Online Packers and Movers System

www.packmoveandgo.com

Project Synopsis for DOEACC B LEVEL

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<u>INTRODUCTION</u>

The MOVERS AND PACKERS comes to our mind when we need to relocate from one place to another place or need to transfer some big materials, household etc. The MOVERS AND PACKERS Company not only transfers the materials for individuals but also for companies. The MOVERS AND PACKERS Company manages the transportation and local office location in various cities so that according to the location it can easily available to the end customers. Every local city office contains local privileges like transportation, local Go-down etc. The MOVERS AND PACKERS Company also provides transportation to the business shipments. The business of the MOVERS AND PACKERS Company runs in several steps, like it needs to keep records of the expenses, cost calculation of transportation, booking details, customer details, agent details etc. So the MOVERS AND PACKERS Company often needs a system that can fulfill all the needs and requirements of the company and helps the company to grow the business and the profit of the business.

The **SYSTEM** is designed keeping in mind the requirements of the MOVERS AND PACKERS Company. This system not only helps to the MOVERS AND PACKERS Company but also to the customer and the transportation companies working in association with the MOVERS AND PACKERS Company. Today time is a great factor and most important to everyone. Keeping this in mind web technology is used in this system so that, through Internet one can easily get the information from the system and can be able to do his required work operations from their desk.

The three important part of this system is –
   a) Enquiry
   b) Booking
   c) Status

a) Enquiry – Enquiry is a procedure in which the customer searches for a suitable place where they need to transfer the materials for them. For searching, the customer has to give few options like type of material, city, road, area etc and the system checks for any available matches and shows the user with approximate cost and additional facilities available in it. This helps the user to choose the best one for them.

b) Booking – Booking is the procedure in which the customer can order the required things to be carried at one of the available place for them. For the Booking user have to follow the Order procedure of the MOVERS AND PACKERS Company. It also includes payment for the shipment.

c) Status – Though customer can send their items to a new location, which may they don't know so it is very usual that they may want to know current status of the materials. For this they can check the status of the shipment.

Although booking can be made through the web but customer should be available at time of packing and delivery of goods. They can make a list of items, they want to transfer which will be verified at packing and delivery time. The verification process will be finished only after customer's confirmation, So that the job can be done reliably and securely. The system keeps all the records of the goods and payments of the customer. Lastly the system is designed in such a way that it is able to answer the possible query and reports required for the users.

At the time of dispatching the shipment, **builty** will be generated and a copy will be posted to customer which can be verified at the time of delivery of shipment.

The system also accepts comments and suggestions from the user so that, if it is required then the efficiency of the system can be increased.

Packers and Movers Services

- ➢ Shipping Services
- ➢ Household Shifting Service
- ➢ Relocation Service
- ➢ Cargo Services
- ➢ Packing Unpacking Service
- ➢ Warehousing Storage Service
- ➢ Car Carriers Movers Services
- ➢ Loading & Unloading Services
- ➢ Transport Services

OBJECTIVE OF THE PROJECT

The **www.PackMoveAndGo.com (ONLINE PACKERS AND MOVERS SYSTEM)"** is based on enquiry and orders for transportation to the available places. It keeps entire records of all the customers who had used the system once for the transportation of the goods and their payment details. It also keeps records of all the other resources like transportation agents and other business partners. The system helps people in a way that how they can easily send their goods or items to the required places. One can easily get the information about contact person's name, address, and telephone numbers so that they can contact them to clear their queries.

www.PackMoveAndGo.Com is an online platform for Service Seekers & Service Providers in Packers and Movers industry. It provides list of Excellent Packers and Movers, Packing Moving Service Providers of India, Household Shifting & Relocation Services Providers, Car Transportation, Office Relocation, Home, Shop, Industrial or Commercial Shifting Service Providers of India. The Reliable & Swift Packers and Movers Services providers are the best for any kind of relocation & car transportation services.

The **www.PackMoveAndGo.com (Online Packers and Movers System)"** is designed in such a way that user feel free and happy to use it and to operate it. Person having little learning in computer can easily understand it and operate it. It's attractive and easy GUI will help the user to operate it easily. This system has specially added different level of searching options. The system also provides different level of reports and queries for hardcopy as well as for soft viewing.

The remote area where the company does not have branches, it does outsourcing. So that customer will not have to bother about providing and receiving the goods from some place and again move it to the specific destination. By doing so, company can help the small agencies in a number of ways to operate their business and daily dealings. The administrator can keep record of the customer payment, agent commission payment details and also able to get the answer of the many queries and reports.

