

Enhydra Example Applications

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Chapter 1. Enhydra applications

In Enhydra, there are following applications

- The Welcome Application

This application is a simple "hello world" test application.

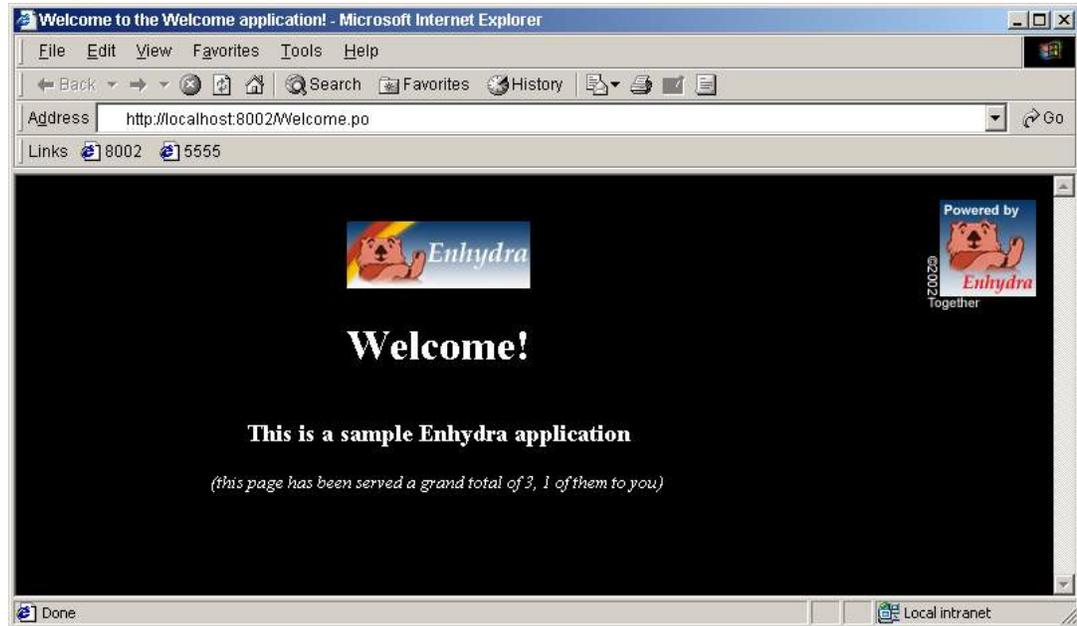


Figure 1: The Welcome Application

- The Chat Application

This is a chat room application. It uses a special algorithm to achieve the effects of push technology using standard HTTP. Messages the user sends appear immediatly.

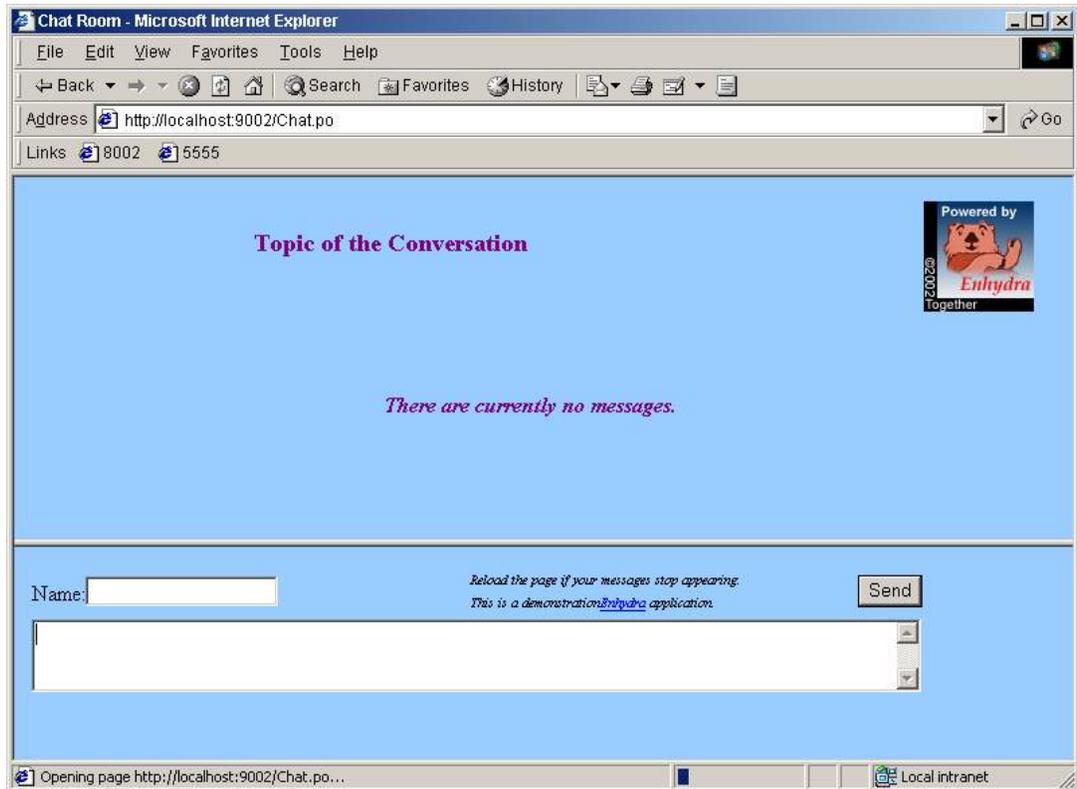


Figure 2: The Chat Application

- The Calculator Application

This is a little application that simulates a simple calculator.

