

A Project Presentation
on
Logistics Services



Presented by
Pratyush Priydarshi

Table Of Content

Abstract

Problem Statement

Existing Systems

Proposed System

Software Development Life Cycle

Classification of SDLC

Comparison between SDLC Models

SDLC Model Used : Evolutionary Model

Phases of Evolutionary Model

Requirement Gathering and Analysis

System Requirements

Table Of Content(Cont...)

Flow Chart

Use Case Diagram

Data Flow Diagram

Entity Relationship Diagram

Implementation Phase

Testing Phase

Conclusion

Future Enhancement

Publication

Reference

Abstract

Logistic Services are the elements of our supply chain, from the factory to the end customer.

It helps customer to deliver their shipment.

It deals with getting products and services from one location to another location.

Problem Statement

The ideal goal of logistics management is to get the best and effective ways to transfer the resources and products from first place to destiny and the customer.

Data manipulation is difficult with the traditional approach.

There are absence of tracking and They are not providing cost calculator.

Existing Systems

There are many Systems:-

- Gati Logistics Services

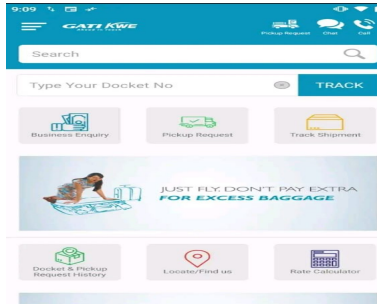
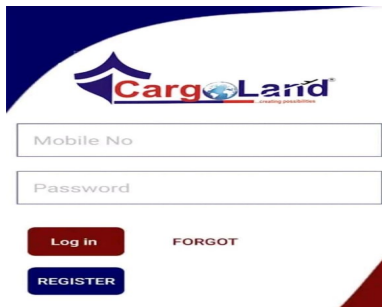


Figure: (1.1) GATI Logistics

- They are not providing cost calculator.
- They are not providing insurance facility.

Existing System(Cont...)

- Cargoland Logistics Services



The image shows the login interface for Cargoland Logistics Services. At the top, there is a blue header with the Cargoland logo, which consists of a stylized blue arrow pointing up and to the right, followed by the text "Cargoland" in a blue serif font, with "LOGISTICS" in a smaller, lighter blue sans-serif font underneath. Below the header, there are two white input fields with thin blue borders. The first field is labeled "Mobile No" and the second is labeled "Password". Below these fields, there are three buttons: a red button with white text labeled "Log in", a blue button with white text labeled "REGISTER", and a text link labeled "FORGOT" in blue. The background of the page is white with a blue curved design element on the left side.

Figure: (1.2) Cargoland Logistics

- They are not providing location tracking of shipment.
- They are not providing cost calculator.

Proposed System

- In this we are providing a static tracking facility for the customer so that easily they can track their shipment.
- We are providing cost calculator also for calculating the exact price of the shipment.

Software Development Life Cycle

The Software Development Life Cycle (SDLC) refers to a methodology with clearly defined processes for creating high-quality software. In detail, the SDLC methodology focuses on the following phases of software development:

- Requirement analysis
- Software design
- Coding
- Testing
- Maintenance
- Extension and Redesign

Classification of SDLC

- **Waterfall Model :**

- Pros : Before the next phase of development, each phase must be completed.
- Cons : It is not desirable for complex project where requirement changes frequently.

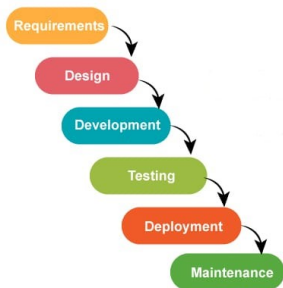


Figure: (2.1) Waterfall Model

Classification of SDLC (Cont...)

- **Spiral Model :**

- Pros : Risk handling is one of important advantages of the Spiral model, it is best development model to follow due to the risk analysis and risk handling at every phase.
- Cons : It is not suitable for small projects as it is expensive.

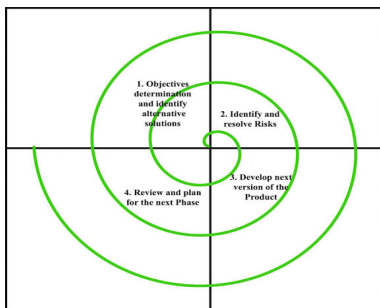


Figure: (2.2) Spiral Model

Classification of SDLC (Cont...)

