

**Department of Computer Science**

Term Project Proposal, Fall 2021-22

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| Course | OBJECT ORIENTED PROGRAMMING 2 | Group | 06 |

**Group Members:**

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| Student ID | Name | Contribution |
| 20-42743-1 | Golam Shahriar Toky | Functionality, Feature, managing project, UI designing |
| 20-42794-1 | Shah Nawaj Fahim | Database design, database connections, code testing |
| 20-43656-2 | Kangkhita Zaman Urbee | Ui design, form creation |

**Project Title:**

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| Pharmacy Management System [PMS] |

**Project Description:**

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| * Company * Managing companies * Keeping track of companies * Delete rejected company * Calculate the expenditure * Medicine * Take the list of existing medicine * Checking the quantity of existing pills * Keeping track of the current price of the medicine * Employee * Managing the list of working people * Keep the workers phone number * Making list of the employees accordingly * Admin * Maintain confidentiality * Login as the owner  |  |  |  | | --- | --- | --- | | **Use Feature Name** | **Actor** | **Feature Story** | | Login | USER | As a admin (user of the system) I want to use the application and enjoy the functionality | | Show all items | USER | Admin can see all the saved data by clicking this | | Update | USER | Admin can update Employee , Company and Medicine data | | Delete button | USER | Admin need to click this button to delete selected item | | Enter seller id | admin | Admin have to input buyer id whom account he want to delete | | Back | USER | User can get to the HOME page of the application | | Logout | USER | Admin can logout from the system | | Exit | USER | User can close the application |     **…............................................................x....................................................................**  [Data Dictionary (Database schema example in given in the next page)  Table\_1  Table name: Medicine   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Key | Name | Data Type | Length | Nullable | | **Primary** | MedId | INTEGER |  | No | |  | MedName | VARCHAR | 50 | No | |  | MedPrice | VARCHAR | 50 | No | |  | MedQuantity | VARCHAR | VARCHAR | No |   Table\_2  Table name: Companies   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Key | Name | Data Type | Length | Nullable | | **Primary** | ComId | INTEGER | 10 | No | |  | ComPhone | VARCHAR | 50 | No | |  | ComBill | VARCHAR | 50 | YES |   Table\_3  Table name: Employee   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Key | Name | Data Type | Length | Nullable | | **Primary** | EmployeeId | INTEGER | 10 | No | |  | EmployeeName | VARCHAR | 50 | No | |  | EmployeeAge | VARCHAR | 50 | YES | |  | EmployeePhone | VARCHAR | 50 | NO | | | |
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| * Database Connection Class. * Normalized DB (2NF) * Form Validation | * Use of delegates * OOP Principles * Application Layer (Form Design). | * Database CRUD operations * All the Forms MUST be connected. * n-Tier Architecture. * Entity Classes | |

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| **Project Description Example:**   * The project comes with an organizing system of pharmacy management. Here only the admin gets to log in and enjoy the features where there is an ordered list for companies, existing- non existing medicines and also for the workers working. The admin can easily keep in track with the help of this project by maintaining simple and beautiful UI based application.   **Example for User Stories,** |

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| **Use Feature Name** | **Actor** | **Feature Story** |
| Sign In | Admin | As an admin of the system, I want to sign-in to the system to access the features of the system. |