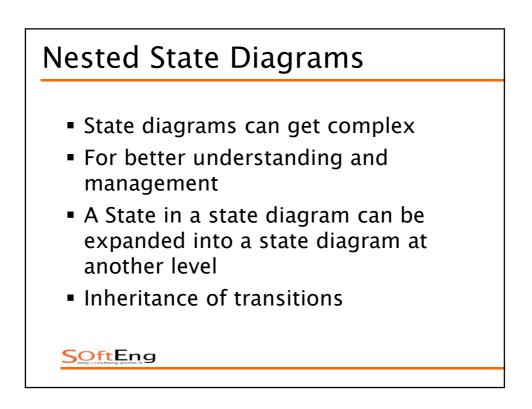


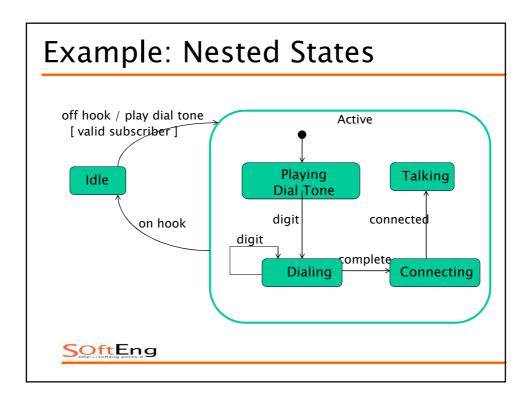


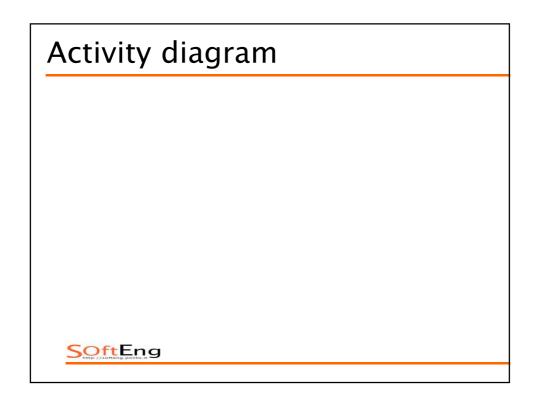


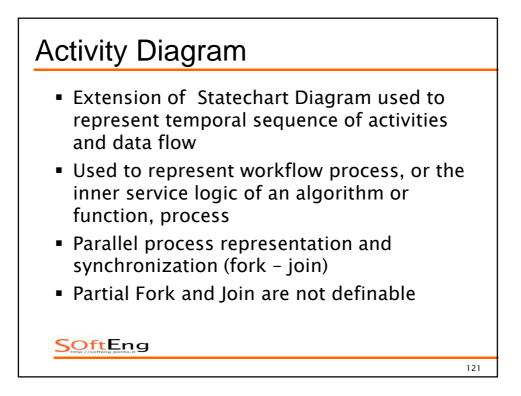


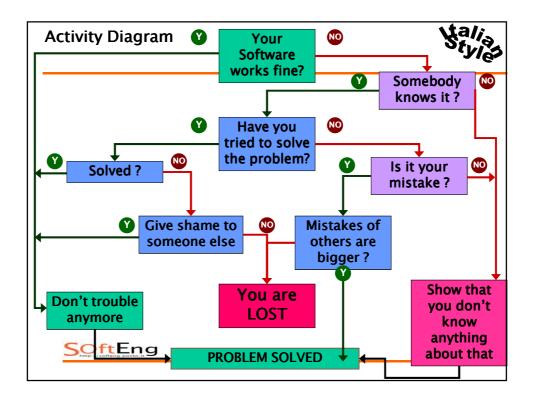


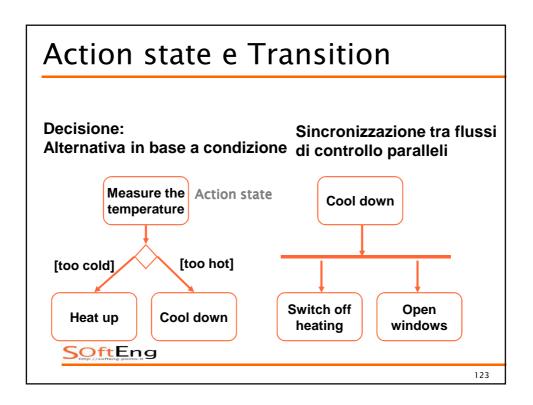


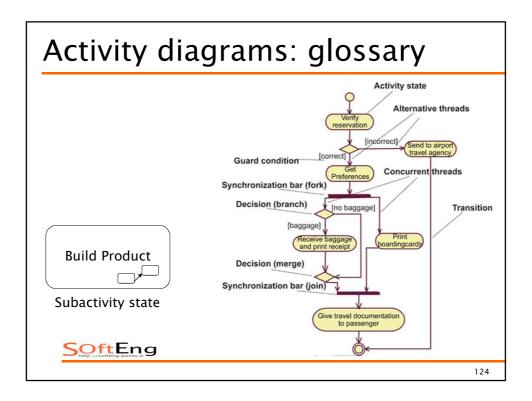


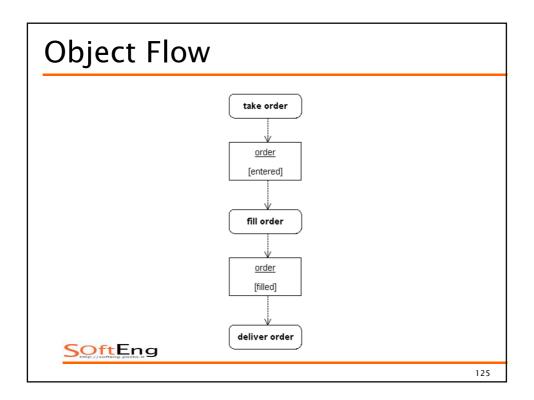


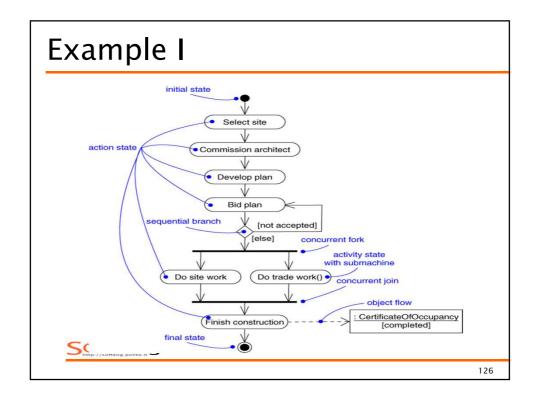