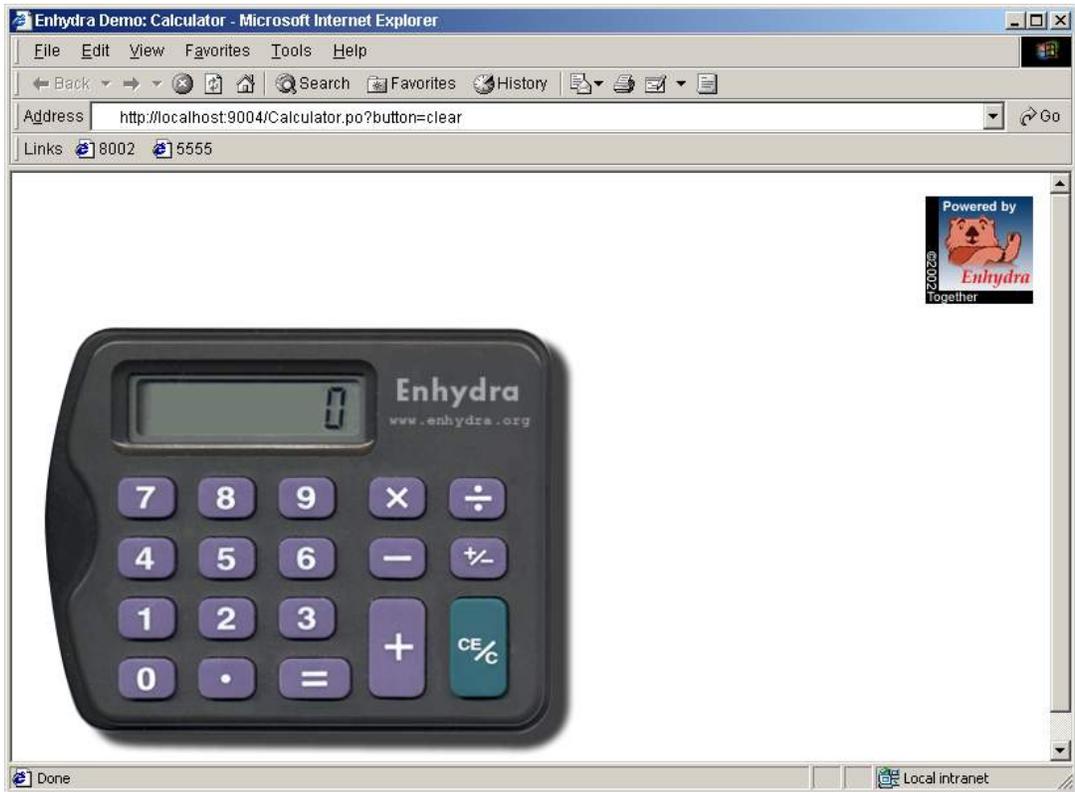


Figure 3: The Calculator Application

- The DiscRack Application

This is a demonstration application for querying, inserting, deleting and updating a list of Persons and their Discs in a database. It uses enhydra DODS. The default database is HSQL.

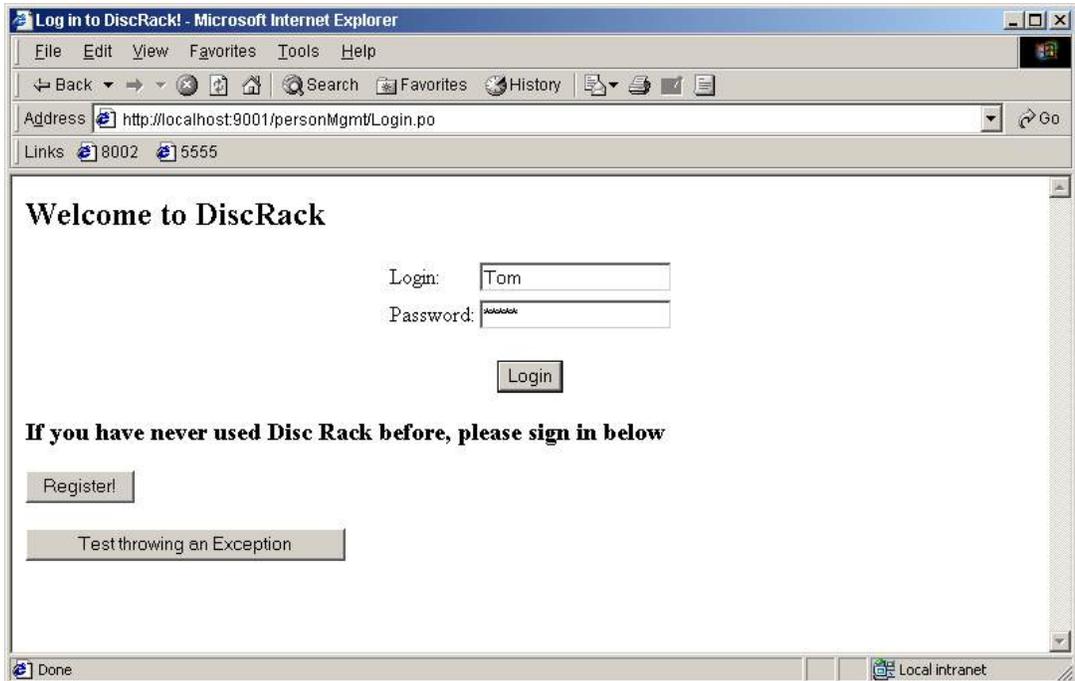


Figure 4: The DiscRack Application - Login

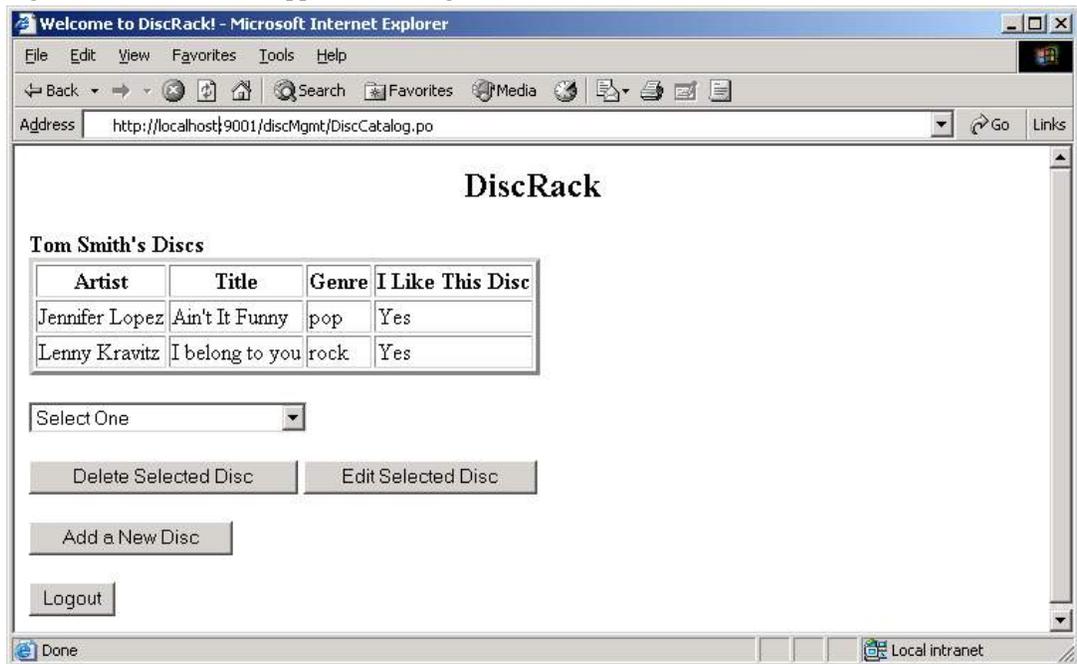


Figure 5: The DiscRack Application - Discs

- The TransactionsDiscRack Application

This is a demonstration application for querying, inserting, deleting and updating a list of Persons and their discs in a database. It uses enhydra DODS and it's new transaction features. The default database is HSQL.

