1.Introduction
1.1 Purpose
In Mobile Shop Management System use to maintain their sales detail in files and folders. They use to keep the record of product sold, Customers, Suppliers, etc in a register. A daily register is maintained to keep track of complaints .Preparing report is very time consuming and tedious task. For searching of single record, whole register is to be searched which is very time consuming task This document outlines the software requirements for the mobile management system for the WORLD IT CENTER (mobile shop name). It describes the functional and non-functional requirements, modeling requirements, diagrams of the proposed system. This document is intended to be read and reviewed by Dr. M.Ali Shahid.

1.2 Project Scope
The project could be implemented in an average sized organization. An average company will not be very keen on spending loads of money on ledgers. Whereas these project will greatly reduce the costs which is using common and cheap office items like database and desktop application. And also there is no requirement to store books or accounts. The data is directly stored in the database in the hard disk of the PC.

1.3 Document Conventions

> ➢ Font type: Time New Roman.
> ➢ Main heading bold words with 18 large font size, sub heading bold words with 14 large size, and simple heading bold words with 12 font size, so that reader can easily find remarkable words to concentrate.
> ➢ Words with all characters are capital refers to an abbreviation.
> ➢ Information given n parenthesis () would help the reader to understand terminologies easily

2. Overall Description
User Classes and Characteristics
1. User Of project include customers and staff
2. Customer can be Member or visitor who are accessing this system.
3. Staff Which act as administrator and controlling overall system
4. User Should IT literate And know to use computer
5. Cashier Should Know Data entry & Typing

2.2 Operating Environment
This project will be operating in windows environment .Also compatible with internet explorer.The only requirement For using this project is having machine.

2.3 Design and Implementation Constraints
This project is developed using C# on the back hand for database we are using SQL server. The product is accomplished With the login facility for user.

2.4 User Documentation

This project will include a user manual. The user manual include Complete overview of the products, Configuration of the Tool used (Sql Sever or other), technical details, backup procedures and Contact Information which will include email address and Ph# .

3.System Features
3.1 User Requirements :-
3.1.1 Functional Requirements:-

1. Make sale

1. Admin shall be able to select a mobile for sale.
2. Admin shall be able to delete a selected item.
3. Admin shall be able to update the quantity of selected products.
4. The Admin can view detail description of particular product.
5. After completing the selection of mobile Admin must enter purchaser name and phone number.
6. Software must record the information about purchaser.
7. Software must make a total bill of sale.
8. Software must generate a recipte.
9. Software must record the sale.
10. After Payment software must update the stock.

2. Return

11. Purchaser can return all mobiles.
12. Purchaser can return some products of mobiles.
13. Mobile can be returned within 10 days.
14. After return software must update sale record and stock record.

3. Purchase

15. Dealer must give its name phone number and address.
16. Software must update stock after mobile is purchased.
17. Software must maintain purchase record.

4.Manage Stock

18. Only Admin must be logged in to use this functionality.
19. Software must display mobiles which quantity is less than 100.
20. Software must generate daily report and monthly report.
21. Software must display notification when warnty of mobiles near to end.
22. Software should allow only manager or staff to manage stock.

5.Login

23. User must have to login.
24. User must have login pasward & change pasward.
25. User can delete from database which he want.

4. External Interface Requirements
4.1 User Interfaces
4.2 Hardware Interfaces

Processor:-   Pentium 4 & Above

Hard disk Capacity:-   5 GB

RAM:-   512 MB

4.3 Software Interfaces

Freamwork :-   .Net Freamwork 4.0

Database :- MS SQL Server Express Edition 2008

Reporting Tool :- Crystal Report 13.0.0.99

Operating System :- Windows 7 and higher

5. Other Nonfunctional Requirements
5.1 Performance Requirements

1. 90% of the results shall be processed in less than one second.
2. Data should be secured and backed up every quarter hour.
3. Software should be operable 24 hours a day and accessible in real-time.
4. Encryption will Enable Security

5.2 Safety Requirements

The Database may get crashed or damaged due to some viruses or operating system requirements. Therefore It is mandatory to have backup for your data. UPS / Inverter facility should be there in case of power failure.

