**Date of Allocation: 5th November, 2014**

**Date of Project Submission: 29th December, 2014**

**Project Title: AL-Nayesh Mart**

**Project Scenario & Requirement:**

Info com, a newly started software company provide software solutions to automate small businesses. Mr. Dell, the project manager is working on a new assignment for Al-Nayesh mart, a retail store. Having performed the required analysis with the management of Al-Nayesh Mart, he has prepared a software model. Your team needs to develop a GUI based java Application to achieve the basic functionality of the software that are listed below

Type of Software: Retail Sales Management

Features:

1. When the application is launched, it gives a list of types of users such as Manager and Employee. Based on the type of users, a window will be launched such as For Manager a different window to see the details and for Employee a different window
2. Authorized Employee need to enter ID and name to go to start the Main window of the Application
3. The screen should have a welcome message “Welcome to AL-Nayesh Mart”
4. When an Employee login using their ID and password, the administrator want to keep a log of the login time of the employee and also the log out time and be able to view how many user are logged in
5. Window for Manager consist of **MENU** to perform the following task:
   1. Employee Management
      1. Add details of New Employee
      2. Update Employee Records
      3. Delete Employee Records
      4. Search Employee Records
      5. Update employee password
   2. Inventory Management
      1. Check the total available Items in the stock based on Item number
      2. Check the details of the items based on item number
      3. Update the price of the item
      4. Remove the items from the list that are not to be sold
      5. Add new items in the store
   3. Sales Data
      1. Check total sales based on Employee
      2. Check total sales based on the month
6. Window for Employee consist of menu to perform the following task:
   1. Check details of items such as price and other details but **CAN NOT MAKE ANY CHANGES**
   2. **Check their employee details but cannot make any changes**
   3. **Check their monthly or daily sales but cannot update it**
   4. **Sales form to sell the items**
   5. **Be able to select the item number and get the price and the name details and only need to enter the Quantity**
   6. **If any item is out of stock then cannot sell that**
7. In case the Inventory level falls below 10 for any item and a mail should message should go to the Manager
8. While manager is updating the price or changing the details, others cannot view it
9. To fulfill the business rules implement required validations such as
   1. Item No must be integer
   2. Price must be integer
   3. Employee ID must begin with “E” followed by any 3 digits
   4. Password must be 6 characters long

**Guidelines:**

1. You need to design one model of how you would make the project such as Menu Design, skills to be used, Class interaction, Navigation between the classes and the Menu and different modules of the project
2. Use a standard naming conventions, comments, variable names, class names etc
3. Allocation of task among the team members by the Team Leader after discussing the team members
4. No Copy and paste
5. Need to get ready for Project Progress review (Discuss about the work done and the task to be completed)

**Documents needed for Final Submission:**

1. Project File in MS-Word in a standard format (Project Documentation)
2. The Net Beans project file
3. Project Presentation file (PPT file) to be used for the project presentation
4. Project Progress tracker or the development milestone