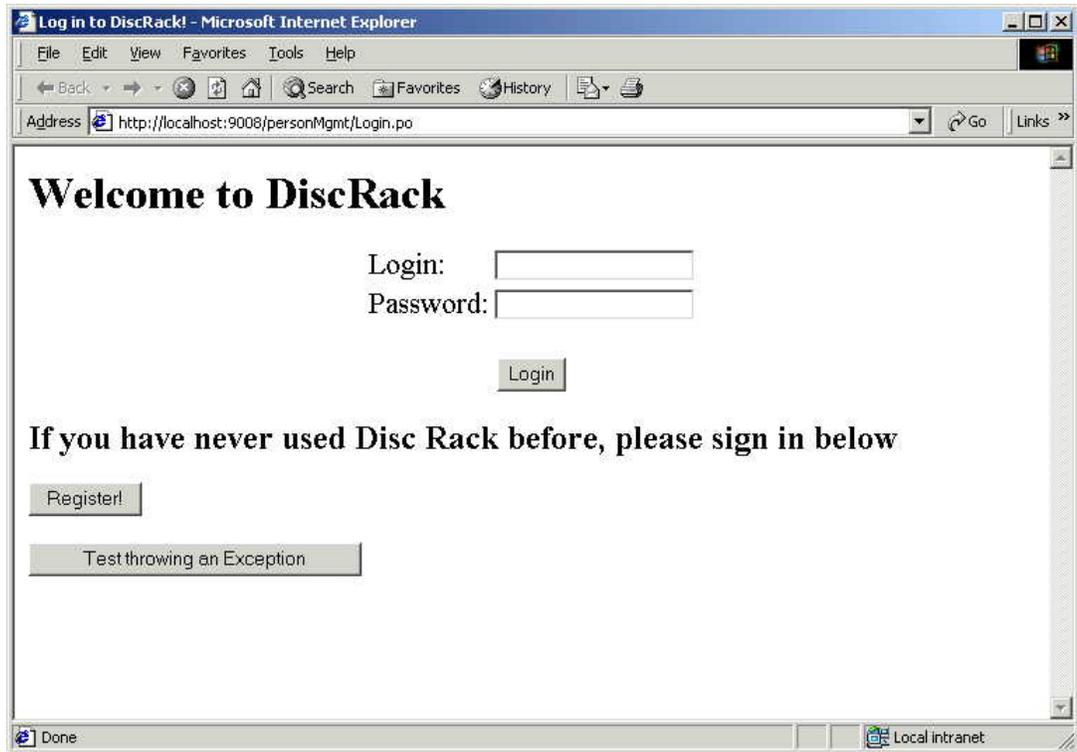


Figure 6: The TransactionsDiscRack Application - Login

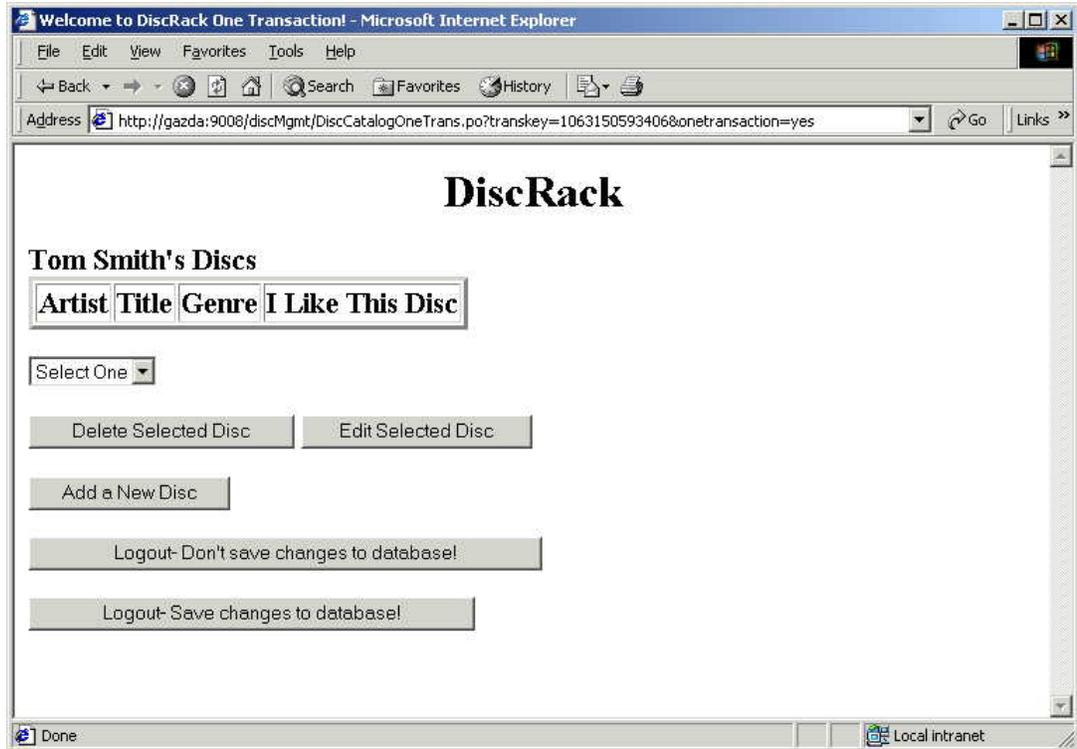


Figure 7: The TransactionsDiscRack Application - Discs

- The Poker Application

This application is a simulation of a poker. It can use database. By default, it doesn't use database, but, if uses, the default database is HSQL.