- ***RAD Model :***

- Pros : Requirements can be changed at any time.
- Cons : Needs strong team collaboration and highly skilled developers.

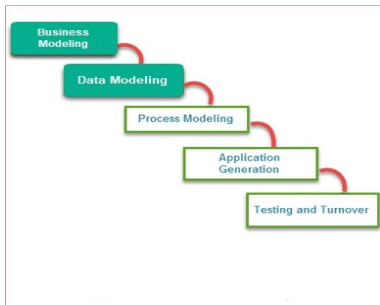


Figure: (2.3) RAD Model

Classification of SDLC (Cont...)

- **Increment Model :**

- Pros : Generates working software quickly and early during the software life cycle.
- Cons : Rectifying a problem in one unit requires correction in all the units and consumes a lot of time

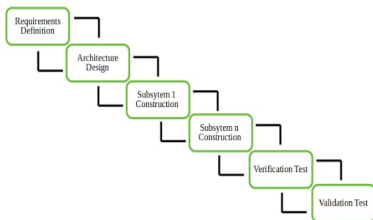


Figure: (2.4) Increment Model

Comparison between SDLC Models

Properties	Water-Fall	Incremental	Spiral	Rad
Objectives	High Assurance	Rapid Development	High Assurance	Rapid development
Planning in early stage	Yes	Yes	Yes	No
Returning to an earlier phase	No	Yes	Yes	Yes
Handle Large-Project	Not Appropriate	Not Appropriate	Appropriate	Not Appropriate
Time-Frame	Very Long	Long	Long	Short
Working software availability	At the end of the life-cycle	At the end of every iteration	At the end of every iteration	At the end of the life cycle
Risk Involvement	High	Low	Medium to high risk	Low

Figure: (3.1) Comparison of SDLC models

SDLC Model Used : Evolutionary Model

Evolutionary model is a combination of iterative and incremental model of software development life cycle. The Evolutionary development model divides the development cycle into smaller, incremental waterfall models in which users are able to get access to the product at the end of each cycle. Evolution is a process that results in changes in the genetic material of a population over time.

Advantages :

- The user has checked every stage during the development.

Phases of Evolutionary Model

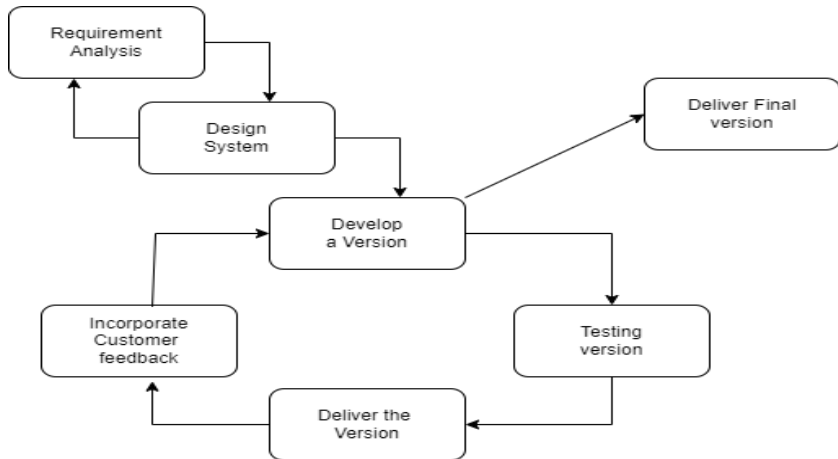


Figure: (4.1) Phases of Evolutionary Model

Requirement Gathering and Analysis

- ***Requirements Gathering :***

- Brainstorming
- Interview
- Document Analysis

- ***Requirement Analysis :***

- Draw the context diagram
- Model The requirements
- Finalise the requirements

System Requirements

- ***Software Requirements :***

MySQL database

Xampp server

Any code editor

An Internet connection

- ***Hardware Requirements :***

1GB RAM

32-bit CPU (Intel / AMD architecture)

