**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.

Info com ， 一个新开始的软件公司提供了一项软件解决方案来使小企业实现管理自动化。

Mr. Dell, the project manager is working on a new assignment for Al-Nayesh mart, a retail store. Having

Mr. Dell,是这个项目的负责人，他正致力于一个新的任务，为了一个叫Al-Nayesh mart的零售商店

performed the required analysis with the management of Al-Nayesh Mart, he has prepared a software

他已经执行了Al-Nayesh Mart的必需的分析管理操作，他已经准备好了一个软件

model. Your team needs to develop a GUI based java Application to achieve the basic functionality of

模型。你的团队你需要制作一个基于JAVA应用的 GUI来实现列在下面的这个软件的一些基本功

the software that are listed below

能。

Type of Software: Retail Sales Management

软件类型：销售管理

Features:

特点

1. When the application is launched, it gives a list of types of users such as Manager and Employee.

当登录这个应用的时候，它会提供一张用户类型的表单，例如是经理还是员工。

Based on the type of users, a window will be launched such as For Manager a different window

基于使用者的类型，一个窗口将会被登录，例如是只提供给经理的一个不同的窗口

to see the details and for Employee a different window

来看部分细节，而为员工提供另一个不同的窗口。

1. Authorized Employee need to enter ID and name to go to start the Main window of the

经过认可的员工需要输入ID和姓名来开始这个应用的主要界面

Application

1. The screen should have a welcome message “Welcome to AL-Nayesh Mart”

屏幕上必须显示出的一条信息是“Welcome to AL-Nayesh Mart”

1. When an Employee login using their ID and password, the administrator want to keep a log of

当一个员工验证了他们的ID和密码,那么这个管理系统就会记录下

the login time of the employee and also the log out time and be able to view how many user

这个验证时间和退出的时间，并且可以查看一共有多少员工登录进入系统

are logged in

1. Window for Manager consist of **MENU** to perform the following task:

为经理提供的窗口应该包含一个菜单来实现以下功能：

* 1. Employee Management

员工管理

* + 1. Add details of New Employee

添加新员工的 信息

* + 1. Update Employee Records

更新员工记录

* + 1. Delete Employee Records

删除员工记录

* + 1. Search Employee Records

查找员工记录

* + 1. Update employee password

更新员工密码

* 1. Inventory Management

存储管理

* + 1. Check the total available Items in the stock based on Item number

核查在仓库中能够卖出的所有物品，这是基于物品编号而定的

* + 1. Check the details of the items based on item number

核查所有物品的信息，这也是基于物品的编号而定的

* + 1. Update the price of the item

更新物品的价格

* + 1. Remove the items from the list that are not to be sold

在商品清单中删除不会出售是商品

* + 1. Add new items in the store

在仓库中增加新的物品

* 1. Sales Data

销售数据

* + 1. Check total sales based on Employee

以员工为基础核查销售（个人业绩）

* + 1. Check total sales based on the month

以月为基础查看销售额（总的月销量）

1. Window for Employee consist of menu to perform the following task:

为员工提供的窗口应该包含一个菜单来实现以下功能：

* 1. Check details of items such as price and other details but **CAN NOT MAKE ANY CHANGES**

**查询物品的一些信息例如价格和其他的，但是这不会改变数据，只是查看**

* 1. **Check their employee details but cannot make any changes**

**查询员工信息，但是同样不会改变数据**

* 1. **Check their monthly or daily sales but cannot update it**

**查询他们的月销量或者日销量，但是不能更新数据**

* 1. **Sales form to sell the items**

**销售物品的销售形式**

* 1. **Be able to select the item number and get the price and the name details and only need to enter the Quantity**

**能够选择物品的编号，就能知道它的价格和名字以及信息，而且需要输入物品的数量才能知道价格（这边就是相当于弄个函数）**

* 1. **If any item is out of stock then cannot sell that**

**如果有任何物品售罄了，他们就不能再被卖了**

1. In case the Inventory level falls below 10 for any item and a mail should message should go to the Manager

如果仓库中有任何物品的库存量低于10 的时候，就必须以邮件形式通知经理

1. While manager is updating the price or changing the details, others cannot view it

当经理正在更新商品价格和信息的时候，别人是不能查询物品信息的

1. To fulfill the business rules implement required validations such as

实现企业的这些功能需要的一些东西如下

* 1. Item No must be integer

物品编号必须是Integer

* 1. Price must be integer

价格必须是integer

* 1. Employee ID must begin with “E” followed by any 3 digits

员工ID必须是以E开头而且接下里是跟着三个数字

* 1. Password must be 6 characters long

密码必须是6位数

**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