Department of Computer Science

Term Project Proposal, [Spring 2022-2023]

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| Course | OBJECT ORIENTED PROGRAMMING 2 | Group | 03 |

**Group Members:**

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**Project Title:**

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| REAL ESTATE MANAGEMANT SYSTEM |

**Project Description:**

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| The Real Estate Management System (REMS) is a comprehensive software solution designed to streamline the management of real estate properties and enhance client relationships. This system aims to provide a user-friendly interface for administrators, property managers, buyers and sellers to efficiently handle property listings and other client inquiries.   * Admin * **User Management:**   -Add, update, and delete all user types: employees, owners, and clients.   * **Property Management:**   - Add, update, and delete properties and their categories.   * **Issue Management:**   - Receive issues from users.  - View, search, and mark issues made by users as solved.   * **Password Reset:**   - Ability to reset passwords for users when necessary.   * Employee * **User Management:**   -Add, update, and delete all user types: owners, and clients.   * **Property Management:**   - Add, update, and delete properties and their categories.   * **Issue Management:**   - Receive issues from users.  - View, search, and mark issues made by users as solved.   * **Password Reset:**   - Capability to reset their own password for account security.   * Owner * **Update Profile Details:**   -Ability to update their own profile details   * **Manage Proposals with Clients:**   - Add proposals to clients for properties  -Receive proposals from clients for their properties.  -Negotiate terms and conditions with clients regarding property transactions.   * **Receive Client Issues:**   - Receive and view issues or inquiries submitted by clients regarding their properties or the system.   * **Password Reset:**   - Capability to reset their own password for account security.   * Client * **Update Profile Details:**   -Ability to update their own profile details.   * **Submit Issue:**   -Ability to submit issues or inquiries regarding properties or the system.   * **Submit Proposal to Owner:**   - Option to add proposals to owners by selecting a property and initiating negotiations.   * **View Property Listings:**   -Access to view available property listings and relevant details for consideration.   * **Password Reset:**   - Capability to reset their own password for account security.  ----------------------------------------------------------------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 * Proper use of access modifiers | * Database CRUD operations * All the Forms MUST be connected. * Login Form can only have ID & Password. * Exception Handling |

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