5.3 Security Requirements
1. Software will use secure Database
2. Staff can just see the products & mark their attendance. They can not edit or modify anything except their personal information.
3. Proper Admin Authentication Will be provided.

6. Other Requirements

Domain requirements:-

1. This Software must have basic functions: storing, tracking, updating   (data or things that we keep in the store), and must be able to generate reports.
2. Every operation that occurs in this Software must concern of Data Integrity. For example, we do not want number of product in our system to become -1, or enter the product without product name.
3. Every operation that occurs in the Software must be recorded, and the Software should generate report from time to time.
4. Regarding security issue, the Software must have an authorization module to prevent unauthorized access.
5. Authorized person must be able to access the Software 24/7 except the system is under maintenance.
6. Back up unit is required for unexpected Software failure event.

System Requirments:-

1. Only Admin login to software by entering his user name and Password .If the user is someone else then he has not access. Only admin can access.

2. After logging into the Software Admin can tells complete information about customer desire product & start sale . For selection a product if product is present in the stock, then Software will show product complete details ,like quantity, price, description. If product is available then he enter the quantity customer demands, In return system calculate the total amount and show on the screen. Admin can select the number of product which user want and Software generate the recipet .After the order is confirmed Software update the database. During the sale process if purchaser can make alteration to the selected products then Admin change it .

3. After logging into the system Admin can add a new product or update the details of existing product. To add a new product admin give its name, quantity, batch no, warinty near to end, company name, dealer-id and store to database.

4. When ever a product is returned admin log into the Software write order-ID if the sale was made less the 10 days before then product is return able. After that Admin changes return index 1 which shows the product is returned and Software automatically update the stock details and sale record.

5. After logging into the software admin can view records.

1. Use Case description:-

Sale process

1. Purchasir arrives at a shop checkout with goods and/or services to purchase.
2. Cashier starts a new sale.
3. Cashier enters item identifier.
4. Software records sale line item and presents item description, price, and running total.
5. Cashier repeats steps 3-4 until indicates done.
6. Software presents total with taxes calculated.
7. Cashier tells purchaser the total, and asks for payment.
8. prchasir pays and Software handles payment.
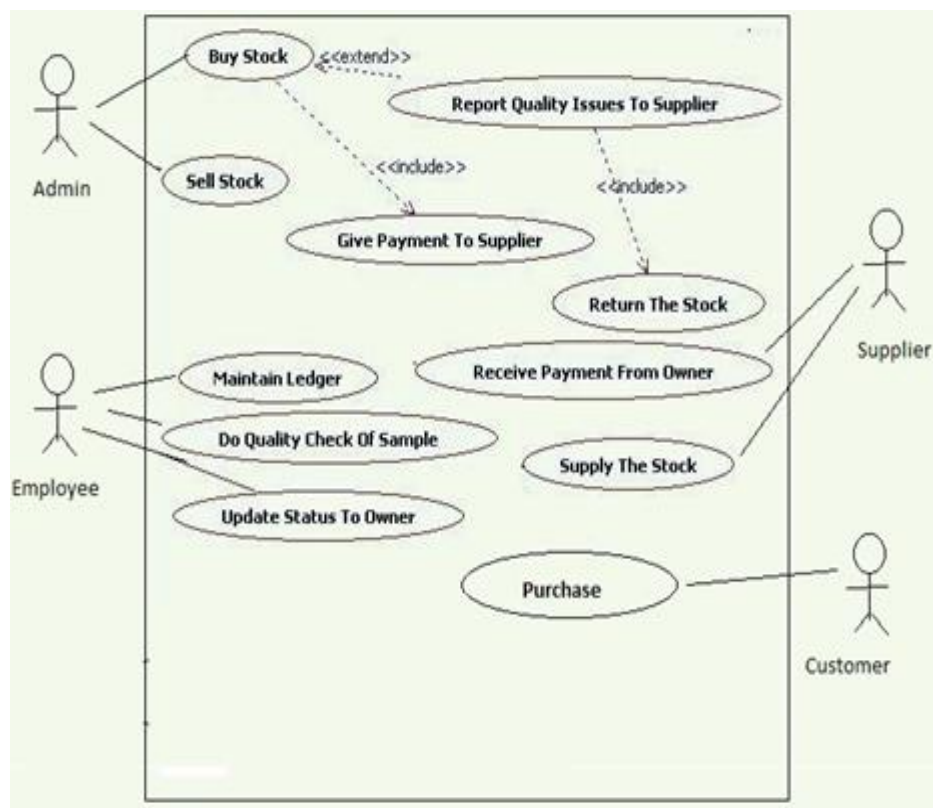
Purchase process

