

These slides are for use with

Database Systems

Concepts, Languages and Architectures

Paolo Atzeni • Stefano Ceri • Stefano Paraboschi • Riccardo Torlone
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Concepts,
Languages
and
Architectures

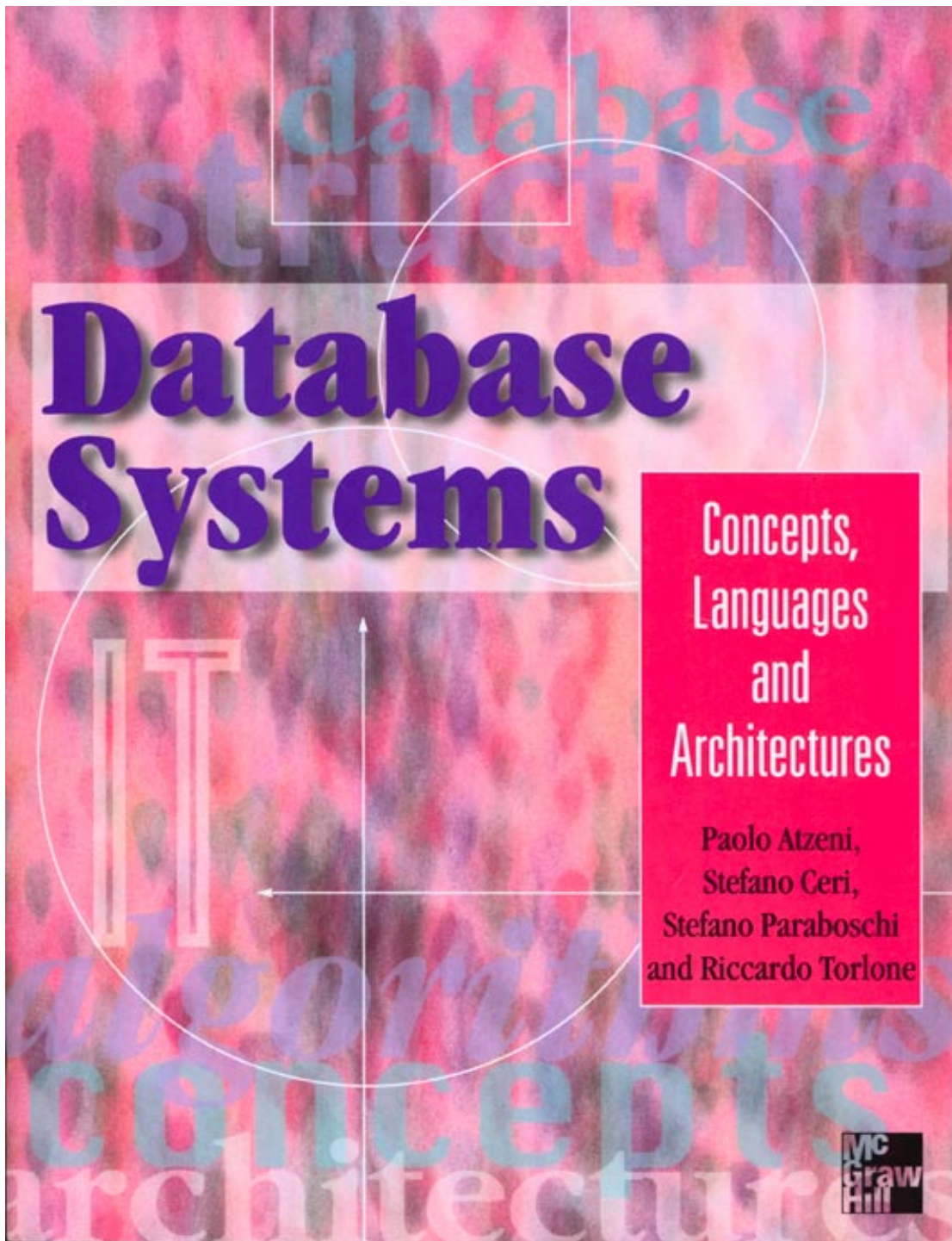
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To view these slides on-screen or with a projector use the arrow keys to move to the next or previous slide. The return or enter key will also take you to the next slide. Note you can press the 'escape' key to reveal the menu bar and then use the standard Acrobat controls — including the magnifying glass to zoom in on details.

To print these slides on acetates for projection use the escape key to reveal the menu and choose 'print' from the 'file' menu. If the slides are too large for your printer then select 'shrink to fit' in the print dialogue box.

