

## CS 425 Final Group Project Read Me

**JDK:** - jdk1.7.0

**Server:** - apache-tomcat-7.0.30

**IDE:** Eclipse Java EE IDE for Web Developers. Version: Indigo Service Release 2 Build id: 20120216-1857

**Fourier Oracle:** - JDBC driver: - OJDBC6.jar to include in the lib of jre and eclipse

### Configuration Steps:

1. Install JDK.
2. After Installation, set the environment variables as follows:  
Start -> Settings -> Control Panel -> System -> Advanced -> Environment Variables -> System variables -> New  
Values of Environment Variables:
  - JAVA\_HOME points to JDK installation path, which specifies the location of the java run time environment
  - CLASSPATH= %JAVA\_HOME%\lib;%JAVA\_HOME%\lib\tools.jar
  - PATH = %JAVA\_HOME%\bin;%JAVA\_HOME%\jre\bin
3. Download apache-tomcat-7.0.30 from: [//tomcat.apache.org/download-70.cgi](http://tomcat.apache.org/download-70.cgi), and follow the steps of “Apache Tomcat Setup Wizard” to install it.
4. Create an environment variable, CATALINA\_HOME: The value is the installation path of Tomcat you just installed. Add the following path to CLASSPATH environment variable:  
;%CATALINA\_HOME%\common\lib. Add the following path to PATH environment variable:  
;%CATALINA\_HOME%\bin.
5. After downloading eclipse, select a JDK as default JRE for Eclipse in its preference window: Windows -> Preferences -> Java -> Installed JREs.  
The selected JRE must be a JDK, because Tomcat requires JDK to compile files instead of JRE.  
Configure Tomcat for Eclipse also in its preference window: Windows -> Preferences -> Tomcat.

6. Right-click on Welcome.jsp, choose “Run on Server.” This is how the website loads in the eclipse IDE. From here you can navigate the pages and test the queries.

### **EXECUTION of the Project:**

#### **Running the code using WAR Files (But I have also included the Separate Project Files in the package):-**

1. Import each project in eclipse by selecting  
File -> Import -> Web (WAR file) - > Browse the location of WAR file (Web Project will come by itself) (Select Apache Tomcatv7.0 as the Target Runtime) -> Finish
2. Open the Project -> Go To Web Content -> Select the JSP File (Each project has one JSP file that connects to the servlet) ->Right Click -> Select Run As -> Run on Server -> Enter the Values in the Form and Press Submit Query.