

## 6.2 - Configuring Database Connections

After creating the four SHRINE databases and loading their schema, you will then proceed to template the connection file that Tomcat uses for these database connections: context.xml. This file should be placed in the `/opt/shrine/tomcat/conf` directory.

Here's an example of how a context.xml file should look like:

NOTE: If you are using a different DBMS, you will need to change the `driverClassName`, `url`, and `validationQuery` to match the DBMS you are using.

```
<?xml version='1.0' encoding='utf-8'?>
<!-- The contents of this file will be loaded for each web application -->

<Context>
  <WatchedResource>WEB-INF/web.xml</WatchedResource>
  <Resource name="jdbc/problemDB" auth="Container" type="javax.sql.DataSource"
    maxTotal="100" maxIdle="30" maxWaitMillis="10000"
    username="shrine" password="demouser" driverClassName="com.mysql.jdbc.Driver"
    url="jdbc:mysql://localhost:3306/shrine_query_history"
    testOnBorrow="true" validationQuery="SELECT 1" />

  <Resource name="jdbc/shrineDB" auth="Container" type="javax.sql.DataSource"
    maxTotal="100" maxIdle="30" maxWaitMillis="10000"
    username="shrine" password="demouser" driverClassName="com.mysql.jdbc.Driver"
    url="jdbc:mysql://localhost:3306/shrine_query_history"
    testOnBorrow="true" validationQuery="SELECT 1" />

  <Resource name="jdbc/adaptersAuditDB" auth="Container" type="javax.sql.DataSource"
    maxTotal="100" maxIdle="30" maxWaitMillis="10000"
    username="shrine" password="demouser" driverClassName="com.mysql.jdbc.Driver"
    url="jdbc:mysql://localhost:3306/adaptersAuditDB"
    testOnBorrow="true" validationQuery="SELECT 1" />

  <Resource name="jdbc/qepAuditDB" auth="Container" type="javax.sql.DataSource"
    maxTotal="100" maxIdle="30" maxWaitMillis="10000"
    username="shrine" password="demouser" driverClassName="com.mysql.jdbc.Driver"
    url="jdbc:mysql://localhost:3306/qepAuditDB"
    testOnBorrow="true" validationQuery="SELECT 1" />

  <Resource name="jdbc/stewardDB" auth="Container" type="javax.sql.DataSource"
    maxTotal="100" maxIdle="30" maxWaitMillis="10000"
    username="shrine" password="demouser" driverClassName="com.mysql.jdbc.Driver"
    url="jdbc:mysql://localhost:3306/stewardDB"
    testOnBorrow="true" validationQuery="SELECT 1" />
</Context>
```