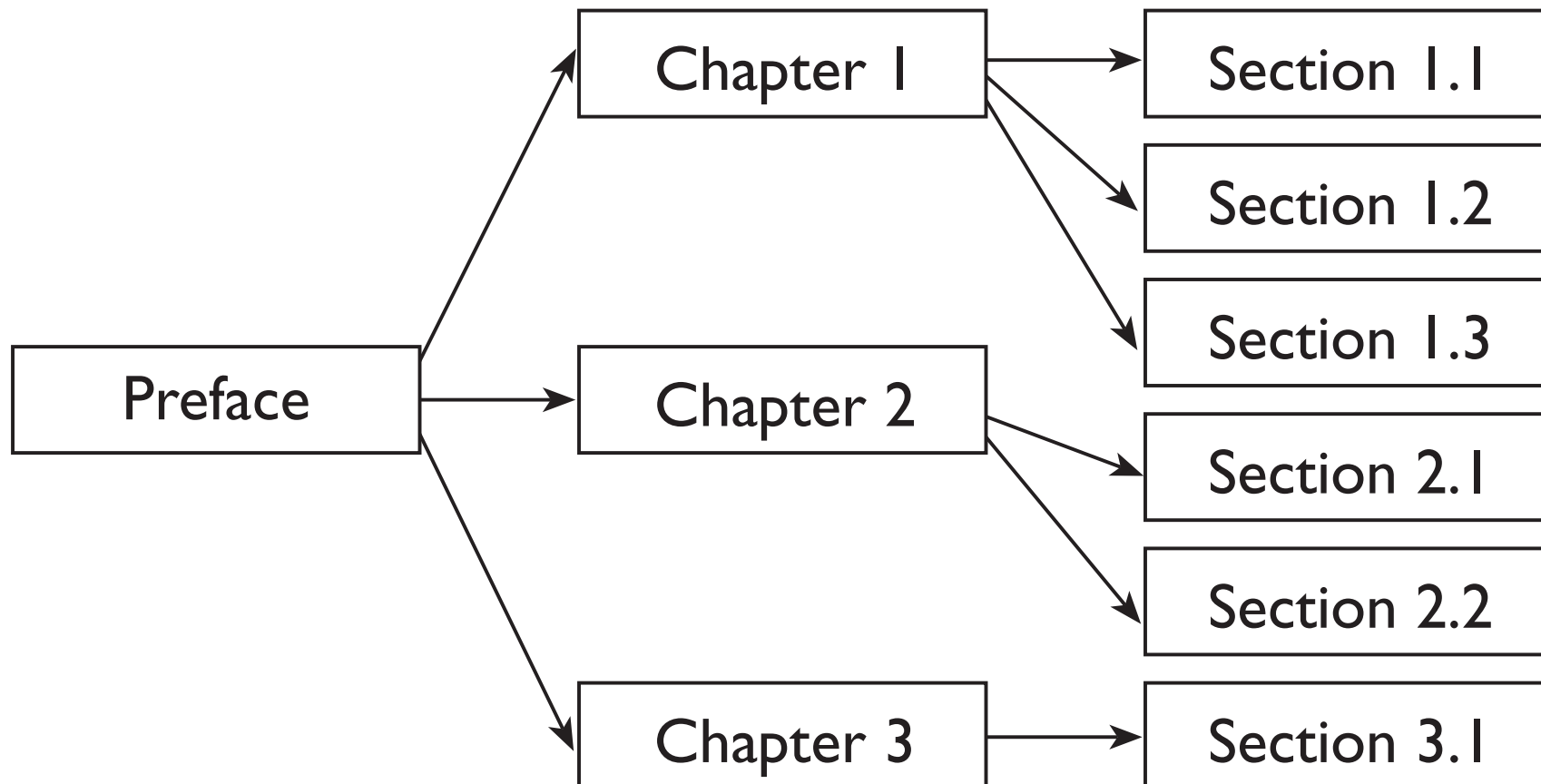
Press the 'return' or 'enter' key to continue . . .