1. Dealer arrives at store and present mobiles.
2. Admin login to Software and check which mobiles are not available.
3. Admin purchase mobiles which are not in stock Or less in stock.
4. Admin add mobiles to stock with description, price and quantity and batch No.
5. Admin also store dealer's Name address and phone No. to keep record.
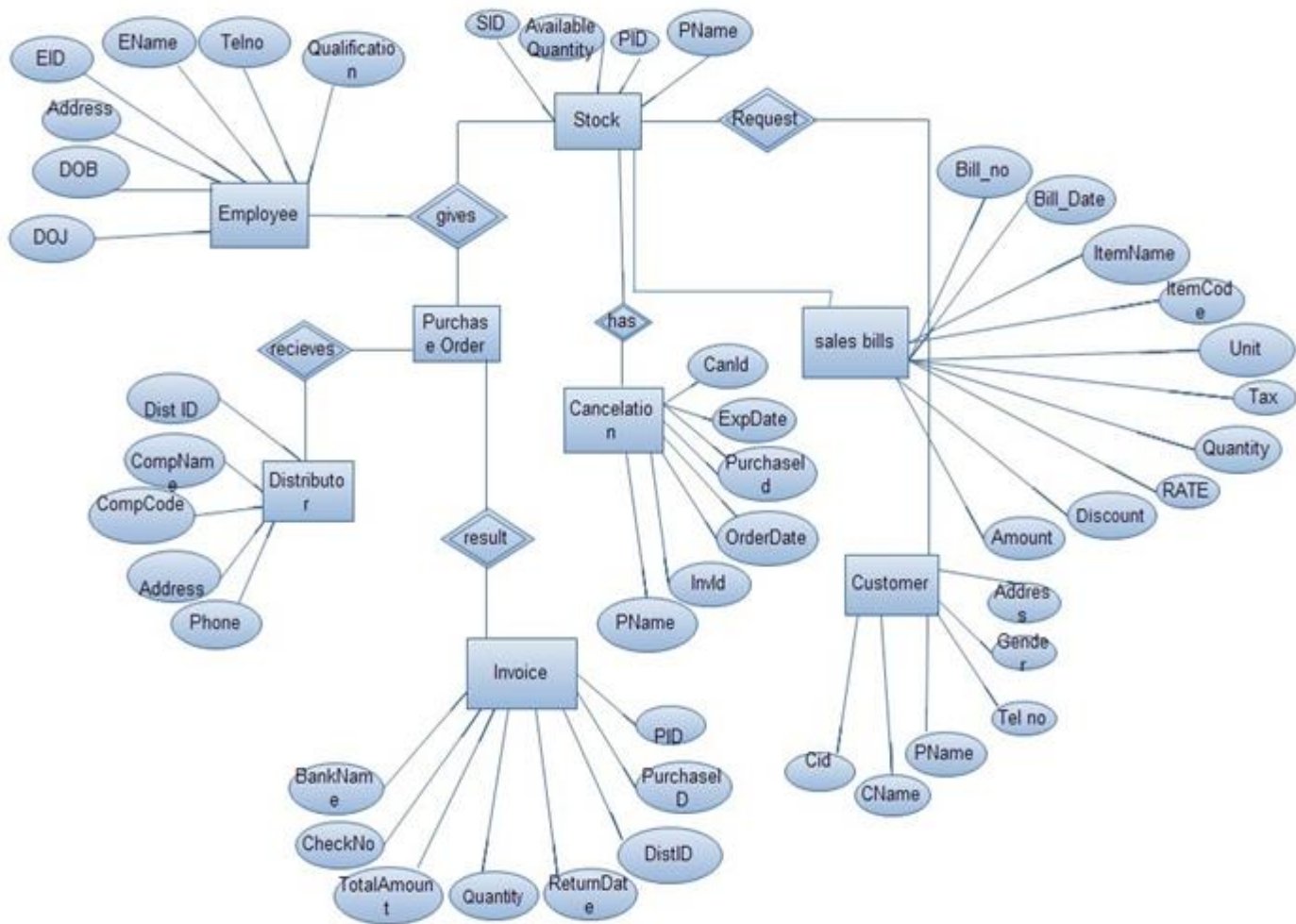6. Give payment to Dealer and input in the Softwre.

