



Department of Computer Science

Term Project Proposal, [Summer 2022-2023]

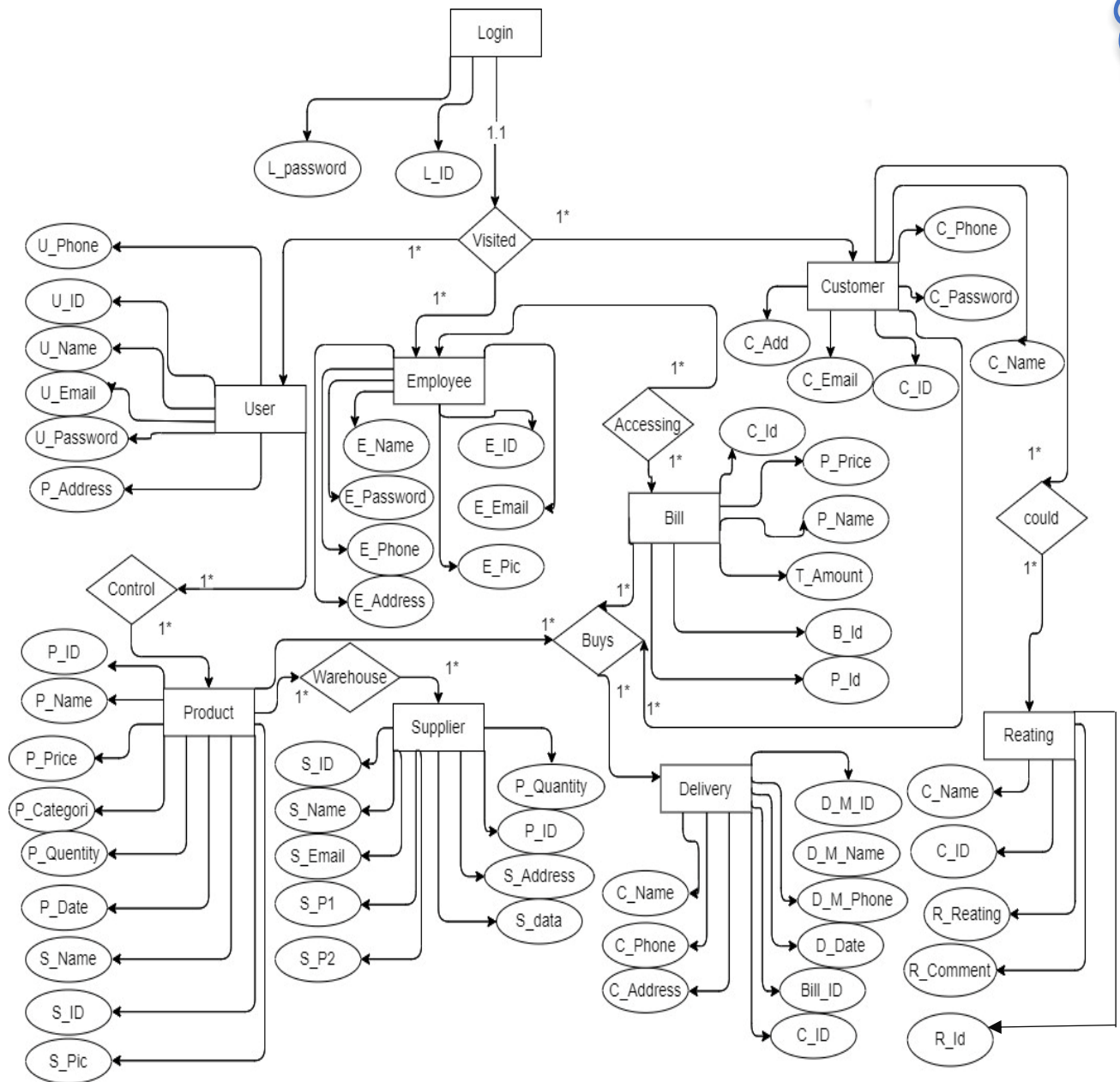
Course	OBJECT ORINTED PROGRAMMING 2	Group	9
--------	------------------------------	-------	---