10 GB HDD Storage

Flow Chart

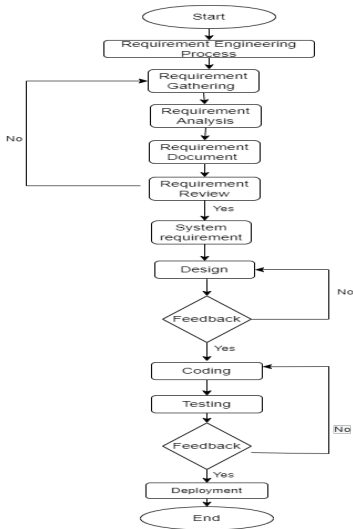


Figure: (5.1) Flow Chart

Use Case Diagram

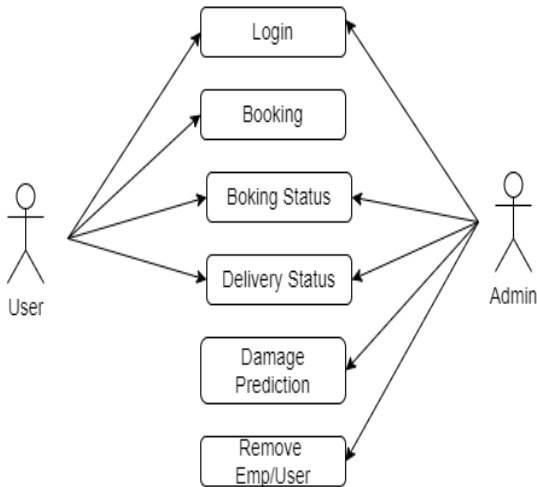


Figure: (6.1) Use Case Diagram

Data Flow Diagram

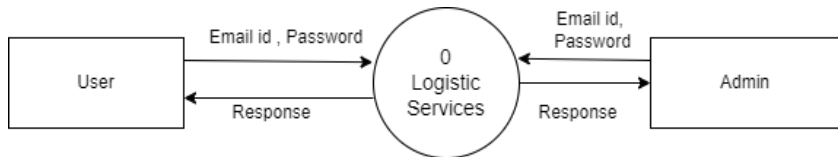


Figure: (7.1) 0-Level DFD

Data Flow Diagram (Cont...)

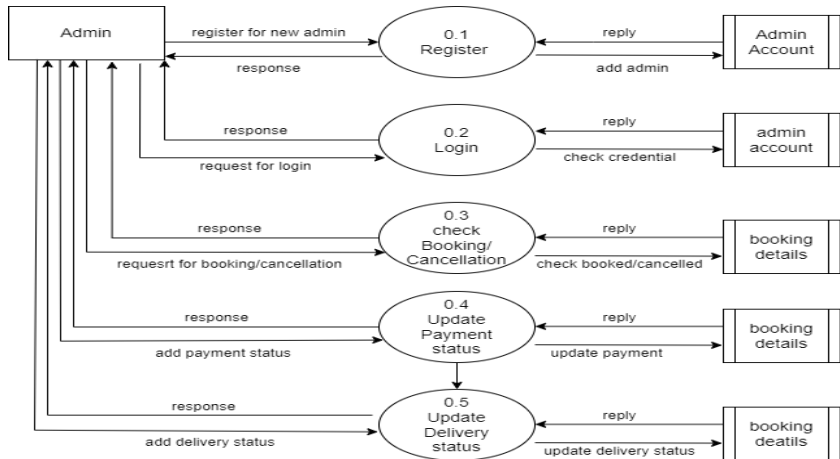


Figure: (7.2) 1-Level DFD Admin

Data Flow Diagram (Cont...)