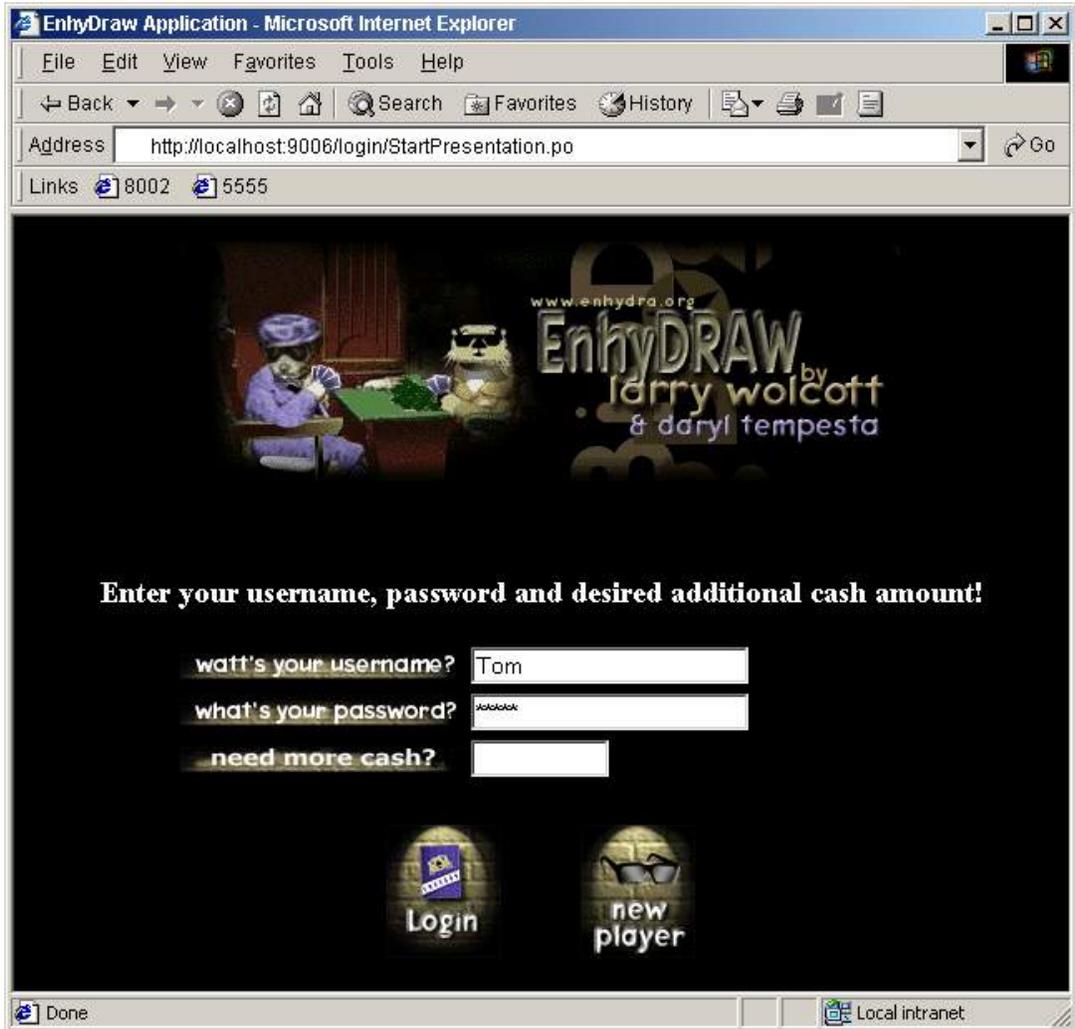


Figure 8: The Poker Application - Login



Figure 9: The Poker Application - Play

- CactusForEnhydra Application

This example presents enhydra testing framework using Jakarta Cactus.

- The GolfShop Application

An example of a classic Web shopping cart application used to support on-line Golf Store shopping Experience.

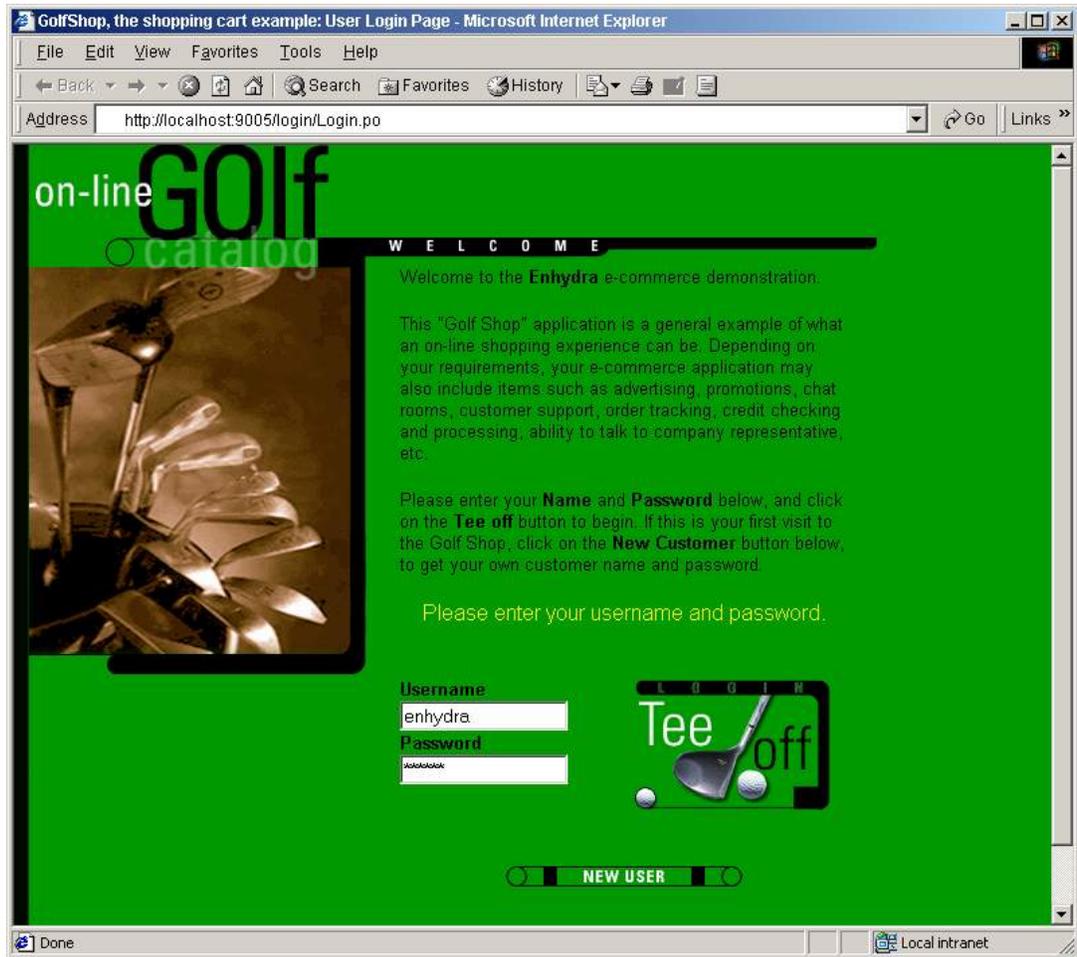


Figure 10: The GolfShop Application

- The PhoneBook Application

This is a demonstration application for querying and updating a list of phone numbers in a database. It has been tested with Informix, Oracle, InstantDB and HSQL databases. The default database is HSQL.