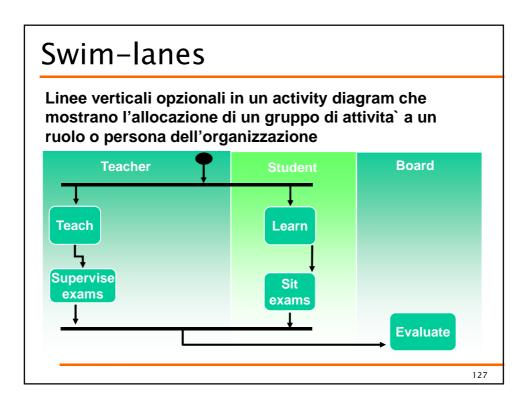


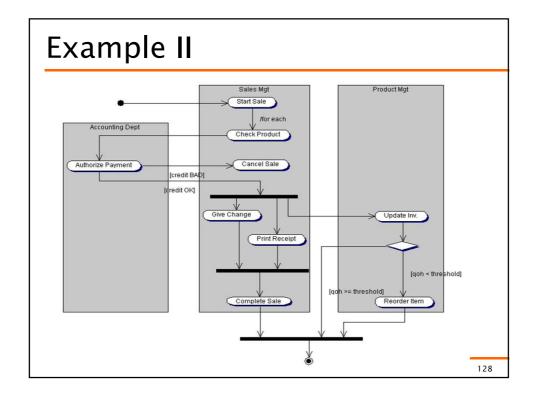


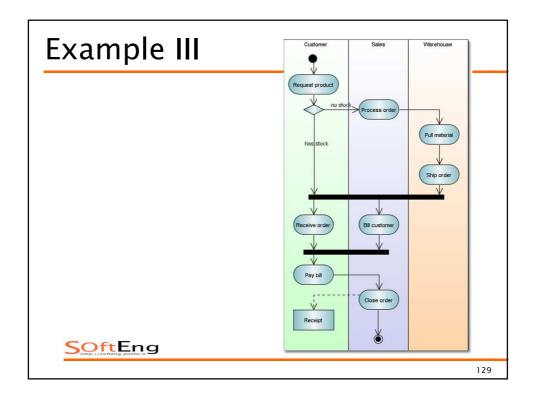


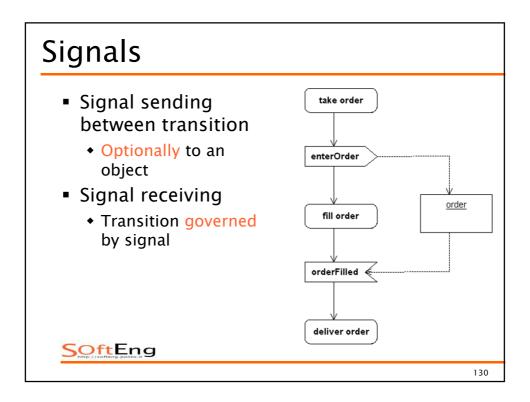


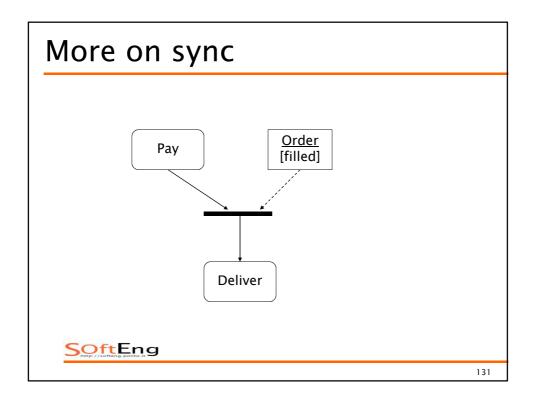


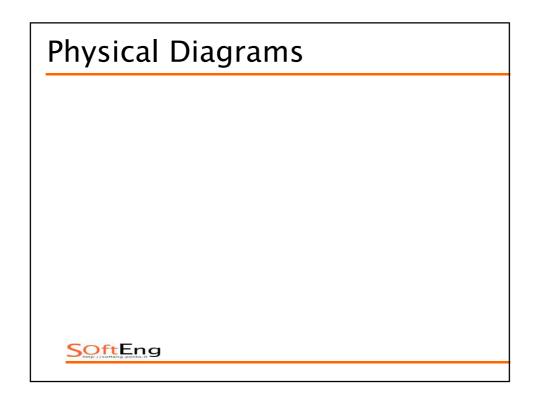


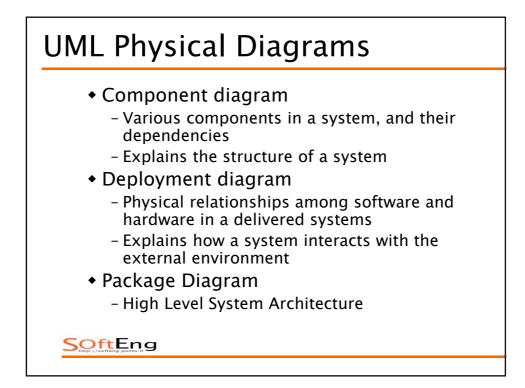


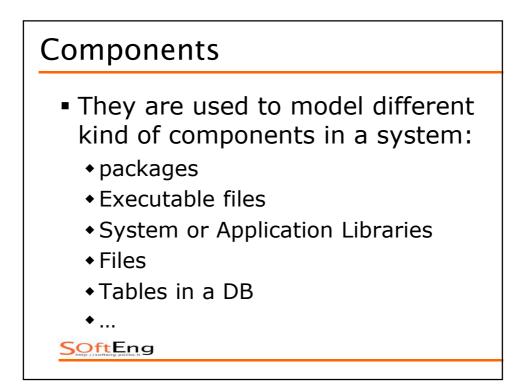


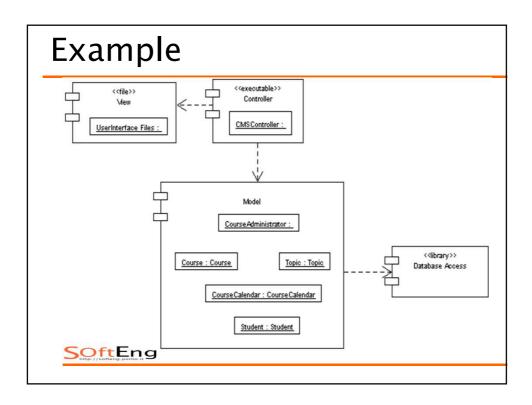