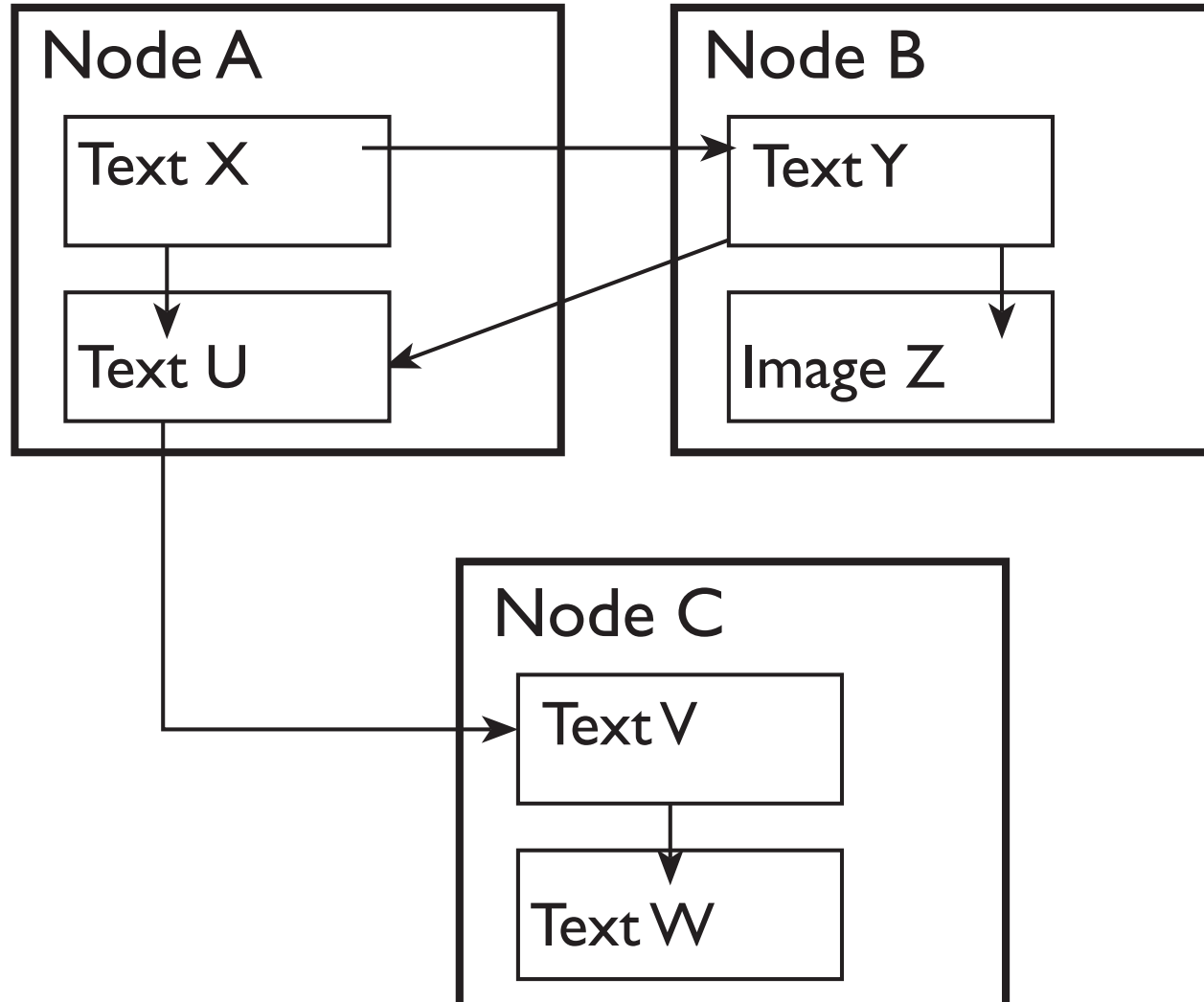
Chapter 14

The internet
and
the World
Wide Web

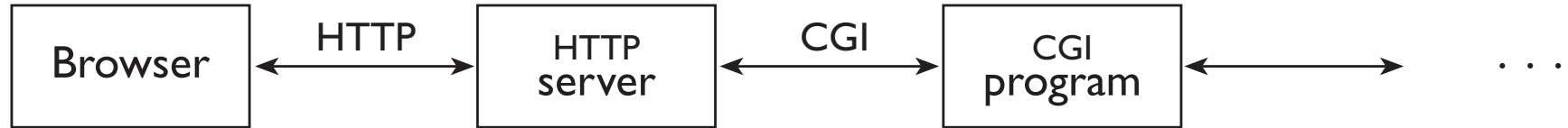
Hypertext with a hierarchical structure



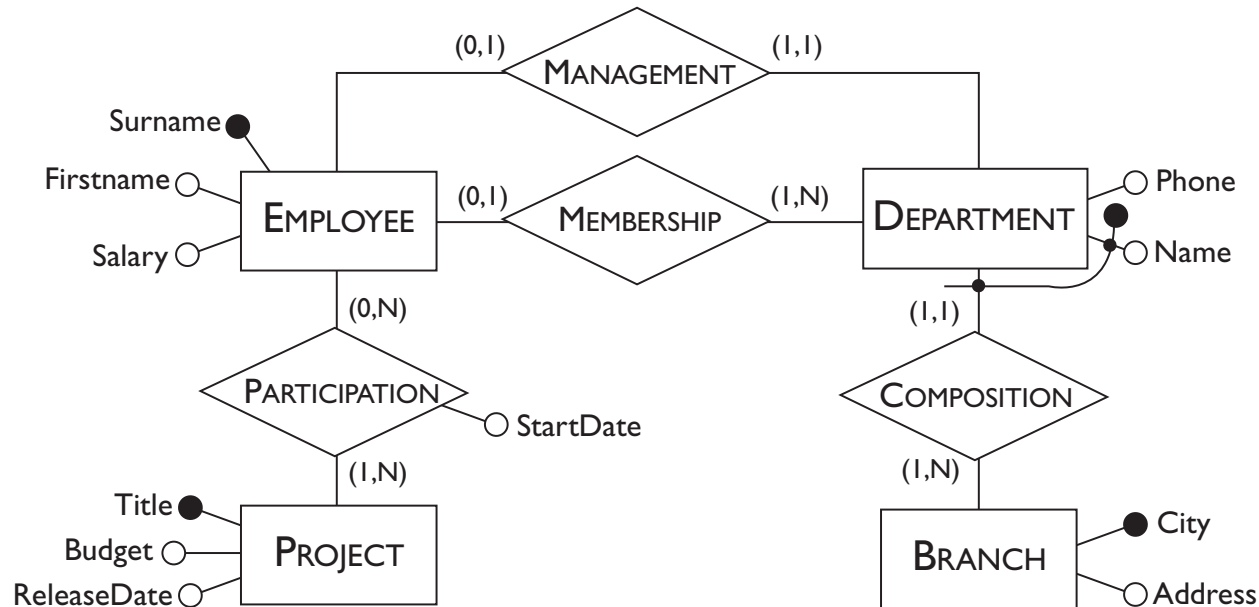
A distributed multimedia hypertext



The CGI communication mechanism



