



Topic : Textile and Garment management system

Group no : MLB\_05.02\_1

Campus : Malabe

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We declare that this is our own work and this Assignment does not incorporate without acknowledgment any material previously submitted by anyone else in SLIIT or any other university/Institute. And we declare that each one of us equally contributed to the completion of this Assignment.

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### Exercise 1:

1) List down the requirements you have identified, for the system you need to implement. There should be at least 10 different requirements excluding the user login.

❖ System analyst, staff, Material supplier, supervisor, Distributor, Engineer, Assistant Manager, Customer, these are the people who interact with the system.

1. Everybody who are interact with system must be register to the system.
2. Assistant Manager can generate monthly report.
3. System analyst can validate everyone who are entering to the system by log-in.
4. System analyst can update staff details to the database.
5. System analyst can check the material details on material database.
6. System analyst can check stock availability.
7. Material supplier must log-in by the system.
8. Material supplier can input given material.
9. Material supplier can evaluate stocks.
10. Material supplier can generate material cost report.
11. Material supplier can enter import cost.
12. Register customer can enter to the system by log-in.
13. If customer is new to the system, he/she must register to the system after then system analyst validate his details.
14. Distributor can enter completed task report and he/she can collect task report from the system.
15. Supervisor can assign distribution task and he/she can generate problem report, enter machinery cost, enter machinery's problem to the system.
16. Engineer can get machinery's malfunction report from the database.
17. Staff can enter attendance to the system.
18. Customer can make the payment by using cards and online payment method.
19. Customer can get the order receipt and payment receipt from the system analyst after the payment made.

2) Do a Noun Verb analysis to the nouns you identify in your description

#### NOUN

1. Assistant manager
2. System analyst
3. Staff
4. Database
5. Material supplier
6. Distributor
7. Supervisor

8. Engineer
9. Customer
10. Payment
11. Order
12. System

3) List down the classes you have identified to implement your system using noun verb analysis.

1. Assistant manager
2. System analyst
3. Staff
4. Database
5. Material supplier
6. Distributor
7. Supervisor
8. Engineer
9. Customer
10. Payment
11. Order
12. System

### Exercise 2:

Class name: - Assistant manager	
Responsibility:	Collaboration:
Generate monthly report	Database

Class name: -System analyst	
Responsibility:	Collaboration:
Validate users	System, database
Update staff details	Database
Check material details	Database
Check stock availability	Database
Register customers	
Issue payment receipt	Payment

Class name: - Material supplier	
Responsibility:	Collaboration:
Log-in to the system	System
Input given material	System
Evaluate stocks	Database
Generate material cost report	Database
Input import cost	System

Class name: -customer	
Responsibility:	Collaboration:
Log-in	system
Make payment	Payment
Get order receipt	Order

Class name: - Distributor	
Responsibility:	Collaboration:
Enter completed task report	System
Collet task report	Supervisor

Class name: - supervisor	
Responsibility:	Collaboration:
Assign distribution task	Distributor
Generate problem report	
Enter machinery cost	System
Enter machinery's problem	System

Class name: - Engineer	
Responsibility:	Collaboration:
Get machinery's malfunction report	Database