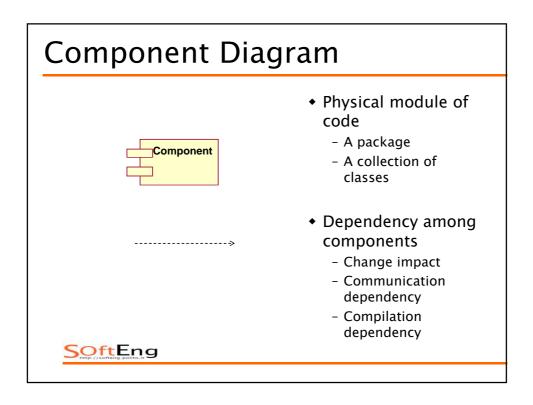


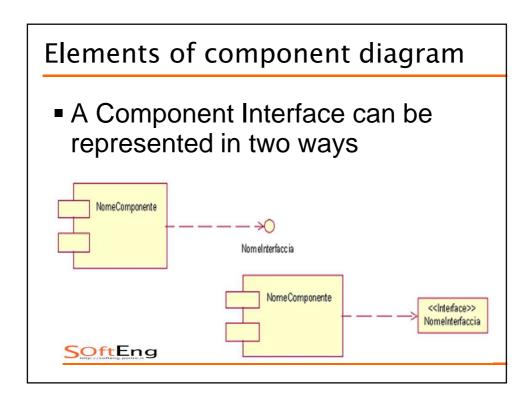


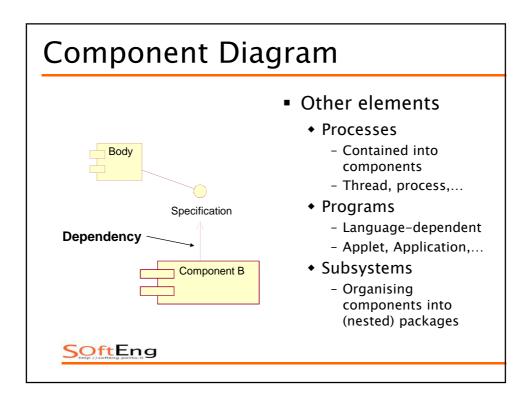


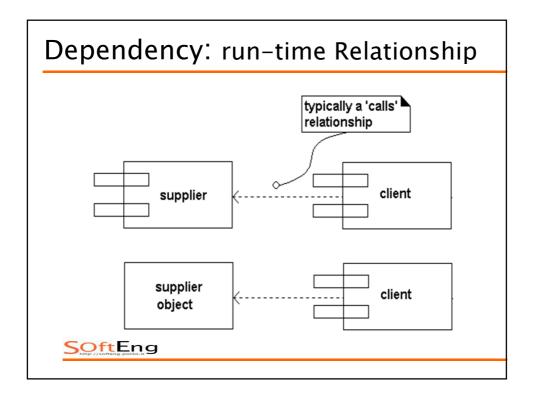


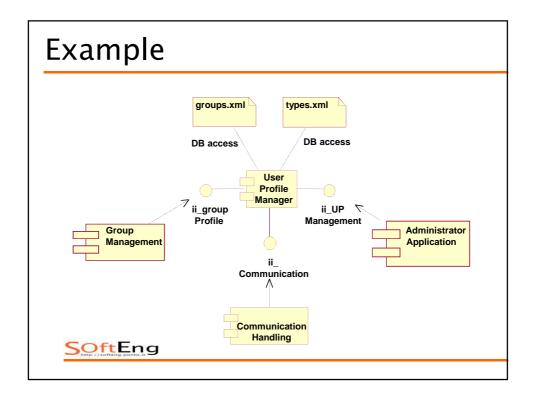


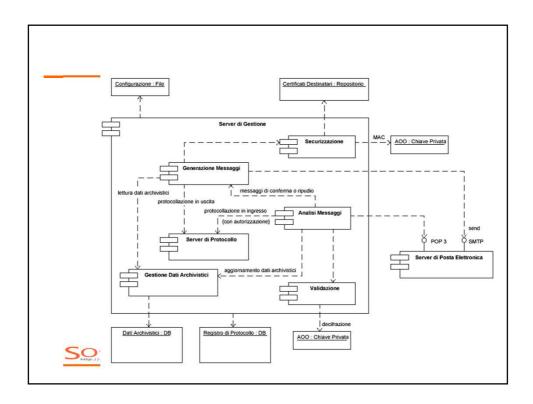


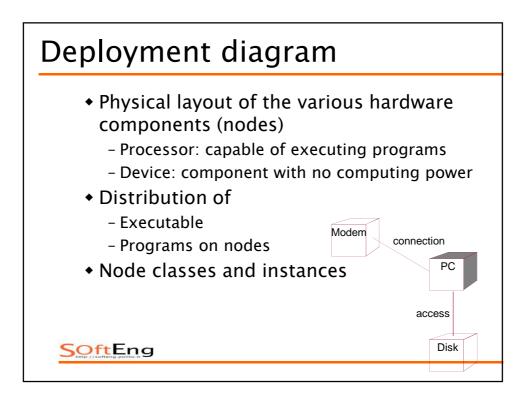


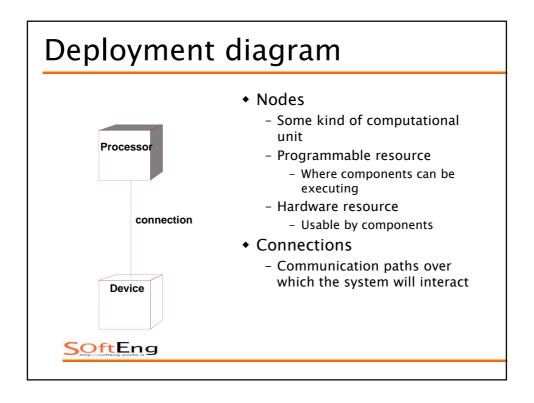


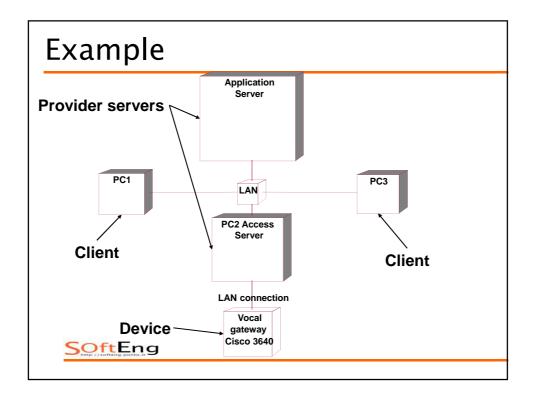