The E-R schema and the logical schema of a database on the employees of a company



EMPLOYEE(Surname, Firstname, Branch, Department)

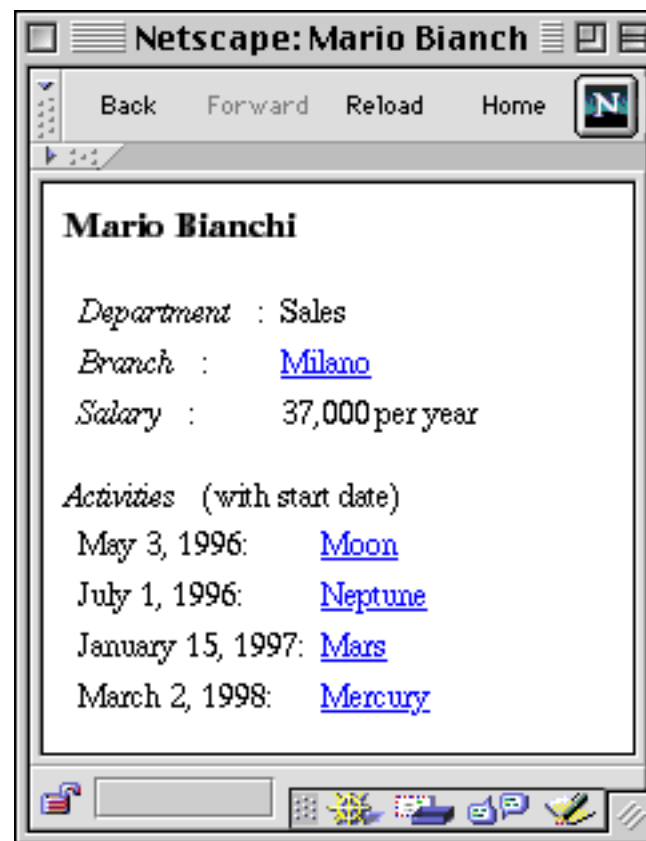
DEPARTMENT(Branch, Name, Phone, Manager)

BRANCH(City, Address)

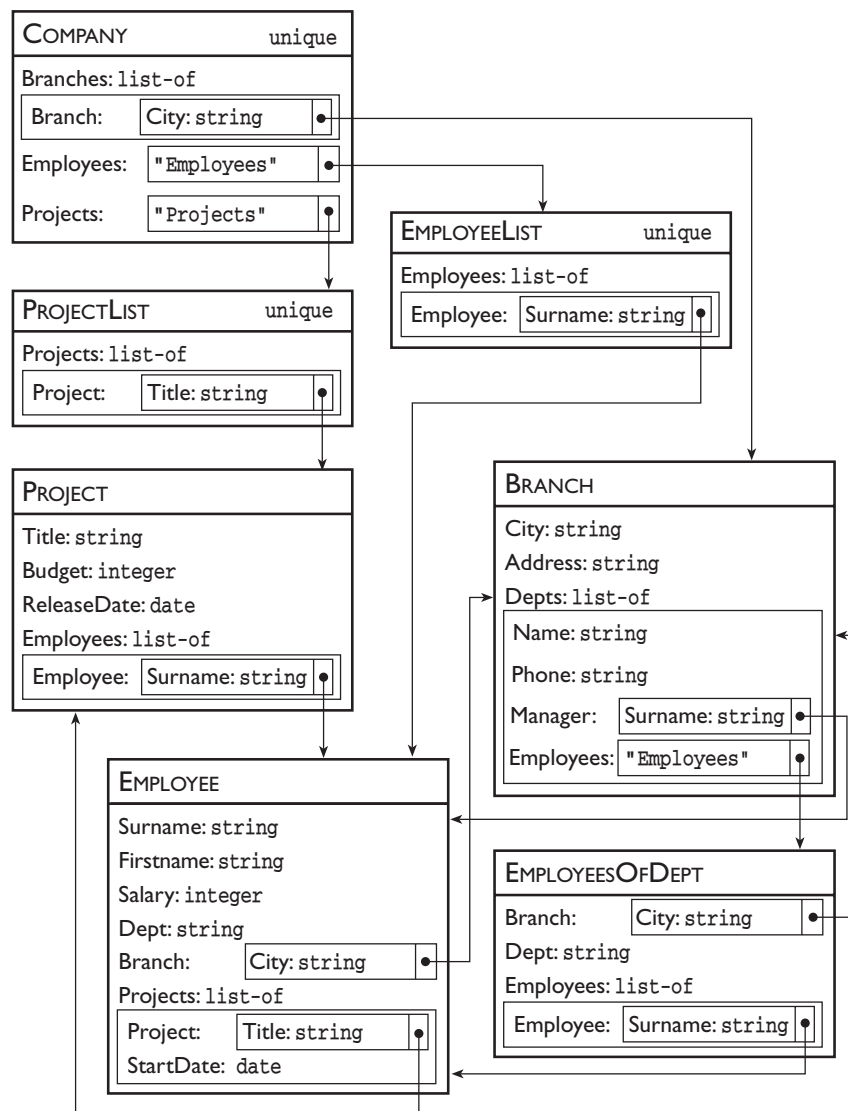
PROJECT(Title, Budget, ReleaseDate)