The www.PackMoveAndGo.com (Online Packers and Movers System)" really helps to others in a way that –

♦ **USER –** The Company who will use this software will require employee to work on it. So may be a little, but it helps to reduce un-employment.

♦ **CUSTOMER –** As web is used in the software customer can able to get the use of the software in their doorstep. They can able to get all the information about the Packers and Movers Company and checks the availability of their needs. Customer can get the related information and necessary procedures of the Company. They can get the information about the contact persons and agents associated with the Company.

♦ **Other Companies –** The business partners are attached to the Company. This software can help them to check their payment, expenses they can have, other guides. They can generate report of the booking in specific period of time. Except these entire agent can get the answer of general quires.

FUTURE APPLICATION OF THE PROJECT

The **www.PackMoveAndGo.com** **(Online Packers and Movers System)** is designed to execute accurately as real time system. The further enhancement can be made in different areas, especially online.

- Further if company will enhance to inventory control then as per the requirement this can be added to the same system as a part.

- Warehousing can be an enhancement for the goods if the good are required to be delivered after some time. The warehousing charges and conditions can be added later.

- Though the system correctly provides solution to all sorts of bookings like packing and moving, loading and unloading, car carriers, warehousing, office shifting, transporting etc in future if the Company starts any new operation like goods carriers, international transfer etc. then the software can be enhanced to operate all these.

- The software can be enhanced in the fields of accounts, where the Company can operate the accounts like all debits, all credits, generate specific/special financial accounting statement & etc.

- Tax calculation as TDS for the business partners can be also another enhancement in the same.

- Acceptance of queries and suggestions from the customer and Email facility would be another enhancement.

DESCRIPTION OF THE PROCESS

Modules of this Project

It is based on the management system project which is basically an online ticketing for the packers movers. It contains all the information of the package as well as all the information of the consignment with their accounts. This Project is in two part first one is admin panel and the other one is user Panel
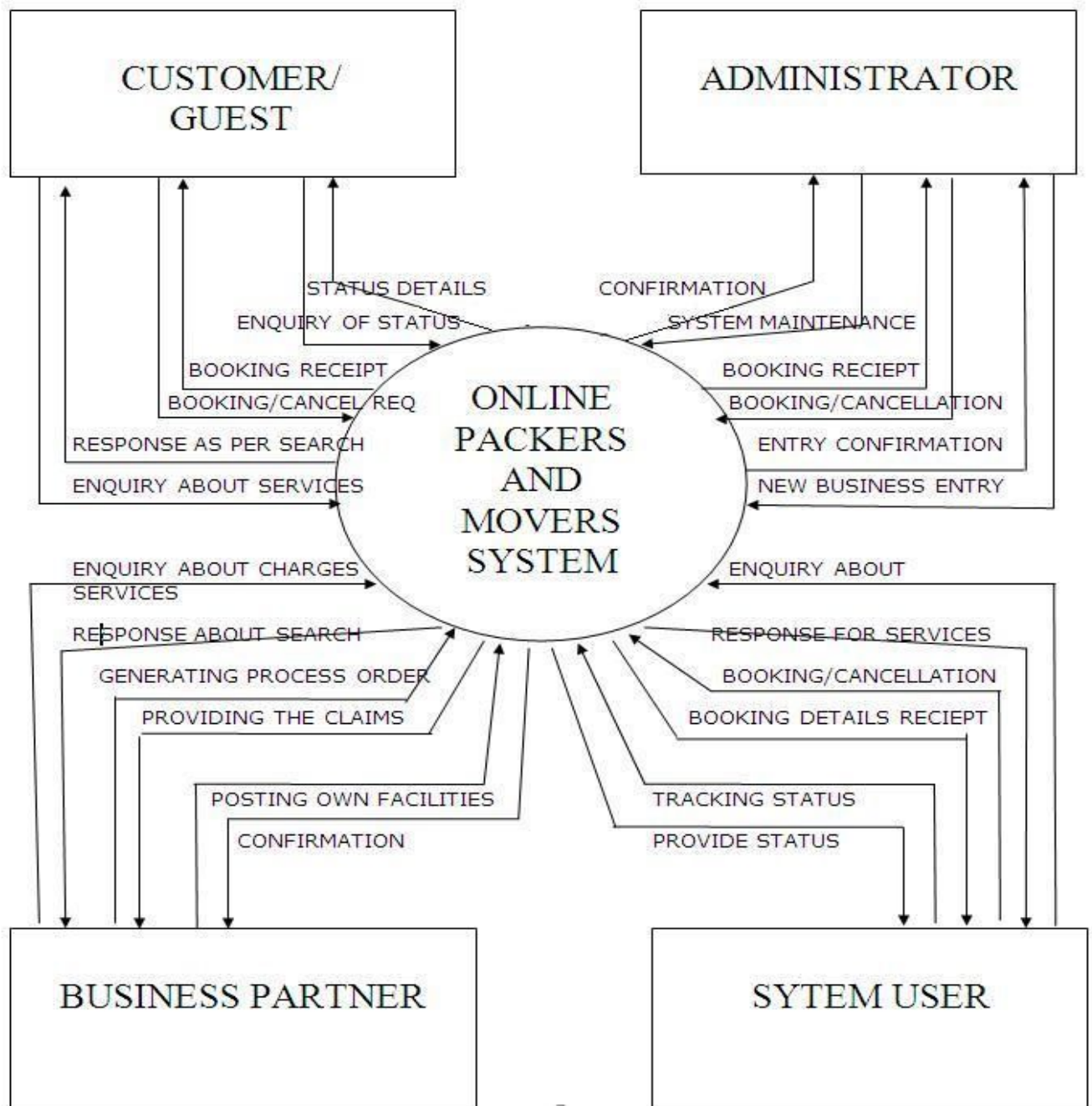
1. Enquiry for Services