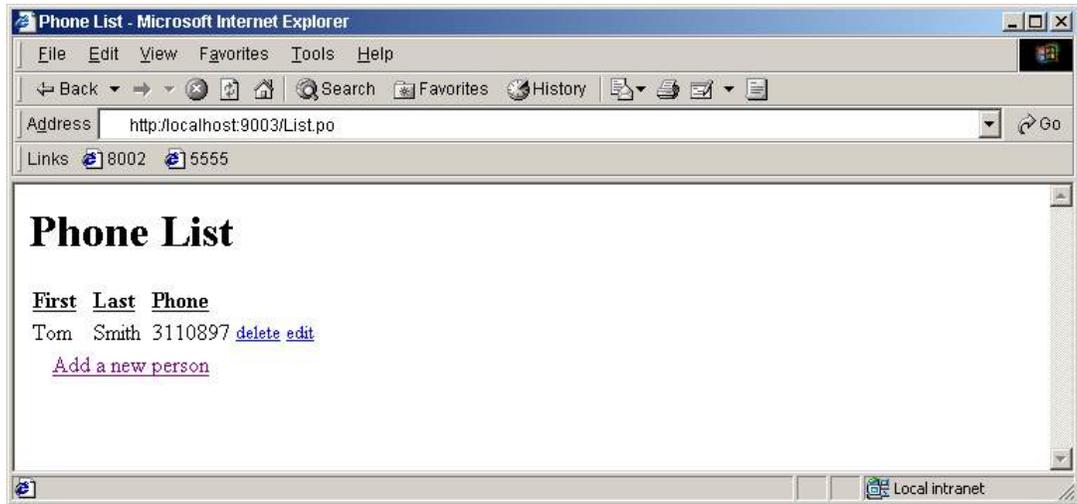


Figure 11: The PhoneBook Application

- The PhoneBookClient Application

This is a demonstration client application for PhoneBook's Axis server.

- Barracuda-examples

- BarracudaDiscRack Application

Barracuda DiscRack is an example of using Barracuda in Enhydra application. The primary purpose for this exercise was to provide a "real-life" example of how you could use Barracuda to build a web application.

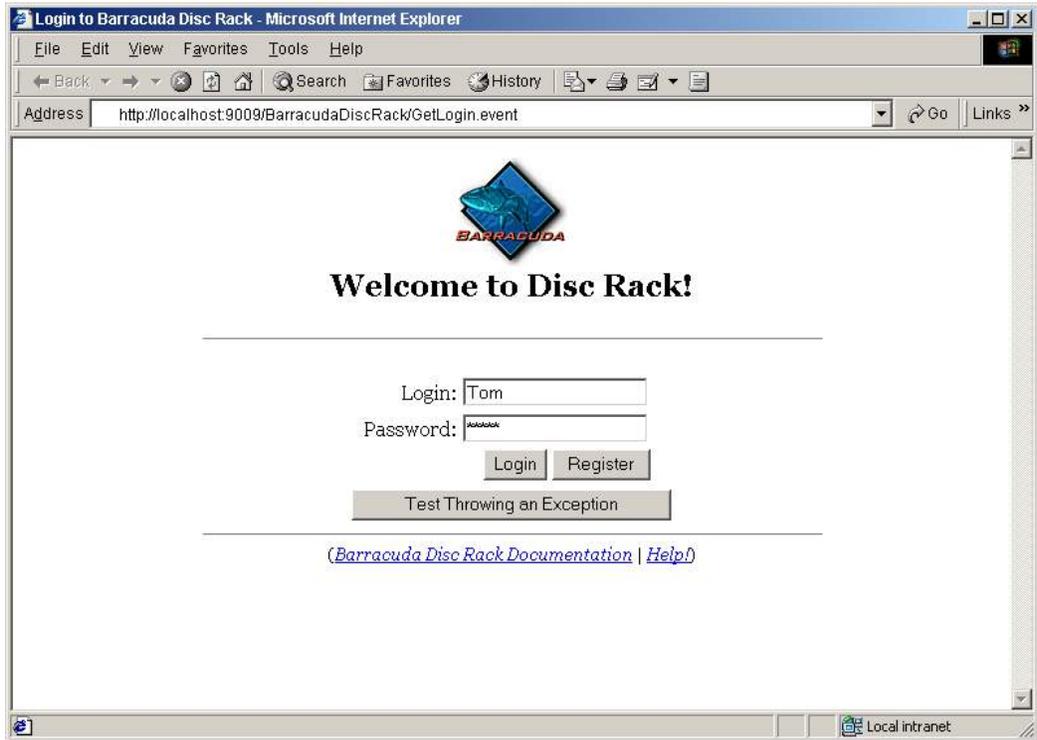


Figure 12: The Barracuda DiscRack Application - Login

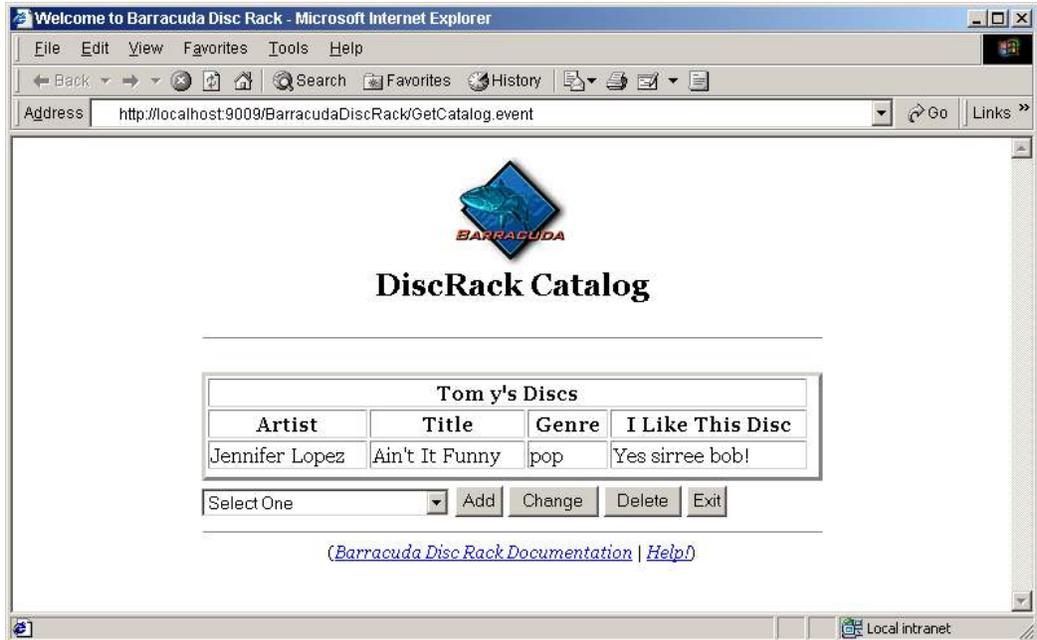


Figure 13: The Barracuda DiscRack Application - Discs

- BarracudaConfig Application

BarracudaConfig serves a twofold purpose. You can actually use it to configure a running Bar-

racuda system (nice!), but it also provides a great example of how to combine components, events, forms, and localization all in one app (even better!).