PARTICIPATION(Employee, Project, StartDate)

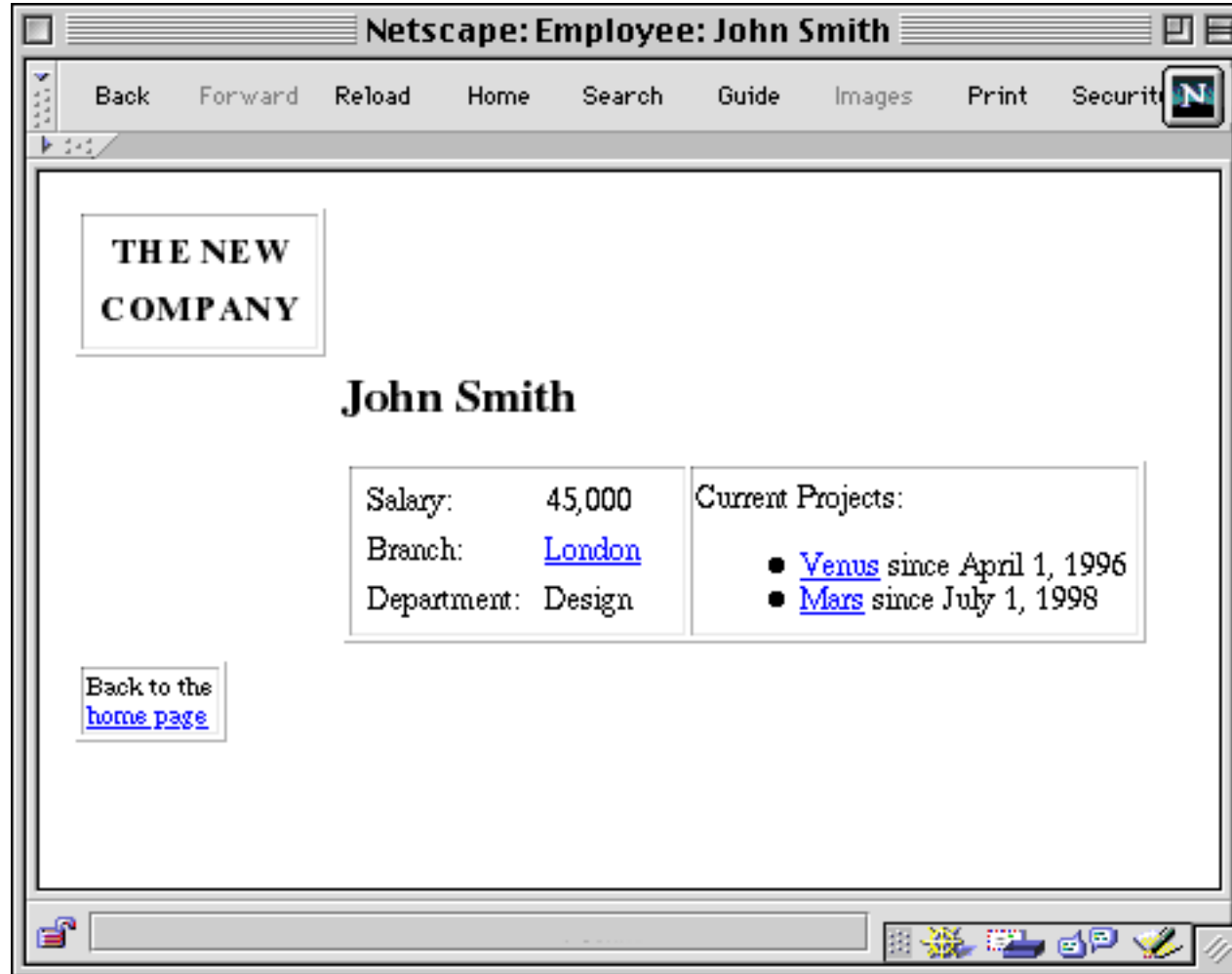
Web page with the same information but different presentation