    a. Charges of different Services
    b. Area/City, where services are provided

2. Online Booking System for consignment

    a. Fast online booking form
    b. Documentation of the consignment (way-bill, consignment bill, payment receipt).
    c. Advance search with company name, Docket Number, Customer name, Quotation Id, Bill Number
    d. Balance Update, Cash Payment Billing, Others

3. MIS Report

    a. Monthly
    b. Yearly
    c. Date Wise

4. Image uploading system [Pod-proof of delivery]

5. System User/Customer/Business Partner Registration
6. Consignment Status on website with filling his docket number [Advance Tracking]
7. Backup of the Database

Process of System:

Though this is a web based system, so the procedure can be started from the customer end also. The customer can check various services in the web site, according to their requirement. If any of the service they want to use, they can fill the enquiry form. After filling the enquiry form, it will be available to the main page of specific branch's system user. The system user will carry out the next procedure. System user will get the other information and will help customer, if they have any more queries. Then customer will fill the order form, depending on the order form, system user will do the booking and provide the booking information to customer, Administrator, Agent, and other required resources in the particular shipment. At any time of transiting the shipment system user, customer or admin can check the status of the shipment. After delivery of the shipment the particular shipment status will be delivered and relevant proof of
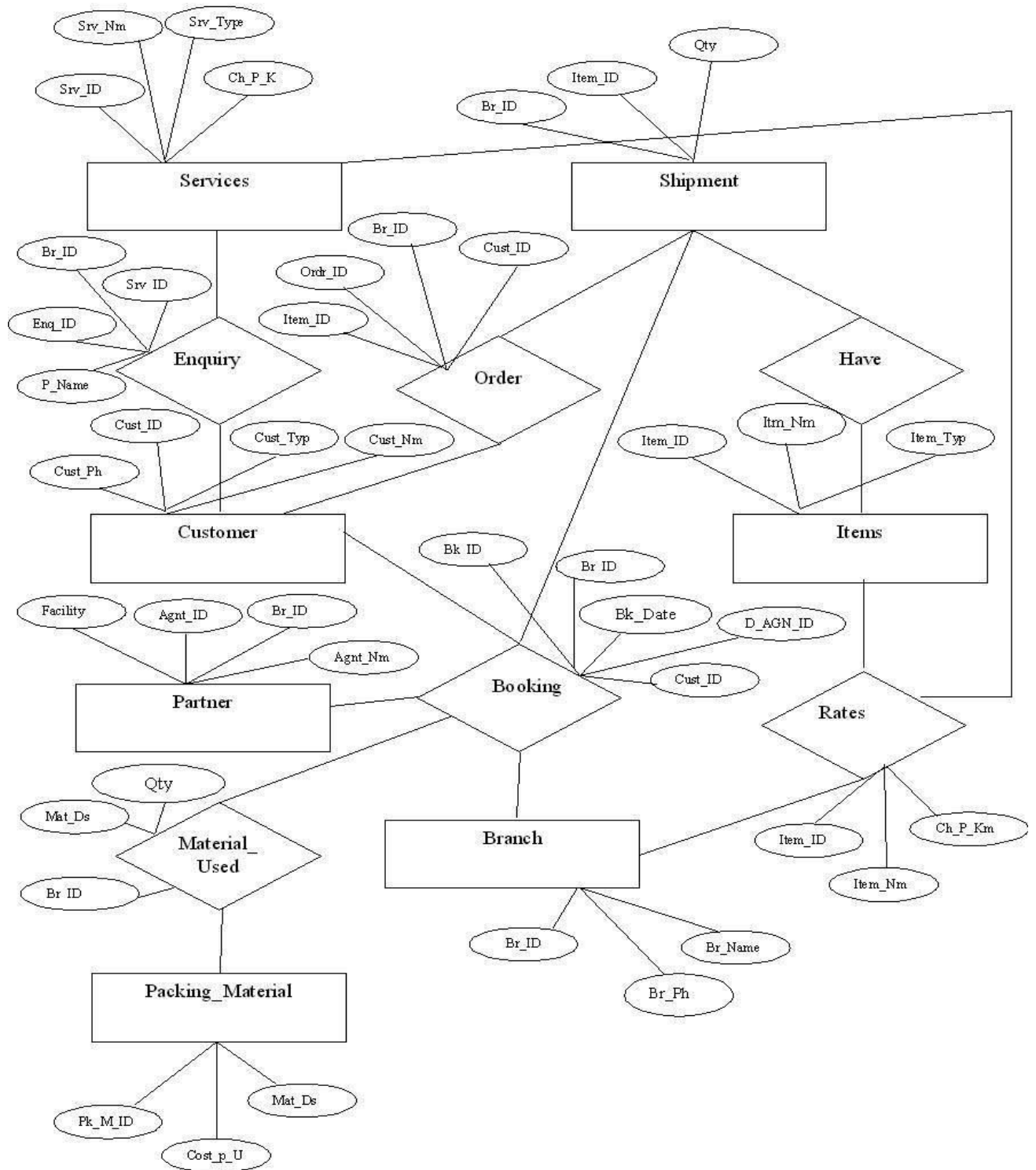
delivery will be available.

