SEMIDE

http://www.semide.org

EMWIS

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Séminaire d'information et de formation pour les responsables informatiques

Information and training seminar for the IT managers

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EMWIS Thematic Directory

Who does what in the water sector in the Euro-Med countries

Distributed database managed by the NFP with a common model. It provides information on :

➢ **Organizations**

➢ **Information sources**

➢ **Contacts**

  ➢ **Persons representing the organizations**

  ➢ **Managers of information sources**

  ➢ **Experts**

NFP server
Main components

TCP/IP

SMTP	FTP	HTTP		NNTP
Mailing list		R-DBMS	Full text	
Operating system				
Hardware				

Technical Unit server Main components

TCP/IP

SMTP	FTP	HTTP		NNTP
Microsoft Internet Information Server 4				
Mailing list		R-DBMS **Oracle 8i**	D-DBMS	
Operating system **MS-Windows NT4**				
Hardware **INTEL PIII XEON 500**				

Thematic directory Technical Architecture

Application

Database

FRONT- END:
Web browser

Web Server:
TOMCAT

H.M.I
Static

(HTML)

Dinamic
behaving of the
application

*(JSP +
Java Beans)*

R.D.B.S. :
Oracle 8i 8.1.6

Java core :
Jdk 1.4

SQL   *PL/SQL*

CLIENT

SERVER
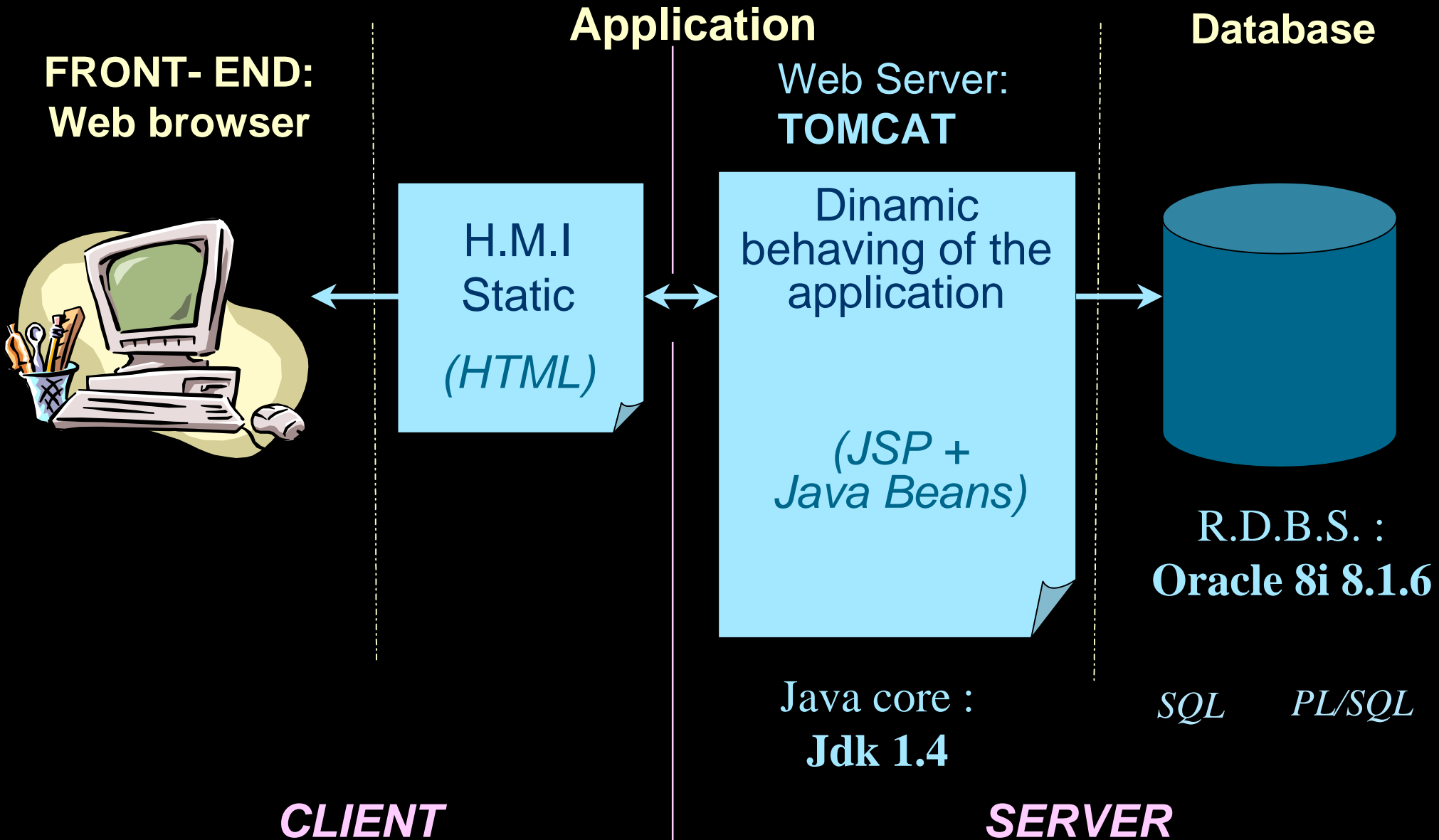
About the front-end 1/5

➤ **The first page allows 2 main actions**

   ➤ **Consultation of the database**

   ➤ **Update of the database**

➢ **We have in this page three lists of options and the "login"**

   ➢ **Organizations**

   ➢ **Contacts**

   ➢ **Info Sources**

About the front-end 3/5

➢ **Each list of options permits 2 or 3 types of consultation for the object**

  ➢ **Simple search (e.g. the name of the contact)**
  ➢ **Multi-criteria search**
  ➢ **Multi-criteria advanced search**

About the front-end 4/5

➢ **A registered user can login with 3 different "rights"**

   ➢ **Responsible of the organization:**
      He/she can edit all the information of the Organization, including Contacts and Info Sources

   ➢ **Member of a NFP**
      He/she can edit all the Organizations, Contacts and Info Sources of the country

   ➢ **Member of the TU**
      As the NFP right, in others countries (e.g. United States, Australia etc.)

About the front-end 5/5

➢ **We have in the first page of the login three lists of options as we have seen before**

    ➢ **Organization**
        Insert, update, delete, set UDC etc.

    ➢ **Contact**
        Insert update etc.

    ➢ **Info Source**
        Insert, update, delete, set keywords etc.

Thematic Directory – available data

➢ **Information already present:**

    2500 Organizations
    814 Contacts
    358 Info Sources

    in 62 countries

How to…1/2

➢ **Login with the right of a NFP**

➢ **Insert a new organization**

➢ **Insert a contact working for that organization giving him the right of responsible**

➢ **Insert an Info Source that is managed by that contact**

➢ **Logout**

How to…2/2

➢**Login with the right of responsible of that organization**

➢**Update the organization, set UDC**

➢**Update the contact**

➢**Update the info source, set somekeyword**