

**Department of Computer Science**

Term Project Proposal, Fall 2021-22

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| Course | OBJECT ORIENTED PROGRAMMING 2 | Group | 05 |

**Group Members:**

|  |  |  |
| --- | --- | --- |
| Student ID | Name | Contribution |
| 19-39535-1 | HOSSEN, MD AL AMIN | User Interface Design, System’s Coding, Database Connection |
| 18-38323-2 | AHMED, TANVIR | Database Dictionary, Database Create |
| 19-41287-3 | ANAN, MUNSHI AZMAIN AHMED | Project Features, Database Create |

**Project Title:**

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| Super shop Management System |

**Project Description:**

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| * **Admin** * Login into the system * Update the system’s dashboard. * Manage Inventory (Insert, Update, Delete or Search a product in the inventory). * Manage Manager information (Insert, Update, Delete or Search Manager information). * Manage Salesman (Insert, update or delete Salesman information). * Manage Supplier (Insert, update or delete Supplier’s information). * Manage Notices (Insert, Modify or Delete notices for the user). * Update User’s profile. * Log out from the system. * **Manager** * Login into the system. * Check the system’s dashboard. * Manage Inventory (Insert, Update, Delete or Search a product in the inventory). * Manage Salesman (Insert, update or delete Salesman information). * Manage Supplier (Insert, update or delete Supplier’s information). * Manage Notices (Insert, Modify or Delete notices for the user). * Log out from the system. * **Salesman** * Login into the system * Check the system’s dashboard. * Manage Inventory (Insert, Update, Delete or Search a product in the inventory). * Manage Supplier (Insert, update or delete Supplier’s information). * Check the notices. * Log out from the system. |

**Data Dictionary:**

1) Inventory\_Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Length | Nullable |
| **Primary** | Product\_ID | Varchar | 50 | No |
|  | P\_Name | Varchar | 50 | No |
|  | P\_Type | Varchar | 50 | No |
|  | P\_Quantity | int | 10 | No |
|  | P\_Price | int | 10 | No |

2) Expense\_Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Length | Nullable |
| **Primary** | Expense\_ID | varchar | 50 | No |
|  | E\_Details | Varchar | 50 | No |
|  | E\_Date | Varchar | 50 | No |
|  | E\_Type | Varchar | 50 | No |
|  | E\_Amount | int | 10 | No |

3) Supplier\_Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Length | Nullable |
| **Primary** | Supplier\_ID | Varchar | 50 | No |
|  | S\_Name | Varchar | 50 | No |
|  | S\_Type | Varchar | 50 | No |
|  | S\_Phone | int | 10 | No |
|  | S\_Address | Varchar | 50 | No |

4) Expense\_Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Length | Nullable |
| **Primary** | Salesman\_ID | Varchar | 50 | No |
|  | S\_Name | Varchar | 50 | No |
|  | SJoining\_Date | Varchar | 50 | No |
|  | SLeaving\_Date | Varchar | 50 | No |
|  | S\_Salary | int | 10 | No |
|  | S\_Phone | int | 10 | No |

5) Manager\_Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Length | Nullable |
| **Primary** | Manager\_ID | Varchar | 50 | No |
|  | M\_Name | Varchar | 50 | No |
|  | MJoining\_Date | Varchar | 50 | No |
|  | MLeaving\_Date | Varchar | 50 | No |
|  | M\_Salary | int | 10 | No |
|  | M\_Phone | int | 10 | No |

6) Notice\_Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Length | Nullable |
| **Primary** | Notice\_Num | int | 10 | No |
|  | N\_Type | Varchar | 50 | No |
|  | Notice | Varchar | 50 | No |

|  |  |  |
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| * At least 2 types of Users * One Complete Repository * Database Connection Class. * Normalized DB (2NF) * Form Validation | * Search Option for all users. * OOP Principles * Application Layer (Form Design). | * Database CRUD operations * All the Forms MUST be connected. * Entity Classes |

**Instructions:**

* Fill up *name, id, section, project title* and *project description* area.
* Mention all the **Entities** and **attributes for each Entity** clearly in your Project proposal.
* Specify how many **roles** are there in your system what are their **individual functionalities**.
* You must provide your Project Proposal Data dictionary in the format given below.
* Please don’t write anything for **GROUP** and don’t select anything for **Requirements** section.
* Your project must fill all the requirements given in the requirement section.
* You have to **fill and upload** the document by
* Only one member per group should **upload** the file.
* Only first page is required for your proposal submission. This page only contains instructions and example.