Project Title: Super Shop Management System

Group Members:

Student ID	Name	Section
21-44634-1	Jahidul Islam Shikdar	J
20-44247-3	Samio Saif Raian Chowdhury	J
22-47153-1	Bidhan Saha	J
22-47152-1	Bedanta Saha	J

ER Diagram




Short Description

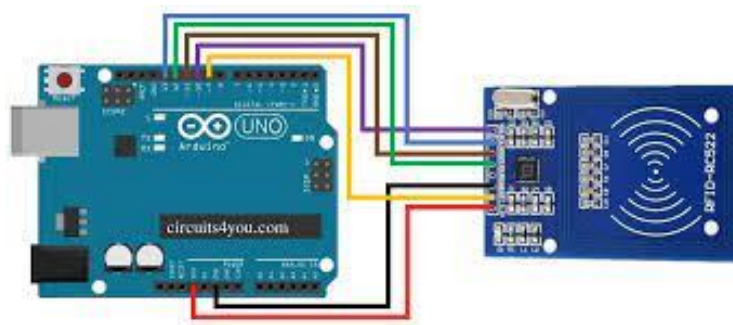
Super shop is a very large store often offering a wide variety of merchandise for sale. The Super Shop Management System is a comprehensive software solution designed to streamline and automate the operations of a retail super shop. It provides different levels of access and functionality based on user roles: User, Employee, and Customer. The system offers efficient management of products, suppliers, deliveries, bills, and customer ratings, enhancing the overall shopping experience for customers.





Functionality

User Authentication and Access Control:

- Different levels of access: User, Employee, and Customer.
 - Secure login and authentication for each user role.
 - User role-based access control to restrict unauthorized access.
-
- User Management: The system allows different types of users to log in, each with specific privileges based on their roles: User, Employee, and Customer User access to all the properties.
 - Product: Users can manage product details, categories, prices, and Quantity. Real-time Stock tracking helps maintain accurate stock records. Also, the barcode maker and barcode link are saved in the database.
 - Supplier Management: Users can manage suppliers, view supplier information, and track orders deliveries Date, and product details.
 - Delivery Management: Users can track and manage the delivery process, ensuring timely and accurate order deliveries to customers Details.
 - Billing System: Employees can generate bills for customers' purchases, calculate total costs, and product ID can be found in a barcode using a camera, Special customers to prove that he is special customer, then have to carry a Card which is detected by RFID if detect customer card then employee get 100 – 200 TK less in the total amount and amount should be up to 1000 TK and provide printed or digital invoices.
 - Customer: The customer has to give some information it will help the customer rating operation.
 - Customer Ratings: Registered Customers have the option to provide ratings and reviews for advertising and services. But Customers must give an ID and password for the whole system rating.
 - Employee management: Employee access only bill. for using bill employee must give the employee ID and Name.
 - Access Control: Role-based access control ensures that each user can only access the features and information relevant to their role, enhancing security and privacy.
 - Sales History: The system provides insights into Bill analysis using a pie chart.
 - User-Friendly Interface: The system features an intuitive and user-friendly interface, making it easy for all users to navigate and perform tasks efficiently.
- 



It has a cursor hand for every button, auto search operation, password hide, Limit of every textbox with different value labels, DataGrid view has a click event when clicking any data auto shows all the information in every textbox.

Student ID	Name	Contribution
21-44634-1	Jahidul Islam Shikdar	Full Design, Design responsive, (loading+ login Functionality)
20-44247-3	Samio Saif Raian Chowdhury	Report write.
22-47153-1	Bidhan Saha	Data base half, All Form Functionality, Maps, connection
22-47152-1	Bedanta Saha	Database half, Arduino, QR Code, Bar Code, MP3

