

DPROJECT
Project Management Tool

COMPILATION & INSTALLATION
MANUAL

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INTRODUCTION

This document describes the installation and compilation process of DProject. First, installing the already compiled package to your server will be described; then for those who want to compile the package themselves, the compilation process will be explained.

DOWNLOAD DPROJECT

You can download DProject from <http://senior.ceng.metu.edu.tr/2005/ddsoftware/> .
Unzip the zipped file before continuing with the following steps.

REQUIREMENTS

DProject requires MySQL as Database Management System so before installing DProject, it is required to install MySQL. After that, in the initialization phase, url, username and password of the MySQL server must be provided (Explained below).

DProject requires Tomcat to be setup and configured.

DProject also requires the following libraries, but note that these libraries are already provided in the DProject package under the /lib directory, so you **do not** need to find them and put into the package. We list them because of documentation purposes only:

- Servlet - version 2.3:
 - servlet-api.jar
- JSP Api – version 1.2 :
 - jsp-api.jar
- Graph Creation Api - version 2.0:
 - ChartDirector.jar
- I/O and FileUpload Apis – version 1.6 :
 - commons-fileupload-1.1-dev.jar
 - commons-io-1.0.jar
 - cos.jar
 - fileupload.jar
 - uploadbean.jar
- MySQL Driver – version 3.1.7:
 - mysql-connector-java-3.1.7-bin.jar
- For XML Parsing version 2.6.2:
 - xercesImpl.jar
 - xml-apis.jar

INSTALLING THE COMPILED PACKAGE

How to deploy into Tomcat:

(It's assumed that Tomcat is already setup and configured)

Put the DProject package under "TOMCAT_HOME/webapps/" directory and you are ready to use your brand new Project Management Tool. But you have to do a configuration first.

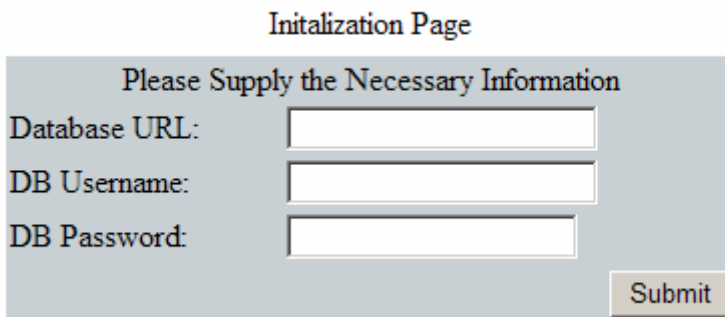
How to Configure:

After deploying DProject into Tomcat, to configure DProject, initialization page must be opened.

On your browser run the .jsp file:

`http://<server_name>/DProject/initialization.jsp`

Here is a snapshot of the initialization page:



Initialization Page

Please Supply the Necessary Information

Database URL:

DB Username:

DB Password:

Submit

This page will ask for database management server information which are the url, username and the password of the server. After providing these information and hitting the submit key, the information is saved in an xml file named "initialization.xml". This configuration file is parsed for every request to the web server and the database connection is setup using this data.

After this initialization you are ready to use DProject. Consult the User's Manual for more details on how to use DProject.

COMPILING THE PACKAGE

In this section, the process of compiling the DProject package will be described. But note that DProject package comes already compiled. *You **do not** need to compile the downloaded DProject package to use. This process is described only for those who want to compile all the package for one or another reason.*

First of all make sure that j2sdk1.4.2_x (or above) is installed on the system.

Under the DProject directory, execute the following command to compile the source files:

```
javac -classpath .;lib/servlet-api.jar; lib/jsp-api.jar; lib/ChartDirector.jar; lib/commons-fileupload-1.1-dev.jar; lib/commons-io-1.0.jar; lib/cos.jar; lib/fileupload.jar; lib/mysql-connector-java-3.1.7-bin.jar; lib/uploadbean.jar; lib/xercesImpl.jar; lib/xml-apis.jar src/ddproject/*.java
```

Now, your .class files must be created under DProject directory. Copy these .class files and paste them under DProject/WEB-INF/classes/ddproject package.

So you have the new compiled package. After this you can follow the steps described in “Installing the Compiled Package” section of this document.

DEVELOPMENT ENVIRONMENT

DProject was developed using NetBeans 4.0 under Windows XP.