- FopAplet Application

FOP Aplet is used to create PDF file from the input sources that are XSL:FO formatted. These input sources can be one of:

- FO parameter - path to some FO file
- XML+XSL parameters - paths to some XML and XSL files

PDF files are created using Apache Software Foundation's FOP tool. FOP is a Java application that reads a formatting object tree and then turns it into a PDF document. Submitting a input sources to FOP tool are accomplished through servlet. In this case, servlet is Enhydra application.

- The Project Management Application

Project Management is an Enhydra application, which primary use should be evidencing of working hours of employees within some organization. It holds the data of employees, customers, projects, pay rates and finally, the working hours. Projects belong to the customer, and the organization is working on different projects for different customers. Pay rates for employees can be defined for every project that employee is working on, and can vary through the time.

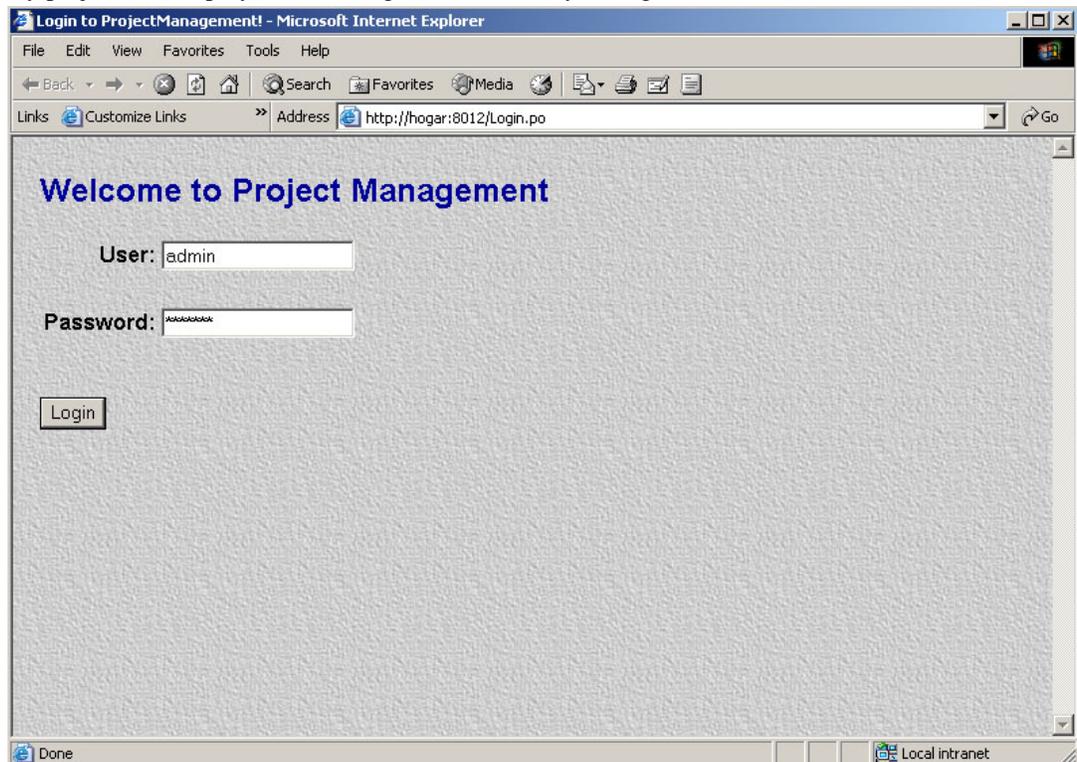


Figure 15: The Project Management Application - Login

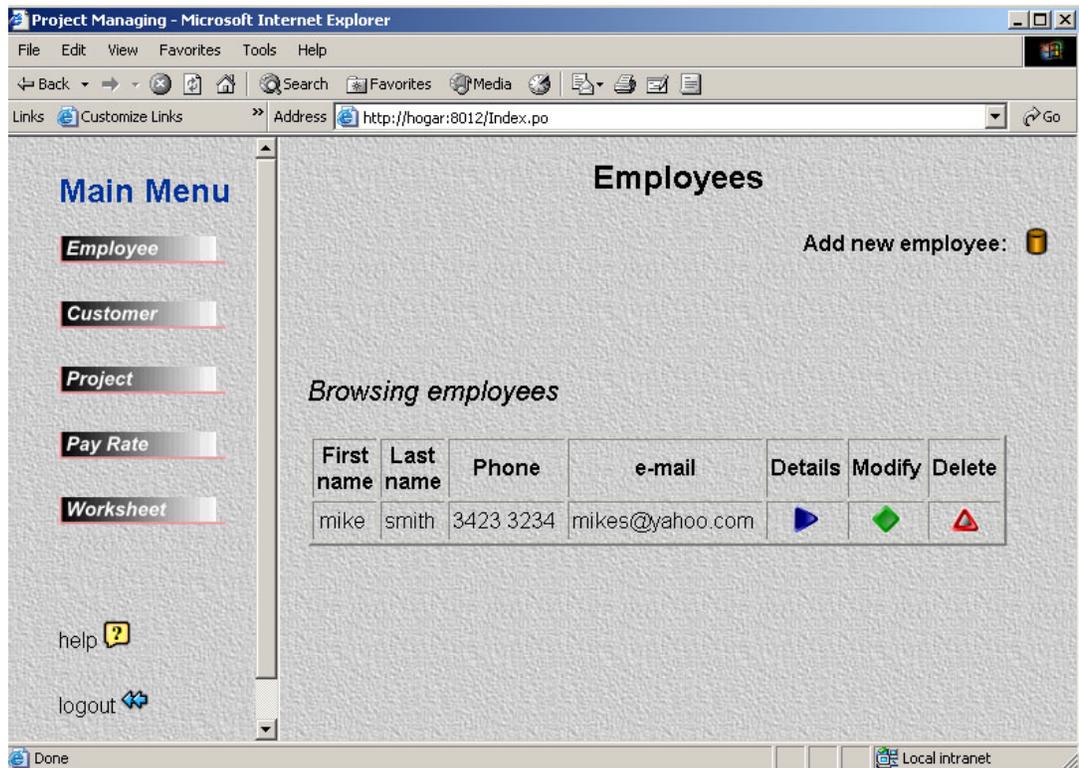


Figure 16: The Project Management Application - Employees

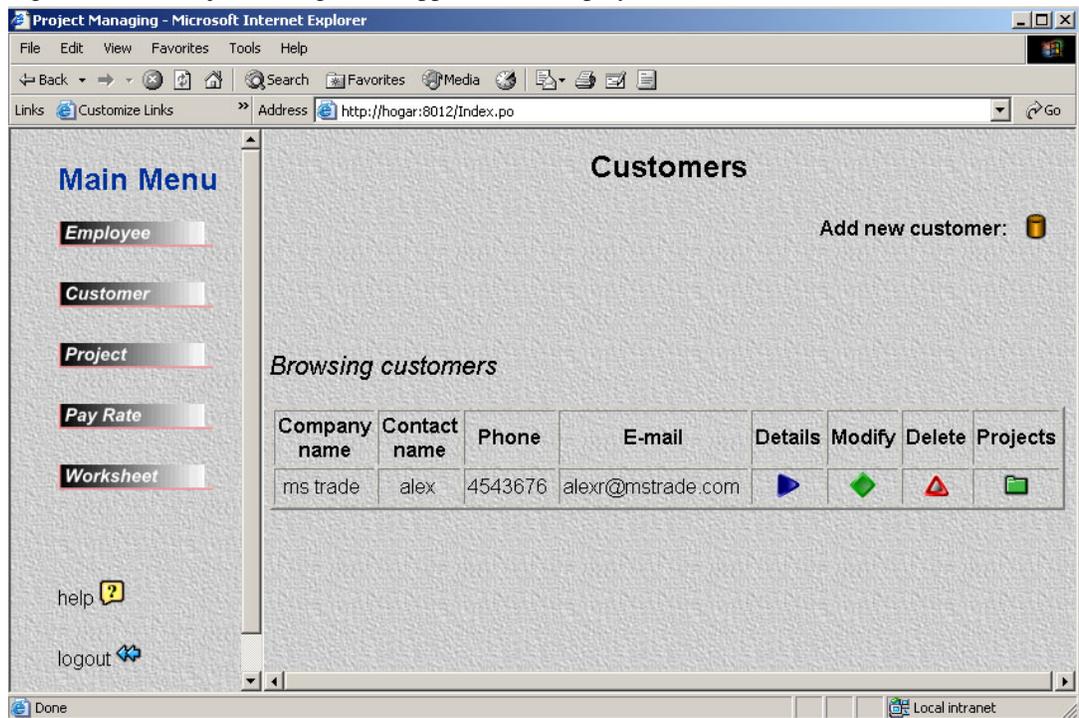


Figure 17: The Project Management Application - Customers

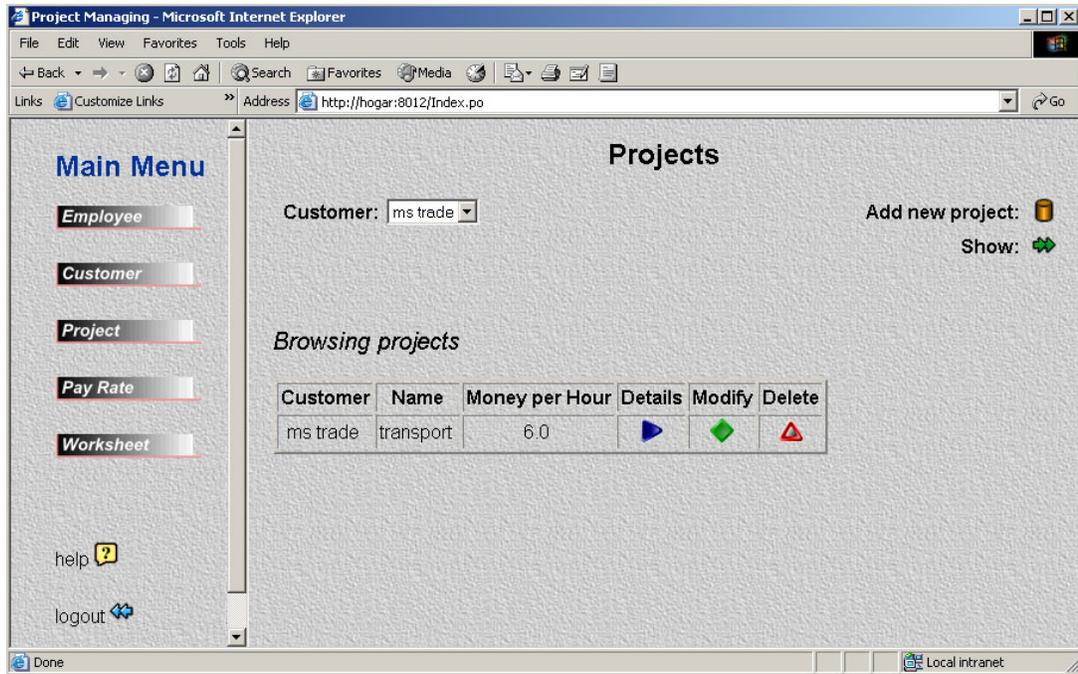


Figure 18: The Project Management Application - Projects

- The Multibase Enhydra Demo Application

This is a demonstration application for querying, inserting, deleting and updating a tables in case of simultaneous using multiple databases in same application. It uses enhydra DODS.