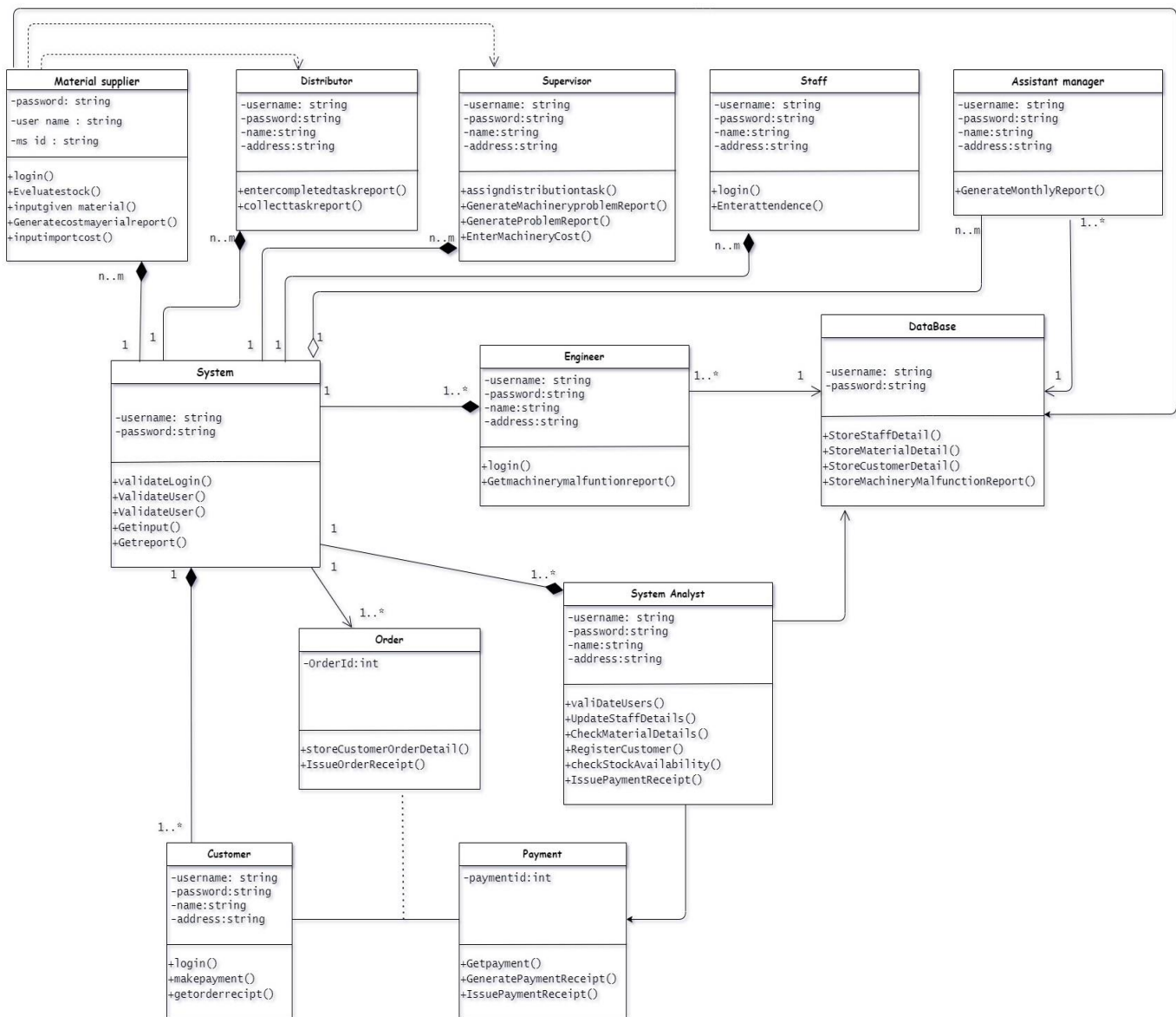
Class name: - staff	
Responsibility:	Collaboration:
Enter attendance	System

Class name: - Database	
Responsibility:	Collaboration:
Store staff details	
Store material details	
Store customer details	
Store machinery's malfunction report	Engineer

Class name: - System	
Responsibility:	Collaboration:
Validate log-in	Material supplier, customer
Validate users	
Get input	
Get reports	

Class name: - Payment	
Responsibility:	Collaboration:
Get payment	Customer
Generate Payment receipt	
Issue payment receipt	System analyst

Class name: - Order	
Responsibility:	Collaboration:
Store Customer details	Customer
Issue order receipt	Customer, payment



```

include <iostream>
#include <string>
using namespace std;

class Materialsupplier{
private:
    string username;
    string password;

public:

    Materialsupplier();
    void displaydetails();
    void displaydetails(string a,string b);
    void login();
    void Evaluatestock();
    void inputgivenmaterial();
    void Generatecostmaterialreport();
    void inputimportcost();
    ~Materialsupplier();

};

void Materialsupplier::displaydetails(string a,string b){

    username=a;
    password=b;
}

void Materialsupplier::displaydetails(){

    cout<<"default constructor called";
    cout<<"Username"<<username;
    cout<<"Password"<< password;

}

void Materialsupplier::login(){}

void Materialsupplier::Evaluatestock(){}

void Materialsupplier::inputgivenmaterial(){}

void Materialsupplier::Generatecostmaterialreport(){}

void Materialsupplier::inputimportcost(){}

```

```

Materialsupplier:: Materialsupplier(){}

Materialsupplier:: ~Materialsupplier(){

    cout<<"Destructor called";
}

class system{

private:

Materialsupplier *msid;

public:

    void validateLogin() ;
    void validateUser();
    void Getinput();
    void Getreport();
    void accessmsid(Materialsupplier*id1);
};

void system::accessmsid(Materialsupplier*id1){

    msid=id1;
}

void system::validateLogin(){}

void system::validateUser(){}

void system:: Getinput(){}

void system::Getreport(){}

int main(){

Materialsupplier msh;
msh.displaydetails("Kumar","Kumar1999");

return 0;

}

```



## INDIVIDUAL CONTRIBUTION

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