ZERO – LEVEL DFD / CONTEXT DIAGRAM

CUSTOMER/ GUEST

ADMINISTRATOR

STATUS DETAILS
ENQUIRY OF STATUS

CONFIRMATION
SYSTEM MAINTENANCE

BOOKING RECEIPT
BOOKING/CANCEL REQ
RESPONSE AS PER SEARCH
ENQUIRY ABOUT SERVICES

ONLINE
PACKERS
AND
MOVERS
SYSTEM

BOOKING RECIEPT
BOOKING/CANCELLATION
ENTRY CONFIRMATION
NEW BUSINESS ENTRY

ENQUIRY ABOUT CHARGES
SERVICES
RESPONSE ABOUT SEARCH
GENERATING PROCESS ORDER
PROVIDING THE CLAIMS

ENQUIRY ABOUT
RESPONSE FOR SERVICES
BOOKING/CANCELLATION
BOOKING DETAILS RECIEPT

POSTING OWN FACILITIES
CONFIRMATION

TRACKING STATUS
PROVIDE STATUS

BUSINESS PARTNER

SYTEM USER

7

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ENTITY RELATIONSHIP DIAGRAM

Description of ERD

Schema:

Customer
      Cust_ID, Cust_Name, Cust_Address, Cust_Ph, Cust_Type, Cust_Credit_Limit.
Description: Customer can do Enquiry of various services for its availability, charge, facility etc as per their requirement.

Enquiry
      Enq_ID, Branch_ID, Service_ID, Person_Name, Person_Address, Perrson_Ph
Description: Enquiry will be verified and further can be processed by system user or other employees of the business. After getting various information customer can place order.

Services
      Service_ID, Service_Name, Service_Type, Charge_Per_KM
Description: All the services provided by the business will be available in this.

Order
      Order_ID, Cust_ID, Branch_ID, Item_ID, Qty, Approx_Expend
Description: Order placed by customer will be available in this.

Shipment
      Branch_ID, Item_ID, Qty
Description: Shipment details with containing item will be in this.

Item
      Item_ID, Item_Name, Item_Type
Description: Possible type of item which can be selected in the process of order or booking.

Rates
      Item_ID, Charge_Per_Km, Service_Type
Description: Charge of item per km is available in this.

Branch
      Branch_ID, Branch_Name, Branch_Address, Branch_Ph, Branch_Email
Description: Business having various branches all over the india, which will be listed here.

Booking
      Booking_ID, Branch_ID, Cust_ID, Booking_Date, Src_Branch, Dest_Branch, Rate,   Pack_Load_Unload, Dest_Agent_ID
Description: For a booking, all details about a shipment including way-bill will be available here.

Business_Partner
      Agent_ID, Agent_Name, Branch_ID, Agent_Add, Agent_Ph, Facility
Description: The business partner or Agent of Business are listed here.