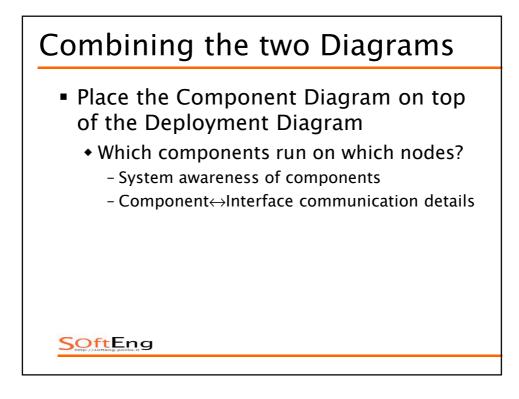


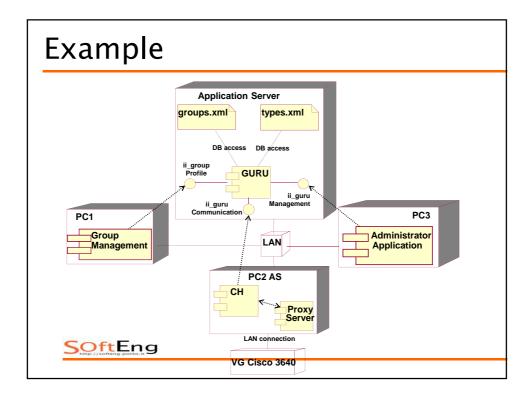


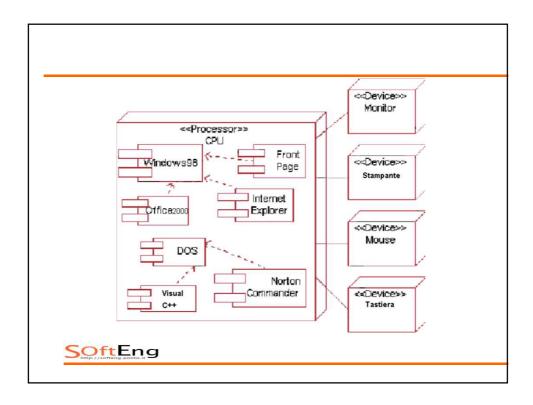


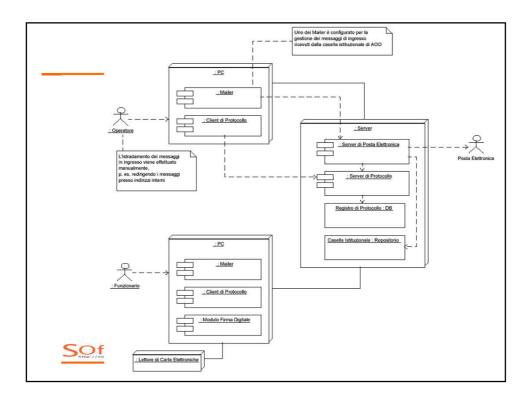


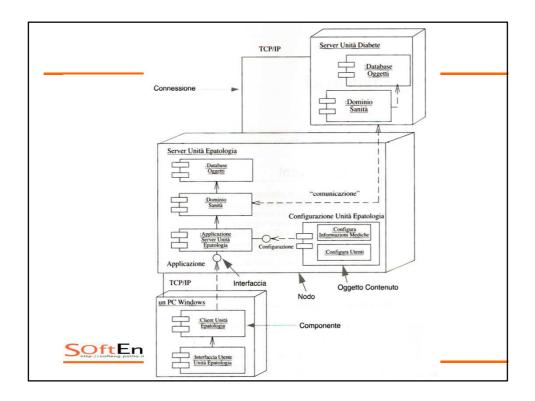


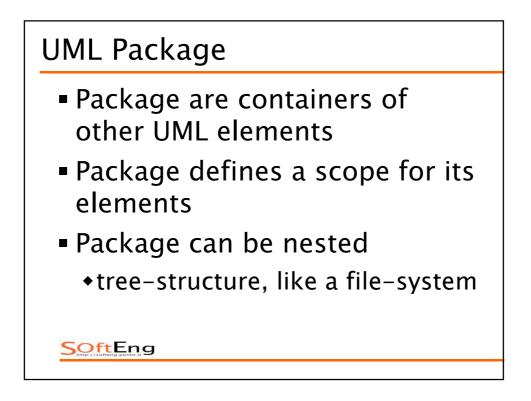


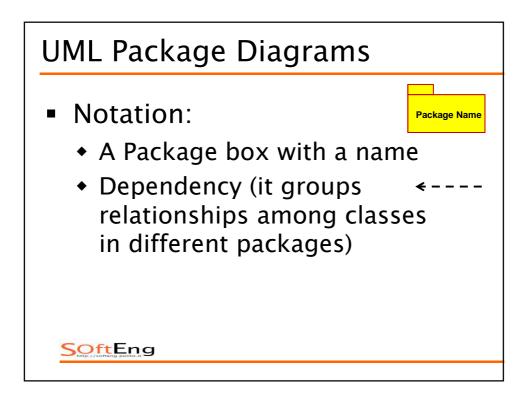


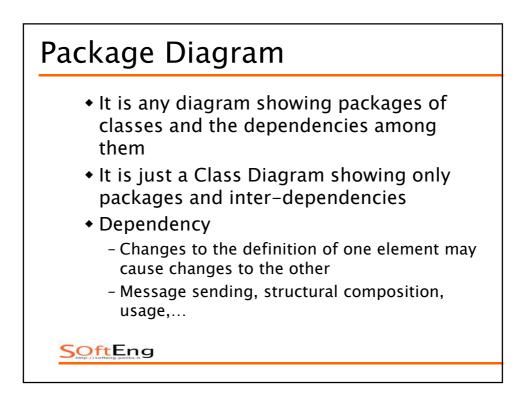


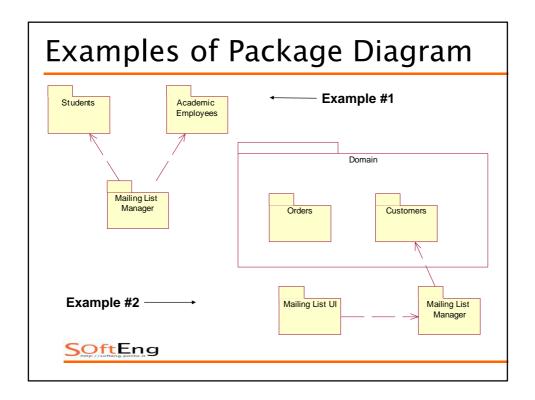