Manage Stock

1. Admin log in to system.
2. Admin view daily reports
3. Admin check which mobiles are limted or which are to be purchased more.
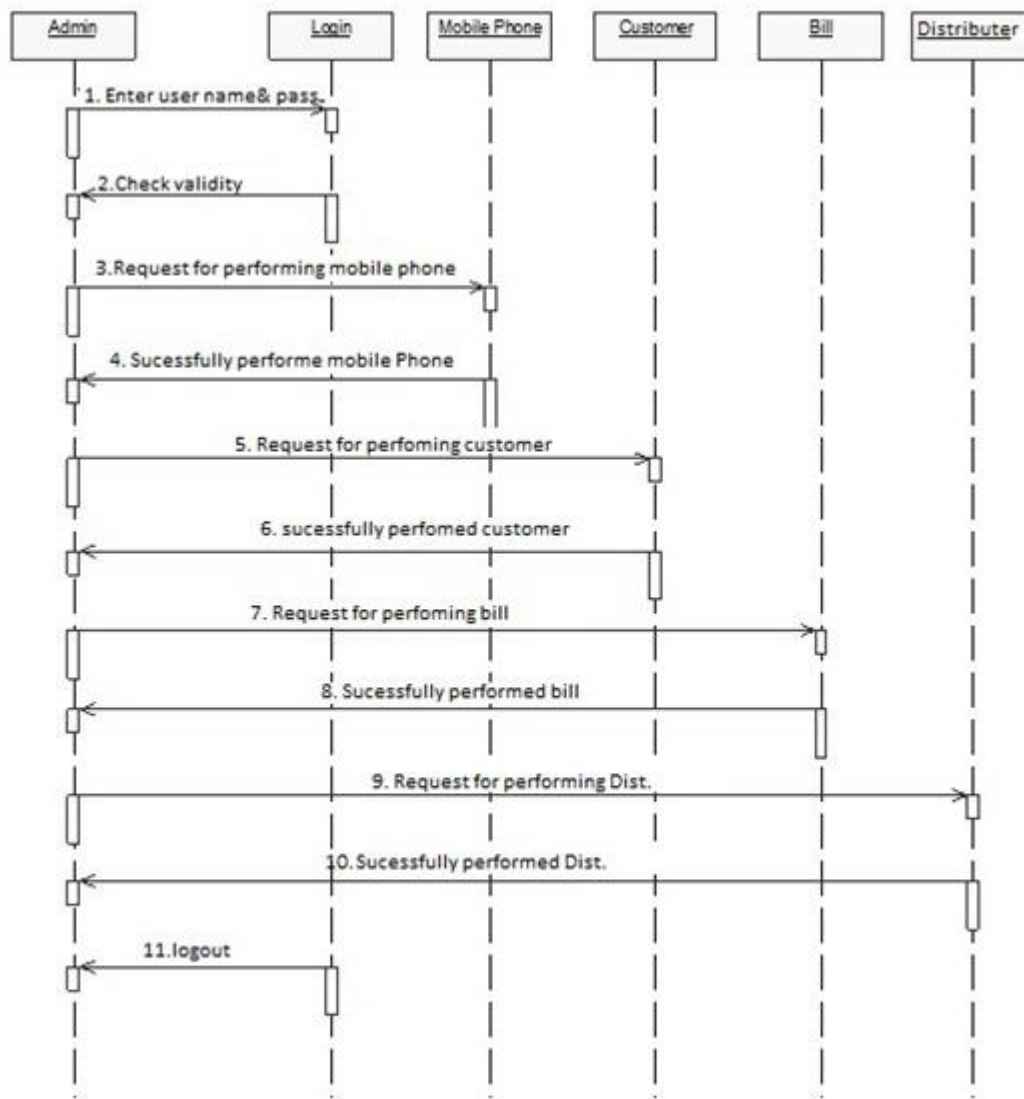4. Admin view sales and purchase records.
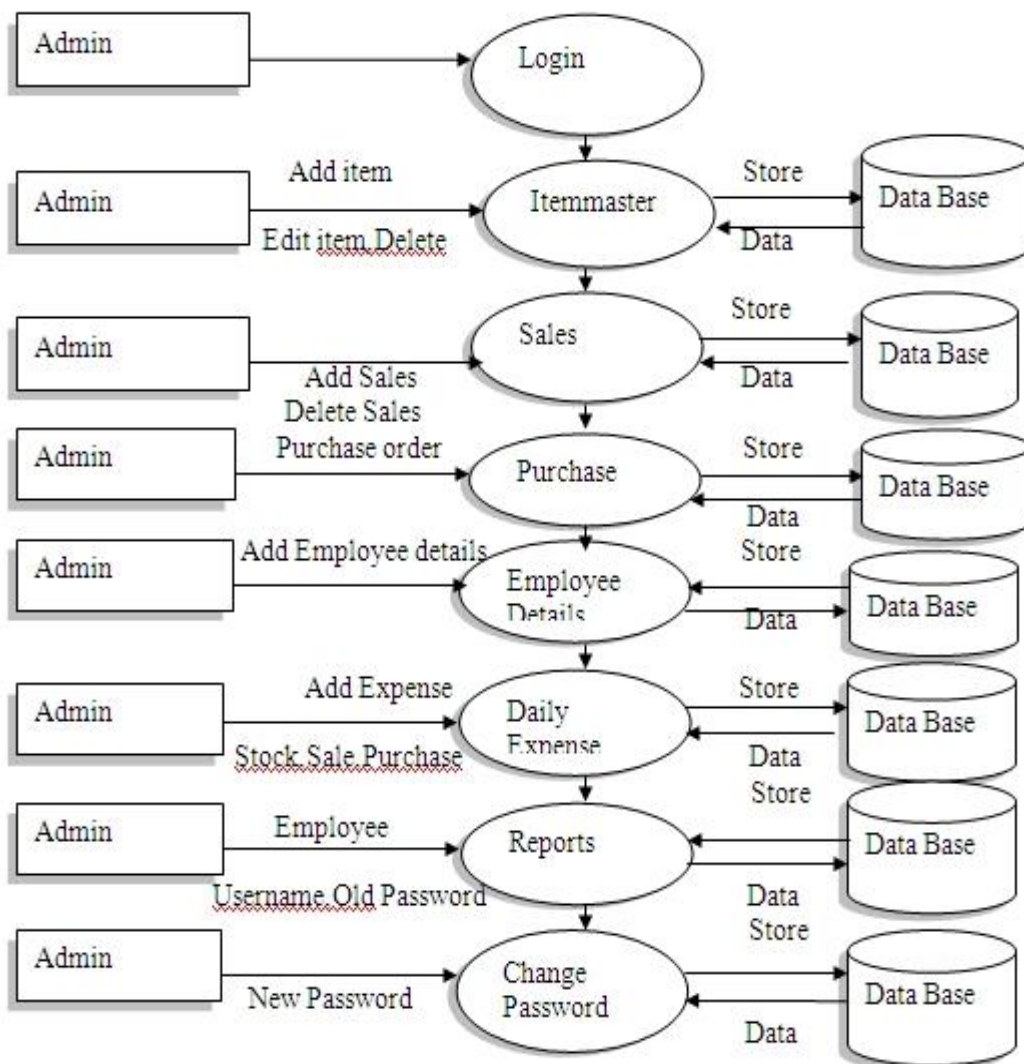
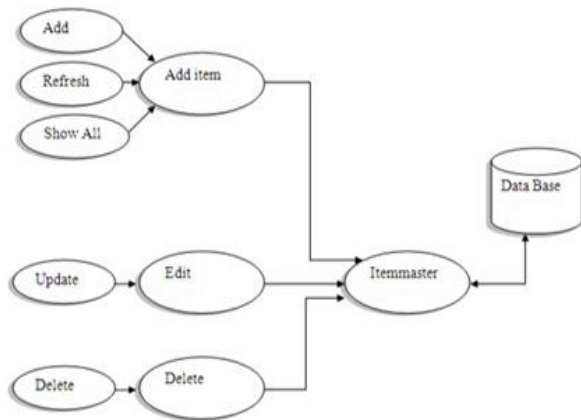# 8. UML DIAGRAMS
1. Use case

