**Back Cover**

**Title**: Customized Point of Sale (POS) System for Supermarket  
**Subtitle**: Database Design and Software Development

**Project Overview**:

This project addresses the operational challenges faced by a supermarket in developing a customized Point of Sale system. The system is designed to handle customer management, tracking of inventories, application of discounts, and monitoring of sales. It also provides detailed reports that will assist in making strategic decisions. The database system is developed on Microsoft SQL Server, emphasizing data integrity and strong validation mechanisms for data. Accompanying software enables real-time interaction with the database, hence easy access and a user-friendly interface for administrative staff and stakeholders alike.

**Developed By**:

**Submitted To**:  
**Date**:

|  |  |  |  |
| --- | --- | --- | --- |
| Task | Team Member | Index No | Contribution |
| Analyze the supermarket's requirements | [Name Placeholder] |  | [Contribution Placeholder] |
| Design database schema in SQL Server | [Name Placeholder] |  | [Contribution Placeholder] |
| Implement data validation (triggers, UDFs) | [Name Placeholder] |  | [Contribution Placeholder] |
| Develop software to interact with the DB | [Name Placeholder] |  | [Contribution Placeholder] |
| Create reports (daily/monthly) for owner | [Name Placeholder] |  | [Contribution Placeholder] |
| Test and deploy the system | [Name Placeholder] |  | [Contribution Placeholder] |
| Document the project | [Name Placeholder] |  | [Contribution Placeholder] |

**Workload Matrix**