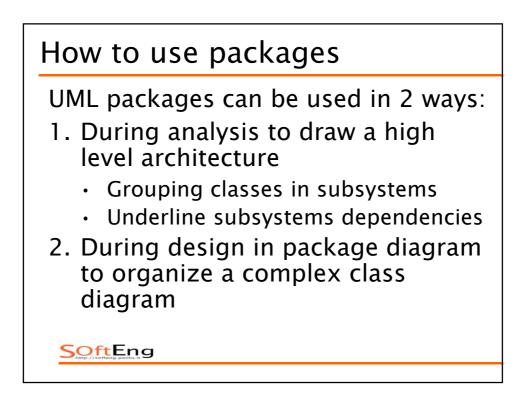


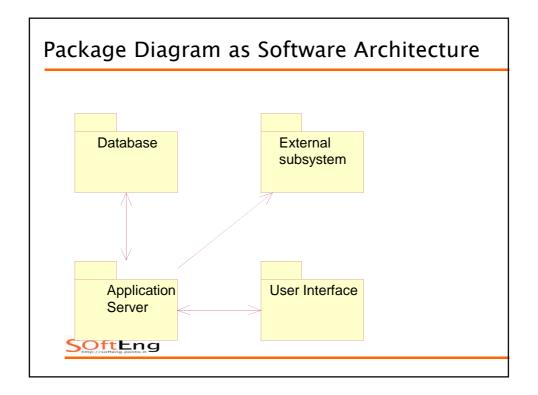


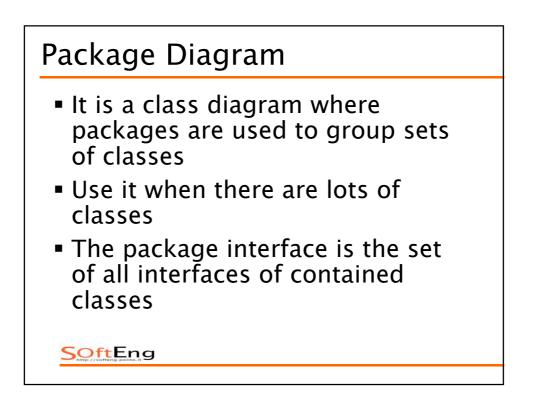


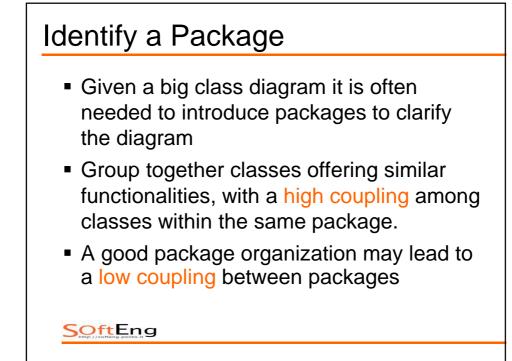


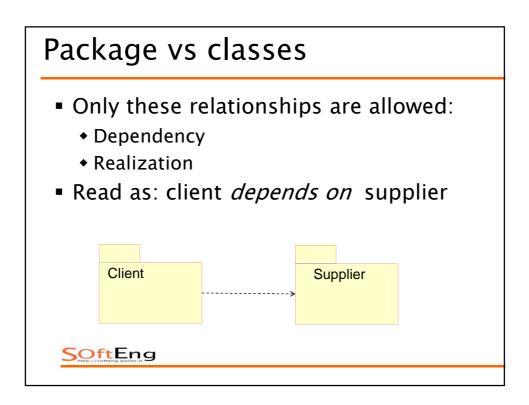


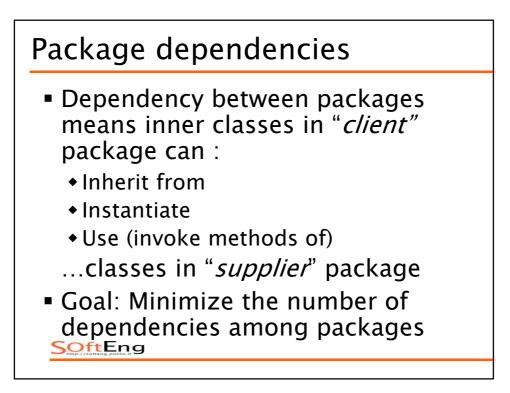


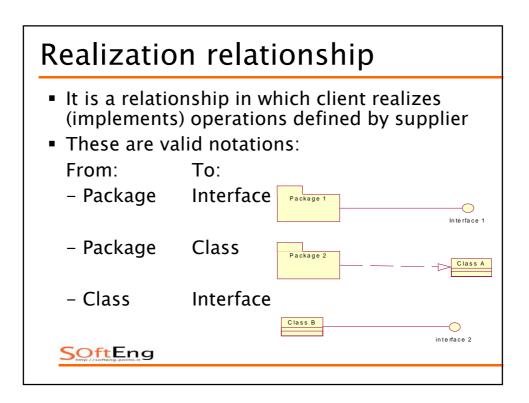


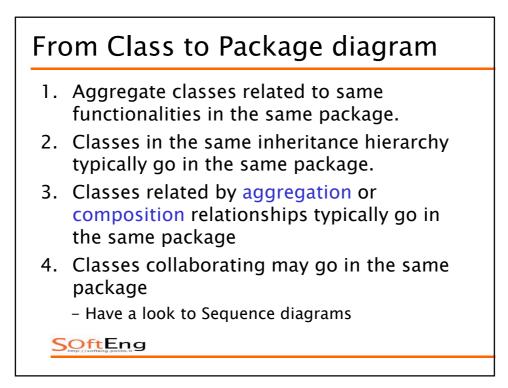