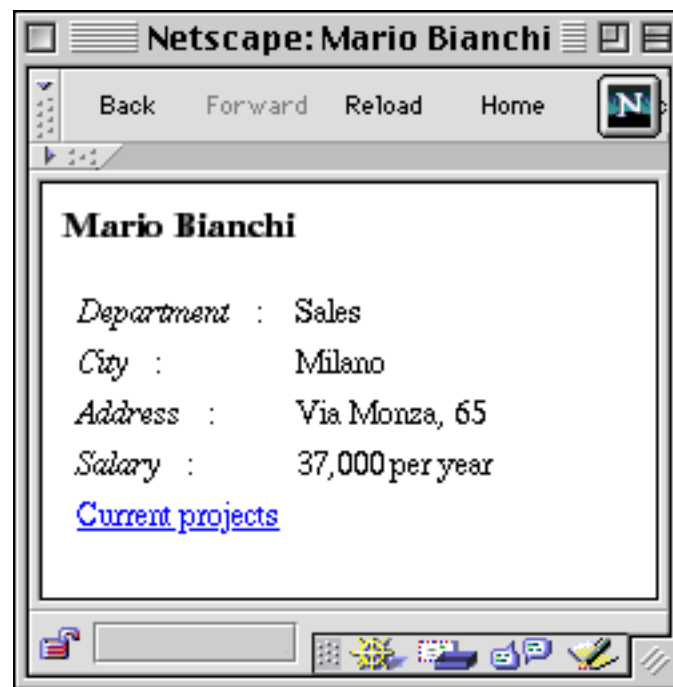
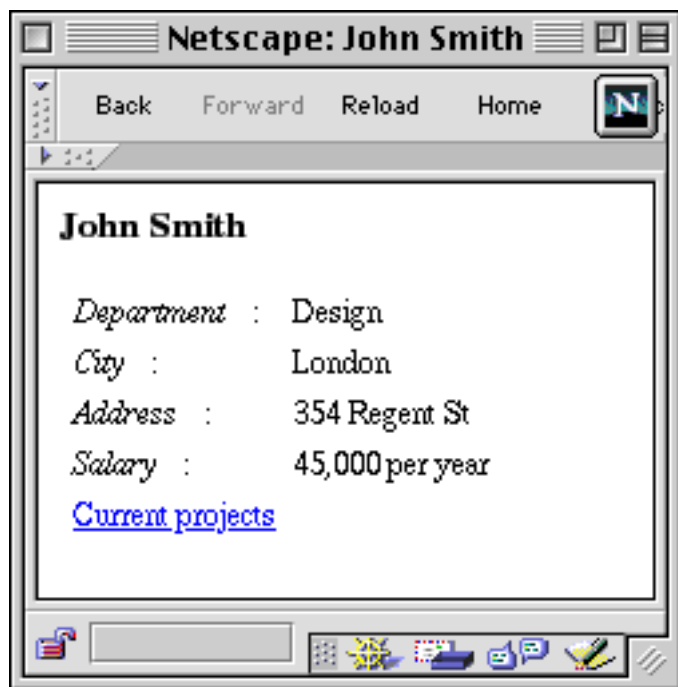
Logical schema of a hypertext



