Higher Diploma in Information Technology

**Object Oriented Programming (Java)**

**Year 1 Semester 2 – 2023 November/December**

**Group Project Specification**

**Intended Learning Outcomes:**

At the end of the class the students should be able to:

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To identify user requirements and develop Object Oriented Concepts

To develop Java application and prepare a project proposal.

CareCare is a vehicle Reparing and Maintenance company which sells spare parts, repair vehicles, and repaint cars. Currently their entire business process is operated with an excel sheet and emails. As a startup company your group has been hired to automate the manual process of Car Care. The following main business requirements have been discussed by the client. Implement a java Swing Application to automate the business requirements.

1. Manage Customer Orders (Add,Update,Remove)
2. Manage Suppliers (Add,Update,Remove)
3. Manage Inventory.
4. Manage Employees in the organization.
5. Allocate Employees to Customer Jobs.
6. Monthly Reports related to sales.
7. Send notification to the Customers when the customer Vehicle is ready to be collect.
8. Send notification to Employees when a new order Job has been allocated via email.

# Note: Fill the Task allocation Table in the registration form by the task numbers given above. Main Submissions

1. Group registration form along with the work allocation to the course web
2. Final project after the final examinations

# Document Submissions by individual group members (check course web for deadlines)

1. Use case diagrams.
2. class diagrams
3. ER diagrams. **Marking Guide Template** Check the course web