DIRE DAWA UNIVERSITY

SCHOOL OF COMPUTING

Measurement Criteria for a OOP (Object-Oriented Programming)

Mini- Project

❖ **Object-Oriented Concepts**: Adherence to OOP principles such as inheritance, encapsulation, polymorphism, and abstraction.

❖ **Functionality**: The project should meet the specified requirements and should work as expected.

❖ **Testing**: Adequate testing should be performed.

❖ **Documentation**: The project should include clear and concise documentation, including comments in the code.

❖ **Code quality and maintainability**: readability, structure, and organization of the code, making it easy to understand, modify and extend in the future.

❖ **Correctness and functionality of program**: This measures how well the program meets the specified requirements and performs its intended function without any errors.

❖ **Object-Oriented Design and principles**: This measures the usage of object-oriented concepts such as inheritance, encapsulation, abstraction, and polymorphism in the design of the program.

❖ **Code documentation and comments**: These measures the quality of the documentation provided with the code, including comments, class and method descriptions.

❖ **File operation** (read and write) must be implementing in your project.

❖ **Exception handling and error management**: This measures how well the program handles exceptions and errors, ensuring the program run smoothly and don't crash.

❖ **Security**: This measures the level of security provided by the program, including protection against unauthorized access, data theft, and malware.

❖ **Collaboration and teamwork**: This measures the extent to which the team works together, communicates effectively, and shares knowledge and expertise.

❖ **Presentation**: The project should be presented in a professional and organized manner, including a demo of the project's functionality.

❖ Your project must implement the following user interface

➢ Login Page [Client –side Page, Admin side Page]

➢ About us Page (Team Members)

➢ Exit the System

Here are some possible Java mini project Titles:

1. Pharmacy Management System
2. Supermarket Billing System
3. Library Management System
4. Hotel Management System
5. Bank Management System
6. Movie Ticket Booking System
7. Inventory Management System
8. Student Record System
9. File Management System
10. Billing and Invoicing System
11. Human Resource Management System
12. Point of Sale System
13. Online Shopping Store
14. Airline Ticket Booking System
15. Train Ticket Booking System
16. Bus Ticket Booking System
17. Car Rental System
18. Customer Relationship Management System
19. Electronic Voting System
20. Health Management System

Note:

➢ The requirements and functionality of each project will depend on your goals and the requirements of your project.

➢ It's possible to use your own title (different from the above list of titles)

➢ **Weight**: 25-30%

➢ **Due date**: 28/10/2017 - 30/10/2017 E.C