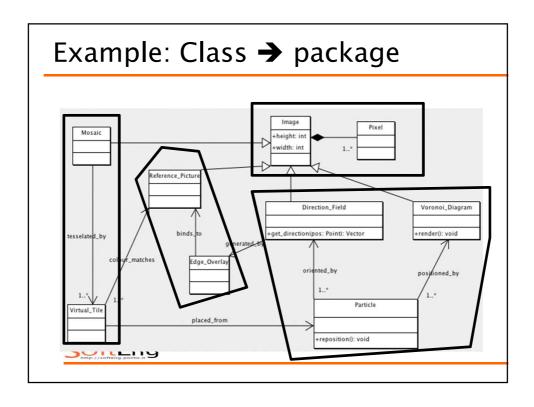


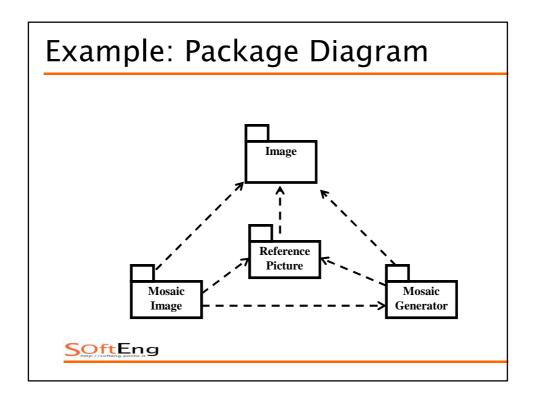


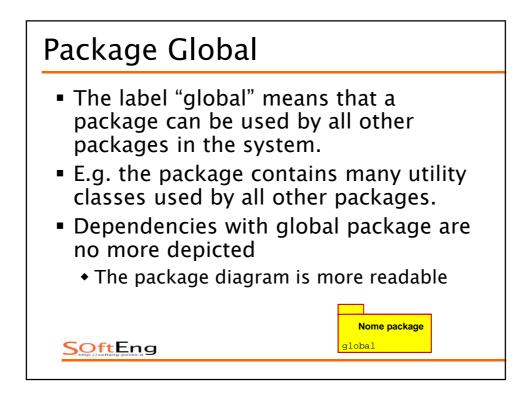


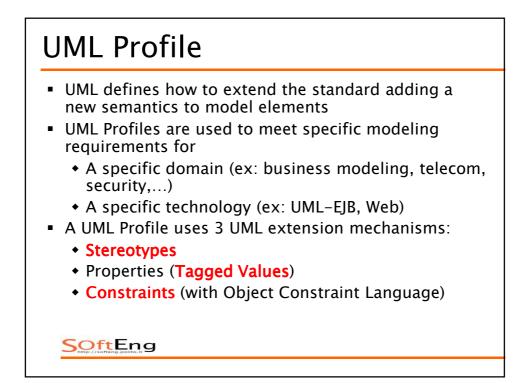


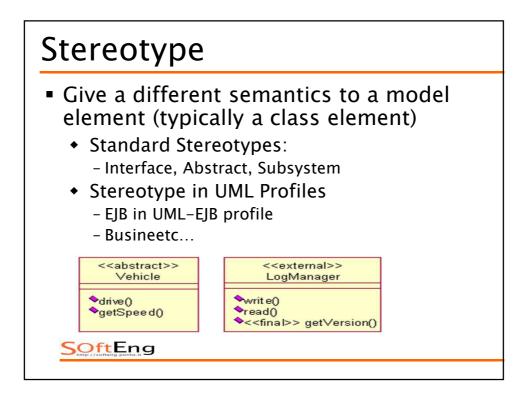


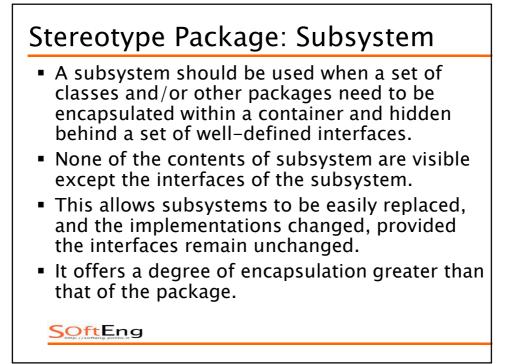


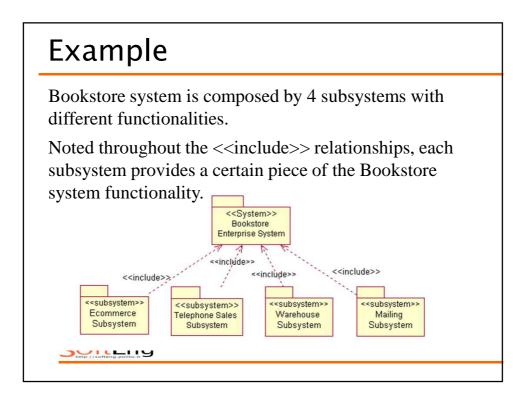


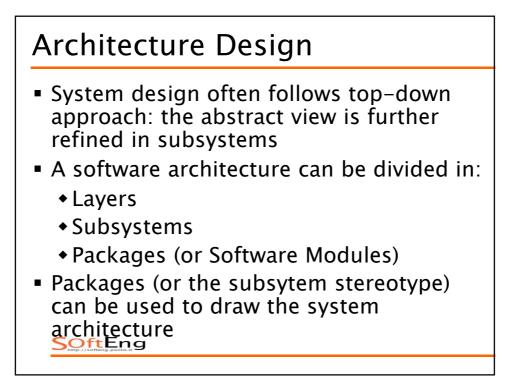


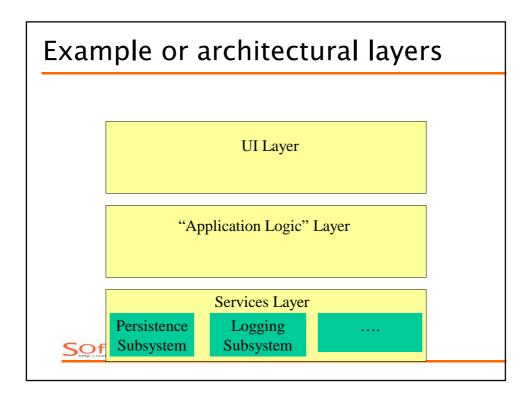