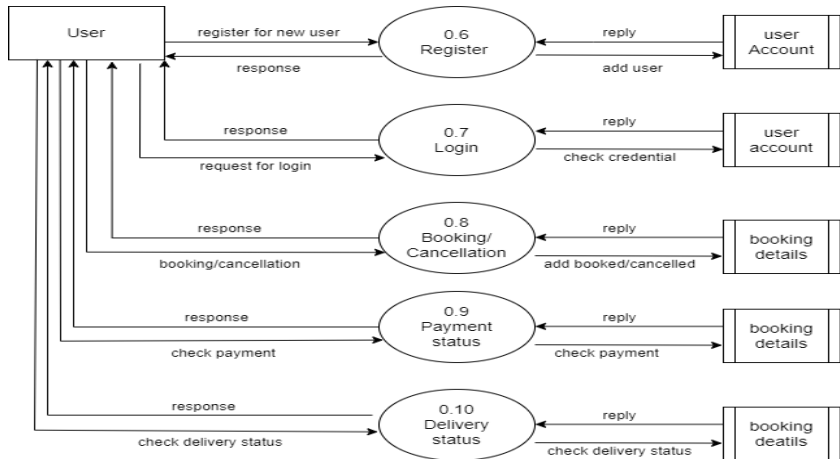


Figure: (7.3) 1-Level DFD User

Entity Relationship Diagram

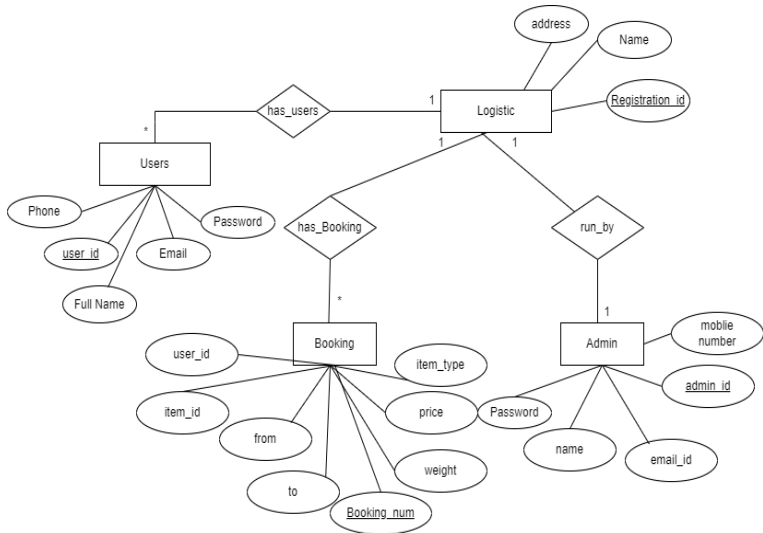


Figure: (8.1) ER Diagram

Implementation Phase

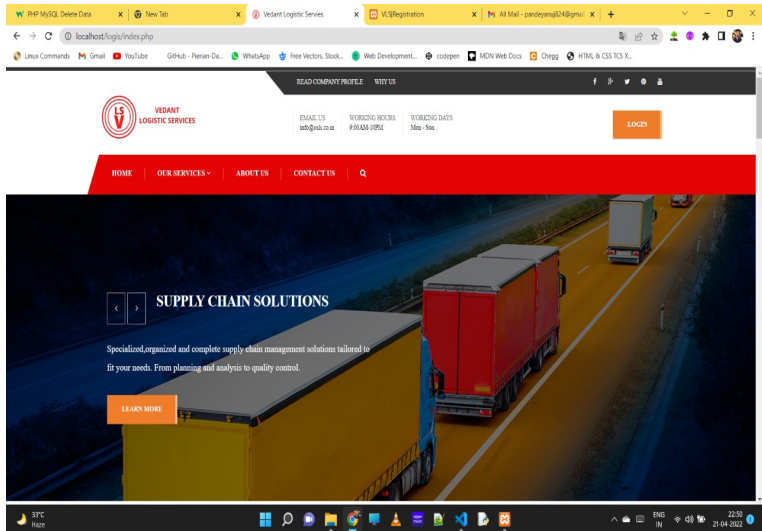
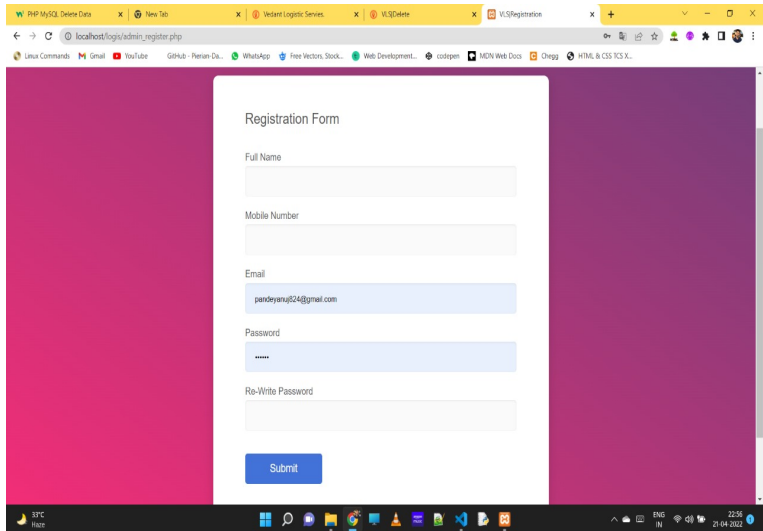


Figure: (10.1) Home Page

Implementation Phase (cont...)



