



Computer and Information Sciences

(23-27) 6th Semester

Internet Application Development

Problem Statement

Topic: Role-Based Access Control (RBAC)

Submitted by:

Muhammad Abdullah

Submitted to:

Irfan Hameed

Problem Statement

Problem Outline

Refer to the interfaces and database implementations from previous labs. You are required to design and implement a Role-Based Access Control mechanism for Pine Valley Furniture Company interfaces developed so far.

Tasks:

1. **(a)** As an initial step, enhance the schema of the PVFC database to include user roles and authentication details.
2. **(b)** Next, enhance the solutions for the previous problems to take advantage of the modified schema. Incorporate role-based access control for all interfaces (e.g., restricting Catalog access and Customer updates to Admins, while allowing standard features for regular customers).
3. **(c)** Ensure that session variables securely track the logged-in user's privileges to grant or deny access conditionally.