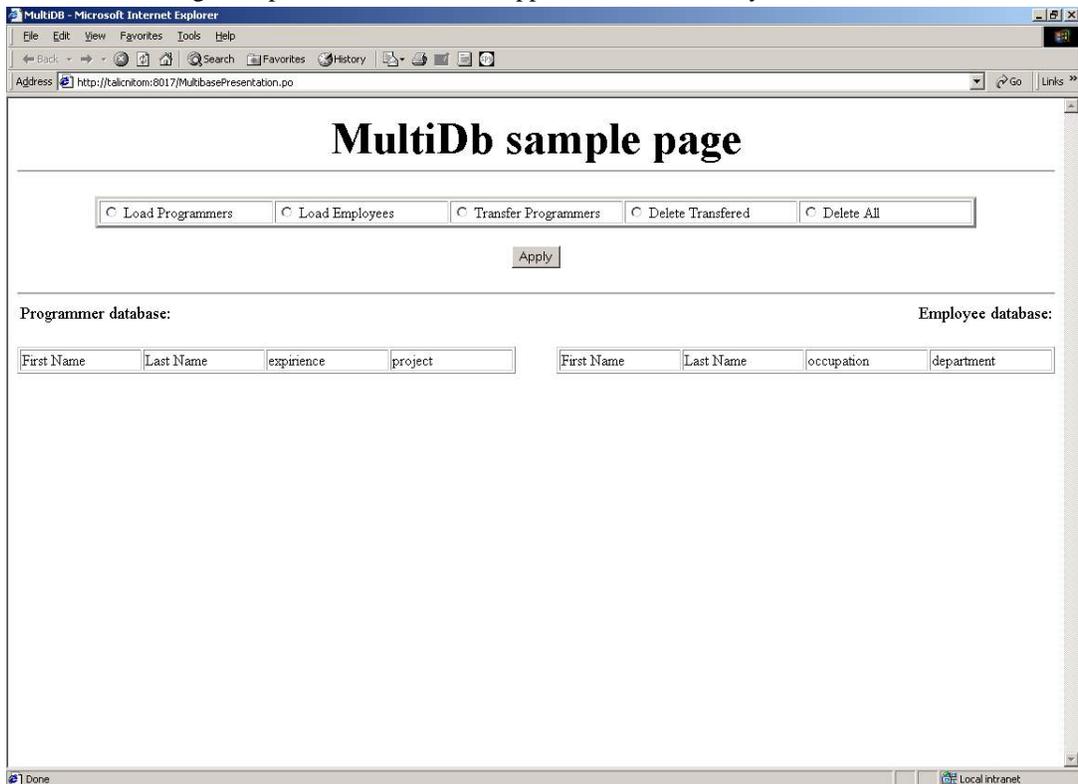


Figure 19: The Multibase Enhydra Demo Application

- The EnhydraFlash Application
The EnhydraFlash is example of using Flash animation in enhydra application.
- The CGIRunner Application
The CGIRunner Application is simple CGIServlet sample. It starts "run.bat" file which dispays (on STDOUTPUT) the set of environment variables that is transfered to executable.
- The SimpleVXML Application
SimpleVXML is simple Voice-XML application.
- The AirSent Application
AirSent is demonstration application for querying, inserting, deleting and updating a tables. It uses enhydra DODS.
- The XalanDoc Application
XalanDoc is demonstration application that uses XML file as data source.
- The JivanExample Application
The JivanExample is example of using Jivan which has its own way of DOM parsing and DOM procesing in a way to create dynamic HTML page used as users http response.
- The PiggyBank Application
The PiggyBank is simple example showing the application of EJOSA Templates.
- The JarServlet Application
The JarServlet Application is simple JarServerServlet sample - serves static HTML page from application jar file.
- The SnoopServlet Application
The SnoopServlet Application is servlet that shows the data sent by the client.
- The FileServlet Application
The FileServlet Application is FileServerServlet sample - serves static HTML page.
- ImapWeb Application
ImapWeb is sample enhydra application that represents IMAP mail client.
- discRackBarracuda Application
This is sample application that demonstrates how to take advantage of Barracuda in existing Enhydra super-servlet/presentation object applications. These application is adaptation of standard DiscRack enhydra demo application.
- TableApp Application
Simple Enhydra Axis Server application. Creates table that presents access time to this application

and transfers this table as node of 'Document' object via Axis/Soap.

- TableAppClient Application

Simple Enhydra Axis Client application. Accepts 'Document' sent from server and presents its table node.

- Enhydra PIM Application

Simple demo application that demonstrate use of DODS xaTransainctions implementation inside JTA context.

- Enhydra PIM EJB Application

Simple demo application that demonstrate use of DODS xaTransainctions implementation inside JTA-EJB context.

Chapter 2. Contexts of Enhydra applications

The default contexts for previously mentioned applications are:

NOTE: We are assuming that Enhydra Enterprise Server is installed with default HTTP connection port setting (9000).

- <http://localhost:9000/Welcome>- The Welcome Application
- <http://localhost:9000/chat>- The Chat Application
- <http://localhost:9000/calculator>- The Calculator Application
- <http://localhost:9000/discRack>- The DiscRack Application
- <http://localhost:9000/Poker>- The Poker Application
- <http://localhost:9000/GolfShop>- The GolfShop Application
- <http://localhost:9000/phoneBook> - The PhoneBook Application
- <http://localhost:9000/phoneBookClient> - The PhoneBookClient Application
- <http://localhost:9000/BarracudaDiscRack>- The Barracuda DiscRack sample application
- <http://localhost:9000/FopApplet>- The FopApplet
- <http://localhost:9000/ProjectManagement> [<http://localhost:9000/projectManagement>]- The Project Management application
- <http://localhost:9000/multibase>- The Multibase Application
- <http://localhost:9000/CactusForEnhydra> - The CactusForEnhydra Application
- <http://localhost:9000/XalanDoc> - The XalanDoc Application
- <http://localhost:9000/AirSent> - The AirSent Application
- <http://localhost:9000/imapWeb> - The ImapWeb Application
- <http://localhost:9000/SimpleVXML> - The SimpleVXML Application
- <http://localhost:9000/transactionsDiscRack> - The TransactionsDiscRack Application
- <http://localhost:9000/BarracudaConfig> - The BarracudaConfig Application
- <http://localhost:9000/CGIRunner> - The CGIRunner Application
- <http://localhost:9000/SnoopServlet> - The SnoopServlet Application
- <http://localhost:9000/FileServlet> - The FileServlet Application

- <http://localhost:9000/JarServlet> - The JarServlet Application
- <http://localhost:9000/enhydraFlash> - The EnhydraFlash Application
- <http://localhost:9000/JivanExample> - The JivanExample Application
- <http://localhost:9000/PiggyBank> - The PiggyBank Application
- <http://localhost:9000/discRackBarracuda> - The BarracudaDiscRackEnhydra Application
- <http://localhost:9000/tableApp> - The TableApp Application
- <http://localhost:9000/tableAppClient> - The TableAppClient Application
- <http://localhost:9000/enhydrapim> - The Enhydra PIM Application
- <http://localhost:9000/enhydrapim-ejb> - The Enhydra PIM EJB Application