This paper details the use of the Use of the ObjectStore 6.2 object-oriented database and Java API, Apache Tomcat Servlet/JSP container, J2EE, and the NetBeans 5.0 Java IDE (Integrated Development Environment) to develop a three tier Web application. The major contribution of this paper is to show how a three-tier web application can be easily developed and take advantage of an object-oriented database instead of using ADO.Net or JDBC libraries to access traditional relational databases, such as Microsoft Access, MS SQL Server, Oracle. The NetBeans 5.0 IDE is used to run the ObjectStore postprocessor and a simple class is developed to illustrate that ObjectStore can be used as the backend of three tier Web Applications