

**Green University of Bangladesh**

**Department of Computer Science and Engineering**

**(CSE)**

**Faculty of Sciences and Engineering**

**Semester: (Summer, Year: 2025), B.Sc. in CSE (Day)**

**PROJECT PROPOSAL**

**Course Title:** Database System Lab

**Course Code:** CSE 210

**Section:** 232-D3

**Student Details**

| **Name** | | **ID** |
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| **1.** | Rukonuzzaman Topu | 232002280 |

**Submission Date :** **2/08/2025**

**Course Teacher’s Name : Farhana Akter Sunny**

| **Lab Report Status**  **Marks: ………………………………… Signature:.....................**  **Comments:.............................................. Date:..............................** |
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**1. TITLE OF THE PROJECT**

Super shop database system.

**2. INTRODUCTION**

This project is about building a database for a Super Shop using SQL. The database will help store and manage information about products, customers, and sales in an organized way. It will make the work easier, faster, and more accurate by replacing manual records with a digital system. This system will also help the shop grow by keeping everything in order.

**3. PROBLEM STATEMENT AND MOTIVATION**

**Problem statement:** In many shops, data is stored manually. This causes errors, slow service, and missing data.  
**Motivation:** The motivation for this project is to build a system where all data is connected, easy to update, and ready for future growth.

**4. OBJECTIVES**

* To create a database that can manage customers, products, and sales easily.
* To ensure data is organized, error-free, and easy to access using SQL.

**5. RELATIVE STUDY**

|  |  |  |
| --- | --- | --- |
| Software Name | Spacific Work | Limitation |
| Shwapno | Store website data | Don’t show the stock for customers |

**6. PROCEDURE**

**i.** **Design the Tables**

* Identify the main entities (like Products, Customers, Orders etc).
* Identify the attributes for each table.

**ii. Set Primary and Foreign Keys**

* Assign primary keys to uniquely identify each row in a table.
* Use foreign keys to connect related tables.

**iii. Insert Data**

* Add data into each table using SQL insert operations.

**iv. Search or Retrieve Data**

* Use queries to search or view specific data based on conditions.

**v. Update and Delete Data**

* Modify existing data or remove unnecessary data when needed.

**7. E-R DIAGRAM**