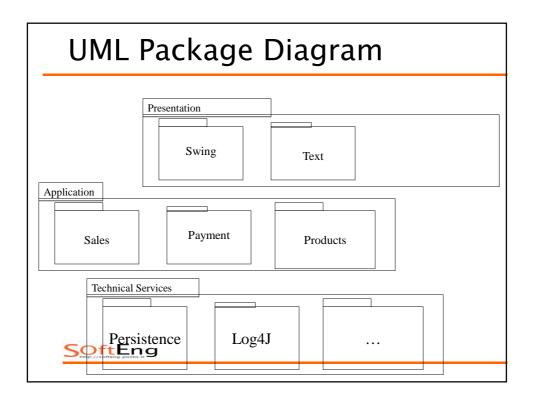


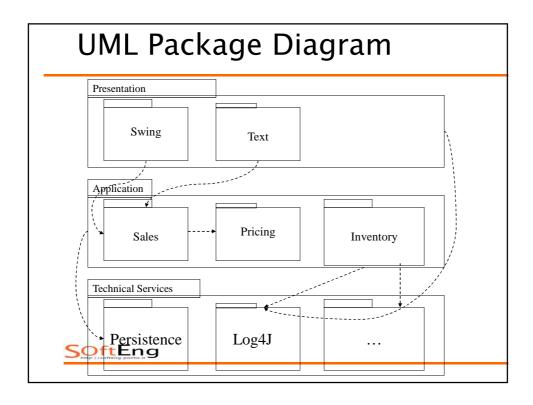


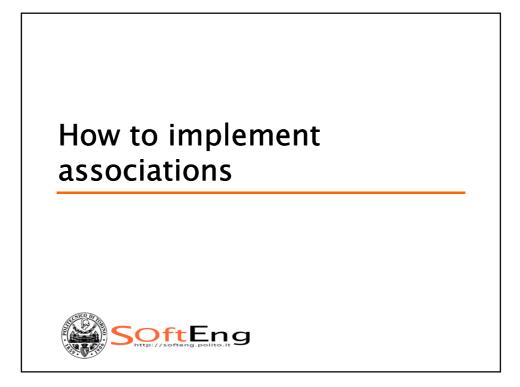


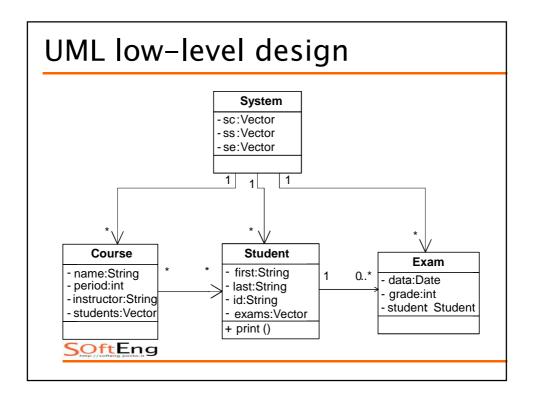


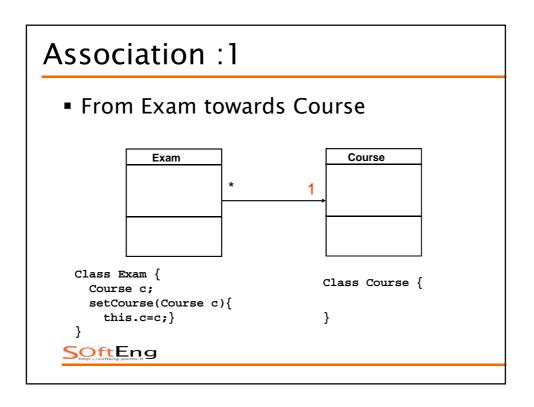


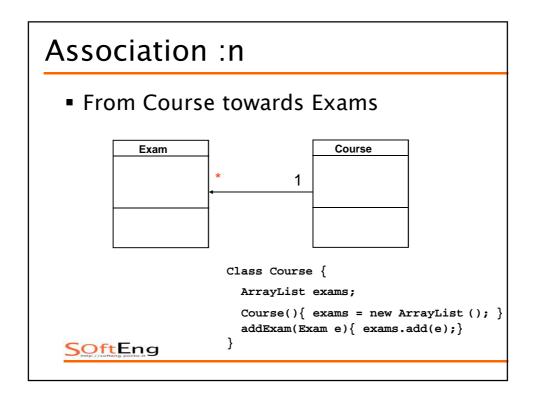


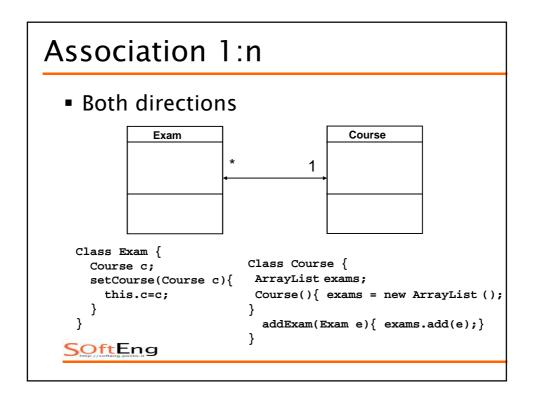


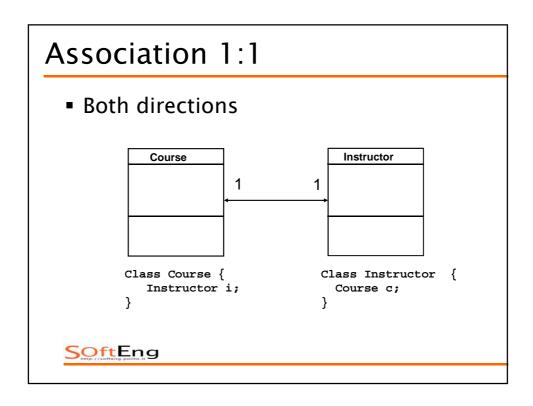


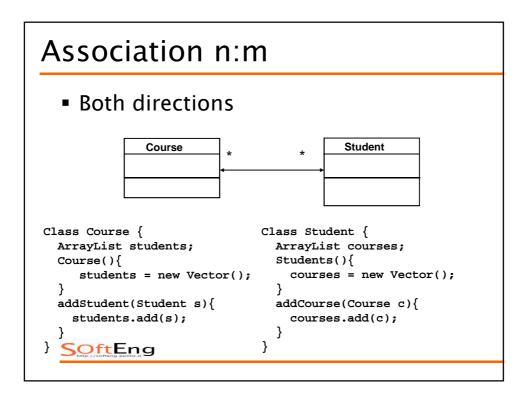


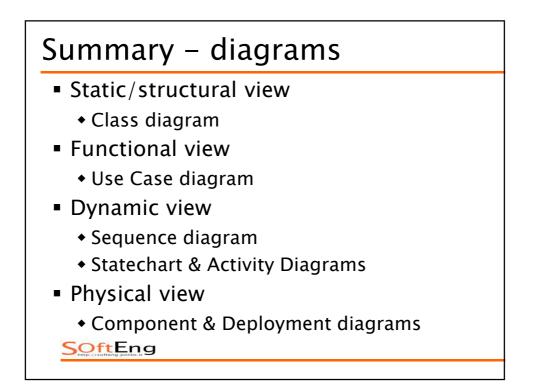












Uses of UML [Fowler]

- Sketch
 - Used informally to share/discuss ideas
 - On whiteboard/paper
 - Meant to change
- Blueprint
 - Used in normative way to describe system to be built
 - On documents
 - Meant not to change
- Programming language
 - Model driven architecture
 - Forward and backward automatic transformations

SoftEng.

