**Department of Computer Science**

Term Project Proposal, Fall 2020-21

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| Course | OBJECT ORIENTED PROGRAMMING 2 | Group |  |

**Group Members:**

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| Student ID | Name | Section |
| 18-36828-1 | MD. SAIF CHOWDHURY | F |
| 18-37772-2 | ASHIQUR RAHAMAN RIDOY | F |
| 18-37801-2 | MD. MUZAKKER HOSSAIN | F |

**Project Title:**

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| ***Library Management System*** |

**Project Description:**

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| * Admin   + Add/Remove Librarian(s) (CRUD)   + View Inventory * Librarian   + Add/Remove Books (CRUD)   + Add/Remove Members (CRUD)   + Issue Books   + Return Books   + Penalty   + View Inventory * Members * Change Account Credentials * Book Status * Borrow/Buy Books * Penalty Status (if previous penalty not cleared then cannot issue new books) * View Inventory   --------------------------------------------------------------x---------------------------------------------------------------- | | |
| **General Requirements**: |  |  |
| * At least 2 types of User * Db Connection Class. * Normalized DB (2NF) * Desktop based App * Use of properties * Proper form validation | * Search Option for all users. * OOP Principles * Form Design * Use of delegates * Proper use of access modifiers | * Database CRUD operations * All the Forms MUST be connected. * Login Form can only have ID & Password. * Use of multiple Layers (Bonus) |

**Instructions:**

* Fill up *name, id, section, project title* and *project description* area.
* Specify how many **roles** are there in your system what are their **individual functionalities**.
* Please do not write anything for **GROUP** and do not 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 19th December 12 pm.
* 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.

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