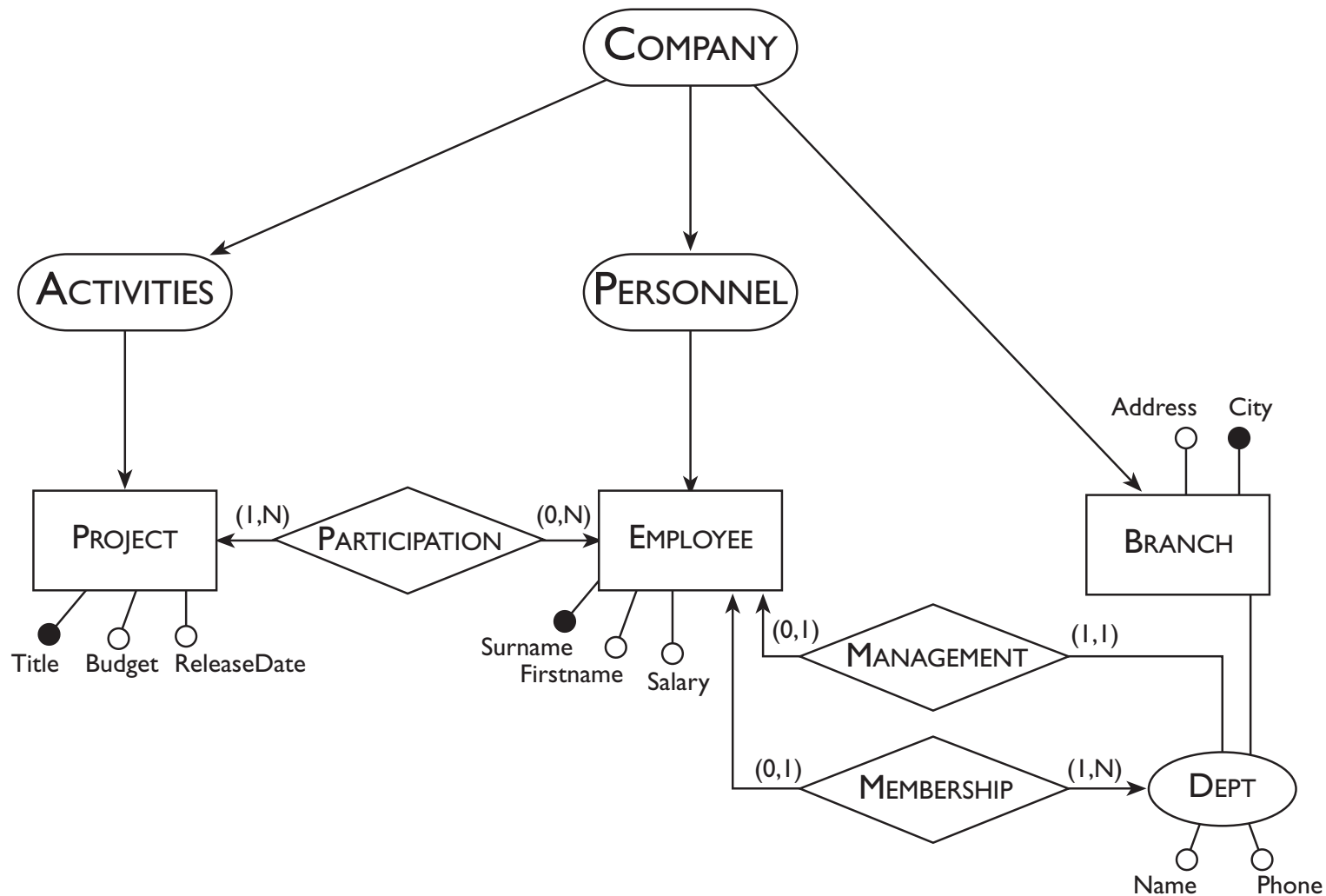
Another presentation of the previous web page



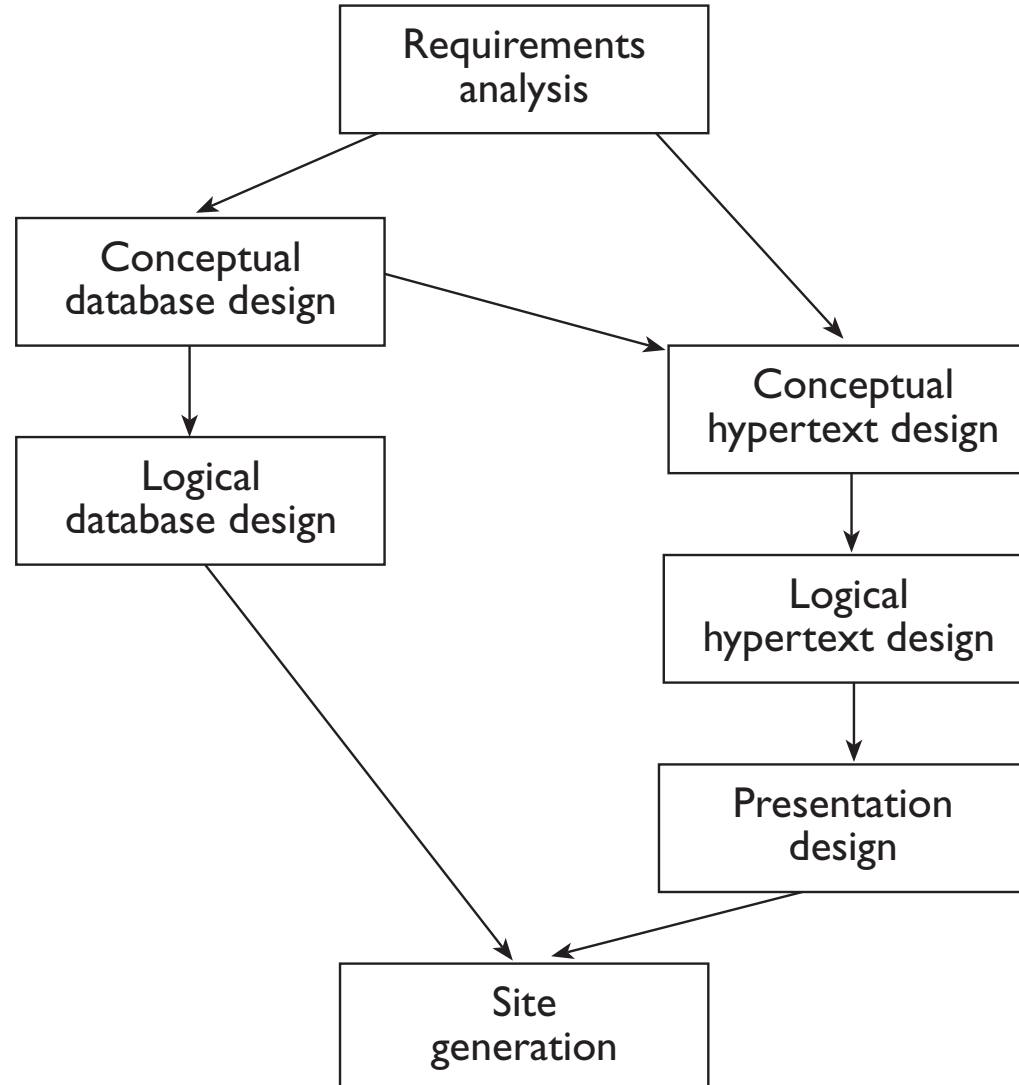
Two employee pages with different contents