The screenshot shows a web browser window with the address bar displaying `localhost/logs/admin_register.php`. The browser has several tabs open, including 'PHP MySQL Delete Data', 'New Tab', 'Vedant Logistic Services', 'VLS Delete', and 'VLS Registration'. The registration form is titled 'Registration Form' and contains the following fields:

- Full Name:
- Mobile Number:
- Email:
- Password:
- Re-Write Password:

A blue 'Submit' button is located at the bottom of the form. The browser's taskbar at the bottom shows the system clock as 22:56 on 21-04-2022, with a temperature of 33°C and weather conditions of Haze.

Figure: (10.2) Admin Registration

Implementation Phase (cont...)

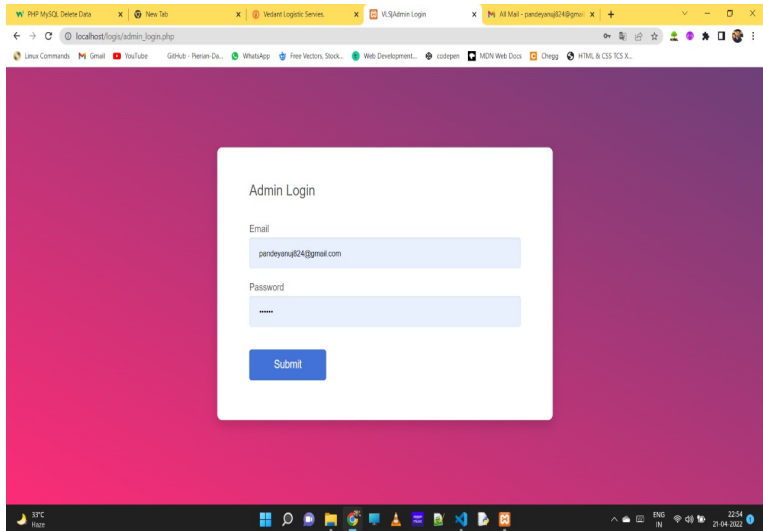


Figure: (10.3) Admin Login

Implementation Phase (cont...)

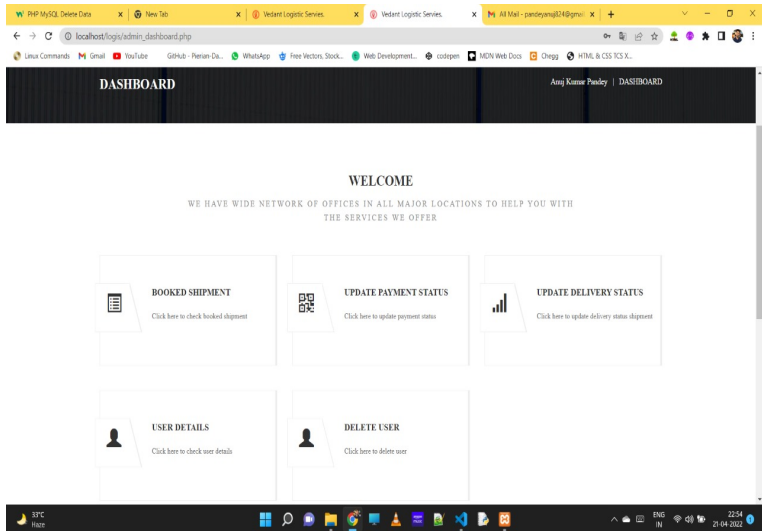


Figure: (10.4) Admin Dashboard

Implementation Phase (cont...)

PHP MySQL Delete Data | New Tab | Vedant Logistic Servies | VLSRegistration | All Mail - pandeyang824@gmail

localhost/logis/user_register.php

Linux Commands | Gmail | YouTube | GitHub - Perian Da... | WhatsApp | Free Vectors, Stock... | Web Development... | codpen | MDN Web Docs | Chegg | HTML & CSS TCS X...

REGISTER | LOGIN

REGISTER

FULL NAME

MOBILE NUMBER

EMAIL

pandeyang824@gmail.com

PASSWORD

Waiting for www.google-analytics.com...

33°C Haze | 22:51 21-04-2022

Figure: (10.5) User Registration

Implementation Phase (cont...)