Packing_Materials
      Pack_Mat_ID, Pack_Mat_Desc, Cost_Per_Unit
Description: For Packing Service, the packing materials are available in this.

Material_Used
      Branch_ID, Pack_Mat_ID, Qty

Description: record of materials to pack and their charge's.

SIGNIFICANCE OF THE APPLICATION:

- LAN and WAN based application product.
- Online Consignment Tracking System. One can track the consignment online.
- Online Booking of Consignment.
- Accounts and Reports are very ease to understand:--
  - a. Date wise.
  - b. Month wise.
  - c. Year wise.
  - d. City wise or Branch wise.
- Admin can control the pilferage of any branch. Any branches associate cannot hide any thing. It is totally controlled by the specific docket no, which will be allocated by Administrator only.
- It can generate the Daily Sales Report/Monthly Sales Report/Yearly Sales Report of any branches which are using this software.
- This is web based application so it is required to make data secure and should not be affected by any virus of computer.
- We can use this software at the same time in different branches.
- Online Quotation/Billing-Using this software, we can send the quotation online with your prescribed format to any party and save the one copy at email address for future reference which will be protected by login id and password.
- This software is extendable for Pay pal or any Payment Gateway.
- User friendly Manual will be provided by the e Trade Services.

HARDWARE AND SOFTWARE REQUIREMENTS

Hardware Requirements

Server: Minimum Intel P4 processors, 1 GB RAM, 40 GB hard disk, 500 Hz Motherboard, Mouse, Keyboard, Color monitor, CD drive, Floppy Drive, modem, zip drive or CD writer for backup device.

Client: Minimum Intel P2 processors, 256 MB RAM, 4.3 GB hard disk, 300 Hz Motherboard, Mouse, Keyboard, Color monitor, Floppy Drive, Internet Connection.

Software Requirements

Server:

- **OS:** Windows - 7 or above.
- **Database:** ORACLE 11g (Server Edition) or above.
- **Web Server:** Weblogic 12C
- **Web Interface:** HTML, DHTML, JSP, Java Script, Angular JS.
- **Web Explorer:** IE 11x or above.

Clients:

- **OS :** Windows 7 or above
- **Web Explorer:** IE 11x and above.

Development Software:

- **OS:** Windows – 7 or above.
- **Database:** ORACLE 11G or above.
- **Web Server:** Weblogic 12C or above
- **Web Interface:** Angular JS, HTML, DHTML, JSP, Java Script.
- **Language:** Java, JSP, Servlet, Java Beans.
- **Framework :** Spring MVC, Hibernate
- **IDE :** Eclipse
- **Web Explore:** IE 11x and above.

SYSTEM TESTING:

In this system testing is being done at four levels: - First Unit Testing begins at each module. Then Integration Testing is done where the focus is on design and the construction of software architecture. Then we encounter Validation Testing where requirements are established as part of software requirement analysis that is validated against the software that has been constructed. Finally we arrive at System Testing where the software and other system elements are tested as a whole.

SECURITY MECHANISMS:

In this system, for the security "Log-In" module has been designed. In this system, there are three type of user like employees (System User), Customer and Administrator (Management) of the company. Administrator can access every modules of the software. System User can give booking information and payment information of a customer, there is another user like customer who can view the information of his own, can book an order and can query about their bookings etc. All the Customers first have to register and after registration they will get valid user id and password using that user id and password user can login to the system and use the system. The password and other sensitive information will be saved in database in encrypted form.

CONTRIBUTION:

This web-based www.PackMoveAndGo.com (Online Packers and Movers System) is designed to execute accurately as online, real time system. This system fulfills all basic needs of Moving and Packing Company like booking, transportation, carriers etc. All company in present days offers special discount to their customer and they take feedback from all customer before making, so

customer can feel the company has made it for them specially. This is the contribution of this project.

LIMITATIONS:

This web-based www.PackMoveAndGo.com (Online Packers and Movers System) company has some limitation is as follows: the exact location of goods, the packing and unpacking can not be online; system does not consider build of other commercial like factories and infrastructures. However having these limitations this software has the capability to be enhanced in future to overcome the above limits *e.g.* It can be enhanced in the way that it provides biometric sensors to the consignments, and to get the payment from the bank for the customer; online payment acceptance from the customer through payment gateway using credit cards or bank transfer and etc.

CONCLUSION:

This software fulfills all the requirements of Packers and Movers Company. It solves the entire problem like booking, transporting, car services etc. The most powerful feature is the processing of keeping track of a consignments starting from booking, Outsourcing. The present day management system renders service to the customer in various needs and many modes of customization. They can get relief to use this software.

Thank you