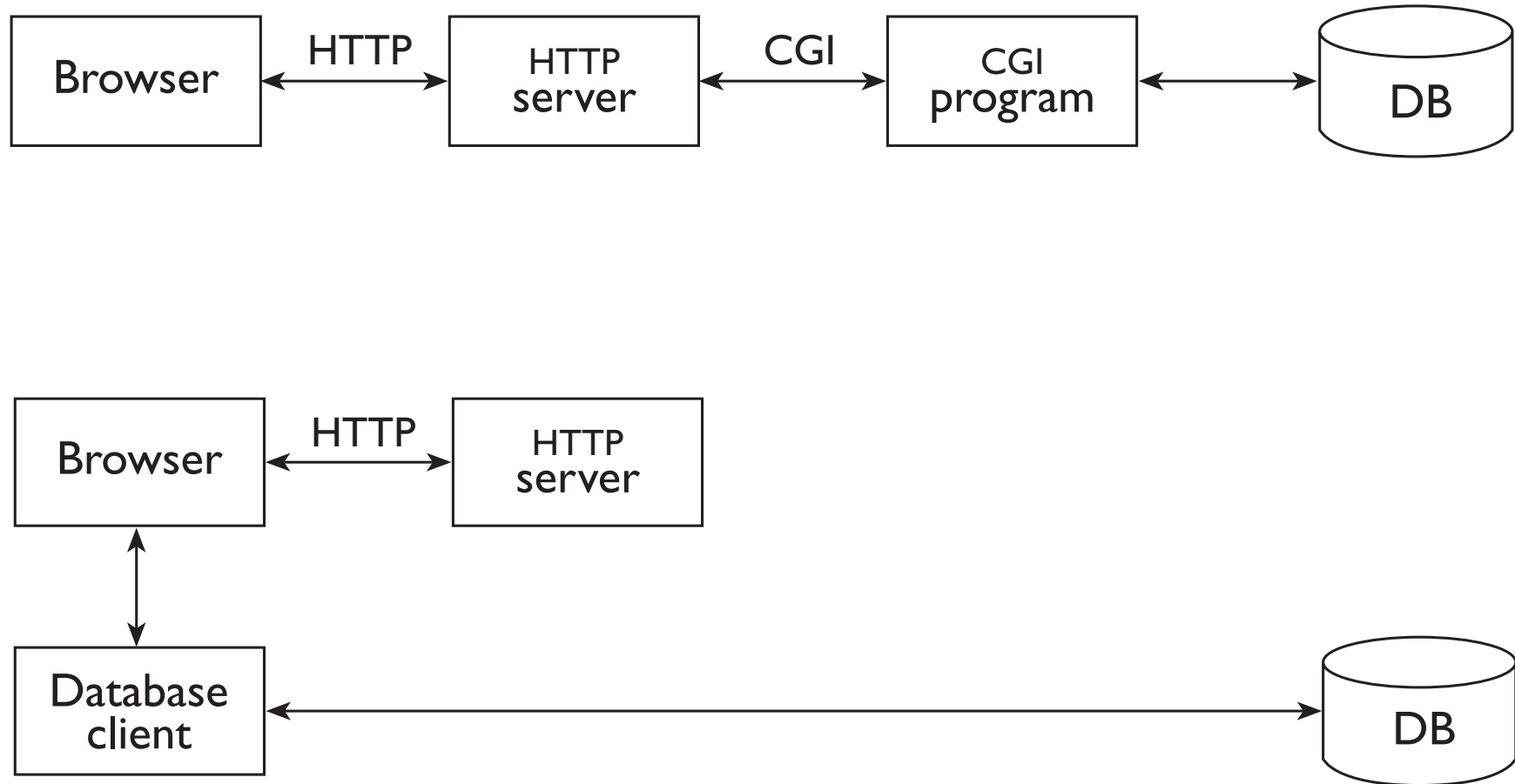
Conceptual schema of a hypertext



A method for the design of data-intensive Web sites



Comparison of CGI and client-based solutions



JDBC architectures