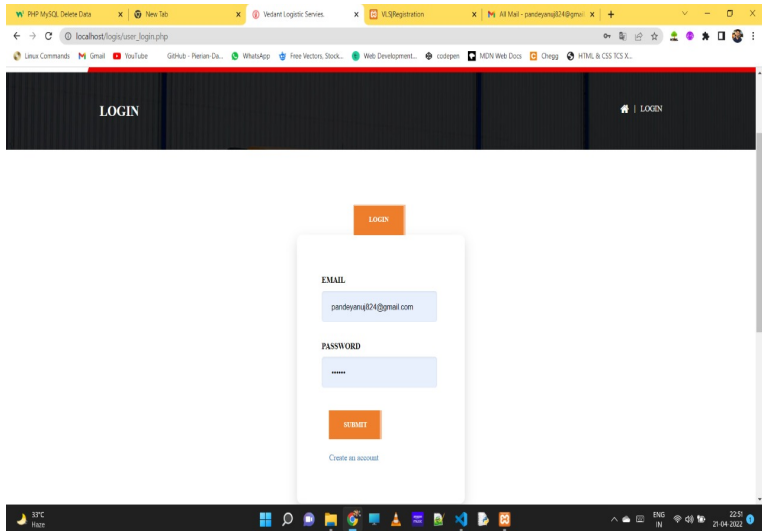


Figure: (10.6) User Login

Implementation Phase (cont...)

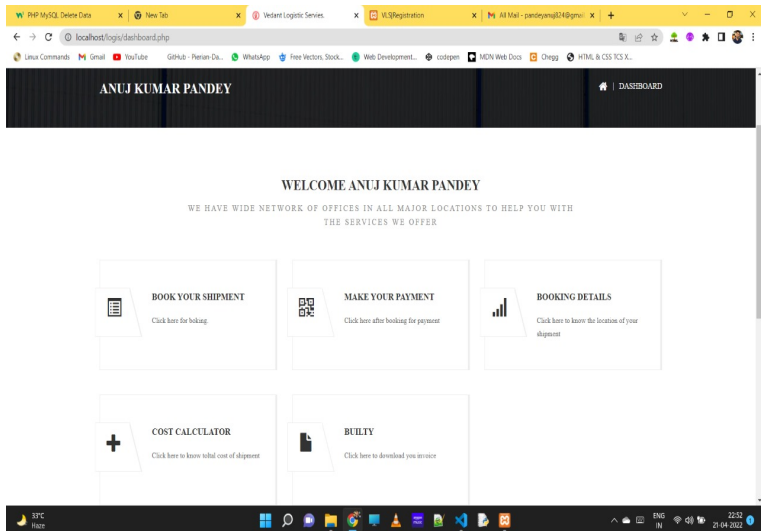


Figure: (10.7) User Dashboard

Testing Phase

Test Id	Test Case Objective	Step	Input Data	Expected Output	Actual Output	Status
TC_01	Test for login Authentication page	1.Email id 2. Password	anuj@gmail.com 12345	Login Successful	Login Successful	Pass
TC_02	Test for login Authentication page	1.Email id 2. Password	anuj@gmail.com 12345	Login Successful	Incorrect Email	Fail
TC_03	Print Invoice	1.Item id	123	Print Invoice	Print Invoice	Pass
TC_04	Print Invoice	1.Item_id	2qw3	Print Invoice	Null	Fail
TC_04	Payment Status	1.Item_id	123	Payment Update	Payment Update	Pass

Figure: (11) Testing

Conclusion

- Organization can initiate Human Resource Department to further enhance employee motivation. This will have favourable impact for the operational as well as total strengthening of organization.
- Decision making is quite effective and can be followed for future operations.
- Quality of service can be further enhanced to increase customer delight.
- Operations with other logistical providers need to be enhanced further for operational effectiveness, more focus should be given to customer delight and cost effectiveness.
- Client handling and service need to be followed in the same way and can be further enhanced with more support.

Future Enhancement

- Live Tracking : The tracking system deals with the location of the shipment and notifies the customer about his shipment location. The tracking system provides an explicit position of the product that incorporates trust among the dealer-customer relationship.
- Payment Gateway : A payment gateway is basically a middleman between a user and a bank. The gateway is responsible for the transfer of payment information, such as debit or credit card data, between a portal from which the payment is made and a bank that processes the information.
- Transport availability : The four primary modes of transportation in logistics are shipments by truck, ship, train and plane; also known as road, maritime, rail and air shipments.

Reference

1. Matthew Mac Donald, "web technology: The Complete Reference," 1 Edition. McGraw-Hill Education India Private Limited, 2002.
2. Andrew Troelsen, "HTMLCSS with .w3c," Special Edition, Apress, 2007.
3. <https://aspnetcompiler.codeplex.com>
4. <https://en.wikipedia.org/wiki/Logistics>

Thank You.