ISTANBUL SABHATTIN ZAIM UNIVERSITY

DEPARTMENT OF COMPUTER ENGİNEERİNG

FACTORY MANAGEMENT SYSTEM

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Project Proposal

Assigment #1

**Introduction**

In the factory management system, the goal is to manage all departments from a single center. The system gives everyone different powers as bosses, managers and employees.We will develop the software everybody.

**List of Objects:**

* Employees
* Finance
* Production planning
* Stock managemnt
* Department
* Customer currents cards and points
* Products descriptions
* Order tracking
* Factory expense(electric,water,gass)

**Detailed functions**

**1.Employees**

**Function Name Description**

|  |  |
| --- | --- |
| **Add employee** | **Add a New Employee** |
| **Delete employee** | **Delete an employee** |
| **promotion** | **Give promotion any employee** |
| **deductible** | **Deductible any employee** |
| **employee information** | **Show employee details** |
| **login** | **Login to system** |
| **logout** | **Logout to system** |
| **update employee information** | **Update employee information** |
| **search by ID** | **Search employee by ıd** |
| **search by Department** | **Search employee by department** |

**2.Finance**

**Function Name Description**

|  |  |
| --- | --- |
| **Payment entry** | **payment received from the customer or rental of company property or sell any investment etc.(all of payment entry)** |
| **Payment output** | **All of payment output(salaries,buy anything,raw matterials ,if there is rent,anything..)** |
| **Payment entry details** | **Who is the reference ?,date,location,time,etc.** |
| **Payment output details** | **Confirming person,amount,confirming date,payment date etc.** |
| **Show the case movement** | **Show the case moment for date ,time,person .** |

**3.Production planning**

**Functions Nanem Descriptions**

|  |  |
| --- | --- |
| **Add a new work order** | **Add a new work order and Show the required material list .when add the new work order ,the person should be enter the employee ıd.** |
| **Delete work order** | **Delete completed work order** |
| **Half product controlf** | **Programm check the half product for start production** |
| **Purchase order** | **İf there is no half material fastly create purchase order and send purchasing manager.** |
| **Show work order queue** | **shows work orders that were in production** |
| **Show past work order list** | **shows past work orders that were in production** |

**4.Stock managemnt**

**Function Nanem Descriptions**

|  |  |
| --- | --- |
| **Entry products to store** | **The products comşng to store from assembly.** |
| **Out products to store** | **The products out to store for customer shipment or send the assembly departmen for production** |
| **Automatic work order** | **Automatically creates work order if any product falls below the critical quantity** |
| **Shows stock materials** | **The users are seen everywhere the stock quantity.** |

**5.Department**

**Function Names Description**

|  |  |
| --- | --- |
| **Add department** | **Add a new department** |
| **Delete department** | **Delete any department** |
| **Update deatils** | **Update the details** |
| **Show departments(tree)** | **Show the departmen tree** |

**6.Customer currents cards and points**

**Function Name Descriptions**

|  |  |
| --- | --- |
| **Add new customer** | **Add a new customer to databes** |
| **Delete any customer** | **Delete any customer to database** |
| **Show customer list** | **Show all of customer list** |
| **Show payment dates** | **Show the customer payment dates** |
| **Update the customer details** | **Update the customer details** |

**7.Order tracking**

**Function Name Descriptions**

|  |  |
| --- | --- |
| **Add order** | **Add a new order** |
| **Delete order** | **Delete the order** |
| **Show all order** | **Show all order list** |
| **Show the popular products** | **Show the most popular products** |

**8.Factory expense**

**Functions name Descriptions**

|  |  |
| --- | --- |
| **Add the bills** | **Add the bills and explained** |
| **Show the all of expense** | **The program collects all expenses from the database and reflects on the screen** |
| **Update the details** | **Update the any details** |

**9.Products descriptions**

|  |  |
| --- | --- |
| **Add a new products** | **Add a new products(name,weighy ,dimensions,color,material ,barcode number,product time etc.)** |
| **Delete the any products** | **Delete the database any product.** |
| **Show the products list** | **Show the product list with product details** |
| **Update the products details** |  |