**Department of Computer Science**

Term Project Proposal, Spring 2019-20

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| Course | OBJECT ORIENTED PROGRAMMING 2 | Group |  |

**Group Members:**

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| Student ID | Name | Section |
| 18-36556-1 | Md. Shakibul Alam | I |
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**Project Title:**

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| Gadget Shop Management System |

**Project Description:**

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| * Shop Manager/Admin   + Manages the Employees of his shop( Can Add New Salesman and Remove Salesman, Update Salesman Address, Name, Salary)   + Search Salesman by Name   + Do CRUD Operation on Shop Product List   + Search Product by Name, Id, Price   + Can Sale Product using Shopping Cart   + Make bill and print the Sale Details * Salesman   + Do CRUD Operation on Shop Product List   + Sell Product to Customers   + Search Product by Name, Id, Price   + Search for Desired Product for Add to Cart   + Make bill for customers and print an invoice   --------------------------------------------------------------x----------------------------------------------------------------  **Data Dictionary:**  **Login :**    **Salesman:**    **INVENTORY:**    **BillInfo:**   Entity and Respective Attributes Login:   1. Id 2. Name 3. Password 4. Employee\_Role 5. EmployeeName   Salesman   1. Salesman\_Id 2. Salesman\_Name 3. Address 4. Salary   Inventory   1. Product\_Name 2. Product\_Id 3. Price 4. Quantity   BillInfo   1. bill\_id 2. productidQuantity 3. SoldBy 4. FinalBillAmount 5. Due 6. DateTime 7. ProductDetails 8. CustomerName 9. MobileNumber | | |
| **Requirements**: |  |  |
| * At least 2 types of User * One Complete Repository * Database Connection Class. * Normalized DB (2NF) | * Search Option for all users. * Use of delegates * OOP Principles * Application Layer (Form Design). | * Database CRUD operations * All the Forms MUST be connected. * n-Tier Architecture. * Entity Classes |