2. ER DIAGRAM

3. SEQUENCE DIAGRAM

Admin	Login	Mobile Phone	Customer	Bill	Distributer

1. Enter user name& pass.

2. Check validity

3. Request for performing mobile phone

4. Sucessfully performe mobile Phone

5. Request for perfoming customer

6. sucessfully perfomed customer

7. Request for perfoming bill

8. Sucessfully performed bill

9. Request for performing Dist.

10. Sucessfully performed Dist.

11.logout

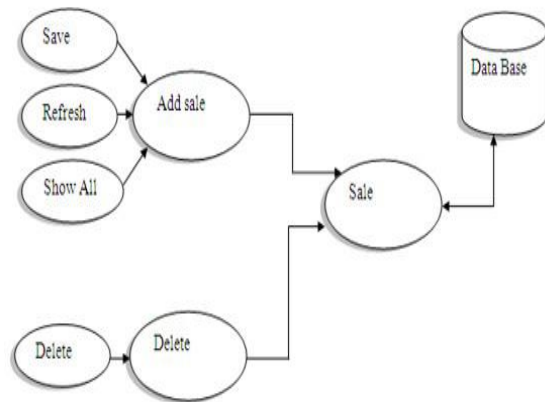# DFD - LEVEL 1(TOP LEVEL DFD)

SECOND LEVEL DFD

Second level DFD Item master   **Second level DFD Sale**
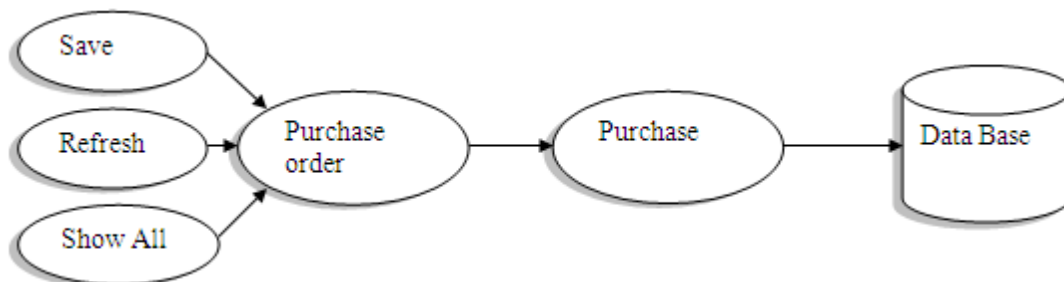

Second level DFD Purchase

Second level DFD Report