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### **SDCL for the requestion system**

The senior developer assigns me to develop a request system.

Description of the Requisition System in SDCL

1. Planing: -

In planning first I gets the details and then I planned the whole software. In which, I have to create many things for example: define function, gathering user information, create class, how the calculate the price of the item, how other items can be added, how the status can be decided and how it will work and generate the output.

#### **2. Analysis:**

In the analysis I have to decided that how many and which functions, class and methods I required to make the required code for the software. So, I first I create class of the request system and then I define some methods in it and create the object.

For example:

Cass of Requisition System

Methods:

Staff info

Requisition details

Requisition Approval

Respond requestion

Display requestions

Requisition Statistic

And then defend main function.

#### **3. Design:**

In the process of the design there are some specifications which I follow for example which type of the output should be printed. In the design define step by step so I will be the easy for the user to use the software.

#### **4. Implementation:**

In the process of implementation, I write the codes for the each and every function, class, and object. I create user input like name, date, staff id, requisition id, items name and price. I also write a code for the calculations for the item price. Also, status code should be created for example if the total cost is lower then 500 the status is not approved otherwise approved. And at the end all the statistic printed on the screen.

#### **5. Testing:**

Afthe the coding the whole code of software went for the testing. In the testing all the written code has checked many times by run in the real-world scenario. In the testing process user allow to use the software and if some error and misleading things found the at that time It gets be corrected. And also check that the software can be run smoothly and it is created as per the user requirement. Then the software delivered.

#### **6. Maintenance:**

In the last part of the SDCL maintenance play role that after the deliver the software there is any query found the fix it. In addition, the user wants to add more features and improve some features so I have to make it. This thing can be covered in the maintenance.