Web-based secure database for the Graduate Student Records

Radhika Ambatipudi

Abstract
The client/server technology has made a major impact on the development and implementation of many software applications. The client/server architecture has helped make the database processing powerful by separating the Database Management System (DBMS) from the database application. The application runs on one or more user workstations and communicates with the DBMS running on the same or other computers over a network. The web-based secure database for graduate student records is aimed at developing an interactive GUI for manipulating the graduate student records of Computer Science department at California State University, Northridge. In this project, a database client/server prototype uses Java and a relational database management system. This project applies the concepts of the web-based client-server application and distributed technologies like JDBC (Java database connectivity), JSP (Java Server Pages), and Java Servlets. JDBC shall be used to connect the back-end MySQL database with the application layer. This application runs on a Jakarta Tomcat Web Server 4.0.1 using Java version JDK 1.2.

Committee:
Shan Barkataki
Gloria Melara
G.Michael Barnes, chair