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## Introduction:

This **Courier Management System** Project will have different modules. The login section will have login facility for the admin and for the user who will operate this system. While taking orders from its customers, it will take all the details of its customers who is placing the orders and all the details for the recipient such as its address, name, mobile number. Through the tracking id, customers or its recipient will able to track their products from any location using internet. It will provide status of the product after placing orders within 1 minute. The admin can manipulate the data through admin login page and add any new consignment if required. The profile section shows the data of the user and the ricing section of the project shows the price that will be charged for the consignment according to the weight categories.

Using the courier service person can easily send his/her parcel to other person in the particular destination within the time.

## Motivation behind this project:

To gain maximum business region, customer demands good service. So to make more profit and gain maximum business region, their administration must also have a system to tackle all these problems on time. Its administration can take immediate orders and provide a receipt which will include all the details of the products along with appropriate price to their customers. Thus saving time and eliminating line making process.

## What was my site aims to do?

This site aims to establish a robust Courier Management System with several key objectives. Firstly, it provides secure login portals for both users and administrators, ensuring access to the system while maintaining confidentiality. Secondly, it facilitates seamless order management by capturing comprehensive details from customers placing orders and recipients receiving them.

A pivotal feature includes a sophisticated tracking system employing unique IDs, enabling real-time tracking of parcels from any location with internet connectivity. This ensures transparency and enables customers and recipients to monitor their shipments promptly. Additionally, the system promises swift status updates within one minute of order placement, ensuring users are informed promptly about their parcel's progress.

Administrators benefit from a dedicated dashboard to manipulate data effectively, including the ability to add new consignments as needed. Users also have access to a profile section where they can manage their personal information stored within the system. Furthermore, the system displays clear pricing information based on weight categories, ensuring users understand the charges associated with their consignments.

Ultimately, the system aims to streamline parcel delivery, allowing users to send parcels efficiently to desired destinations within specified timelines, thereby enhancing overall service reliability and customer satisfaction.

## Target Audience:

The target audience for your Courier Management System comprises individual consumers and businesses engaged in shipping and logistics. It aims to serve individuals who send and receive parcels, offering them easy tracking capabilities and reliable delivery services. For businesses, especially SMEs and e-commerce ventures, the system provides efficient parcel management solutions to streamline operations and ensure timely deliveries. Administrators and operations managers benefit from robust tools to monitor and manage shipments effectively. Additionally, the system appeals to courier service providers and technology firms seeking innovative solutions for enhancing their service offerings and operational efficiency in the logistics sector.

## Objectives:

- Efficient Operations: Streamline the process of receiving, handling, and dispatching orders to ensure efficient operations within the courier service.
- Customer Convenience: Provide a user-friendly platform for customers to place orders, track shipments in real-time using tracking IDs, and receive timely updates on their parcel's status.
- Administrative Control: Empower administrators with tools to manage and manipulate data, including adding new consignments, updating information, and overseeing overall system functionality.
- Enhanced Customer Service: Improve customer service by offering quick order processing and providing accurate

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information about shipment status immediately after order placement.

- Cost Transparency: Offer pricing details based on weight categories, ensuring transparency and clarity in pricing for customers and businesses alike.
- Scalability: Design the system to handle varying levels of shipment volumes, accommodating growth and increasing demand effectively.
- Integration and Innovation: Integrate with modern technologies and provide innovative solutions to meet the evolving needs of courier services and their customers.

## Design Notes:

- User Interface (UI): Clean and Intuitive, Responsive Design, Accessibility:
- Functionality: Order Management, Tracking System, Admin Dashboard, Reporting and Analytics, Security
- Database Management: Efficient Data Handling, Scalability:
- Documentation and Support: Comprehensive Documentation, Customer Support
- Compliance and Regulations: Legal Compliance, Ethical Considerations

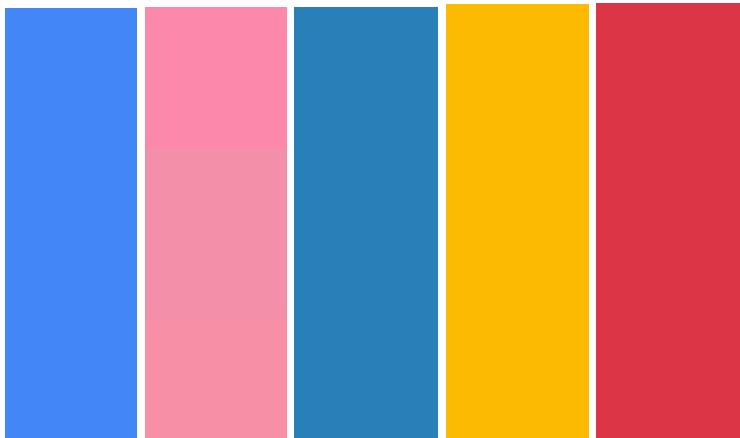
## Features of Purposed System:

These are the important features of the project Courier Management System:

- In computer system of the courier service computation of the rate is easily & quickly
- done.
- Computer system of the courier service provide fast access.
- Using this computerized system, bill issued procedure becomes fast.
- In computer system the person has to fill the various forms & number of copies of the forms can be easily generated at a time.
- In computer system, it is not necessary to create the Manifest but we can directly print it, which saves our time.
- It contain better storage capacity.
- Accuracy in work.
- Easy & fast retrieval of information.
- Well designed reports.
- Decrease the load of the person involve in existing manual system.
- Access of any information individually.
- Work becomes very speedy.
- Easy to update information

## Choice of colours and fonts:

### Colors



**Fonts:** The Courier Management System primarily uses 'Arial', sans-serif for readability across its interface, complemented by occasional uses of 'Times New Roman', Times, serif for headers or special emphasis.

**Colors:** The color scheme revolves around a grey background with contrasting elements such as #00BCD4, #f9829b, and various shades of blues (#2980b9, #007bff), along with red tones (#e74c3c, #dc3545). This palette is designed to maintain professionalism, readability, and user engagement throughout the application.

### Navbar (header.php):

- The navbar class in header.php specifies background-color: #e69138;, ensuring that the navigation bar at the top of the page has a cohesive orange background.

### Footer (footer.php):

- Similarly, in the footer class or section (not explicitly shown in the provided snippets but inferred), the background color is also set to #e69138. This consistency ensures that both top and bottom sections of the application have a unified color theme.

## Logo used



The courier management system logo combines transportation imagery to convey its purpose. The orange and blue color scheme suggests energy and reliability. At the top, an airplane symbolizes air freight, while a stylized ship below represents sea freight. The circular motion around these elements implies global reach. The bold “CCC” likely stands for the system’s name. Overall, it signifies efficient, worldwide logistics services.

## Requirements

### System Requirements:

#### **Software Requirement:**

- Apache Server 2.0
- PHP Version 5.3 or above
- MySQL Version 5.5 or above
- Latest browser : Chrome, Firefox, Safari etc
- Operating System : Any (Linux, Windows, Mac etc)

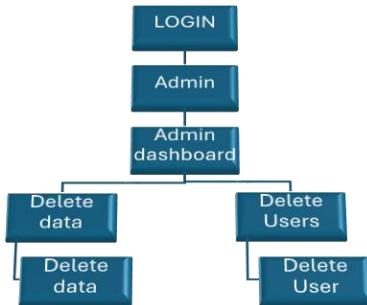
#### **Hardware Requirements:**

- Processor Pentium IV or higher version.
- Ram 128 MB or above
- Hard Disk 150 MB or above

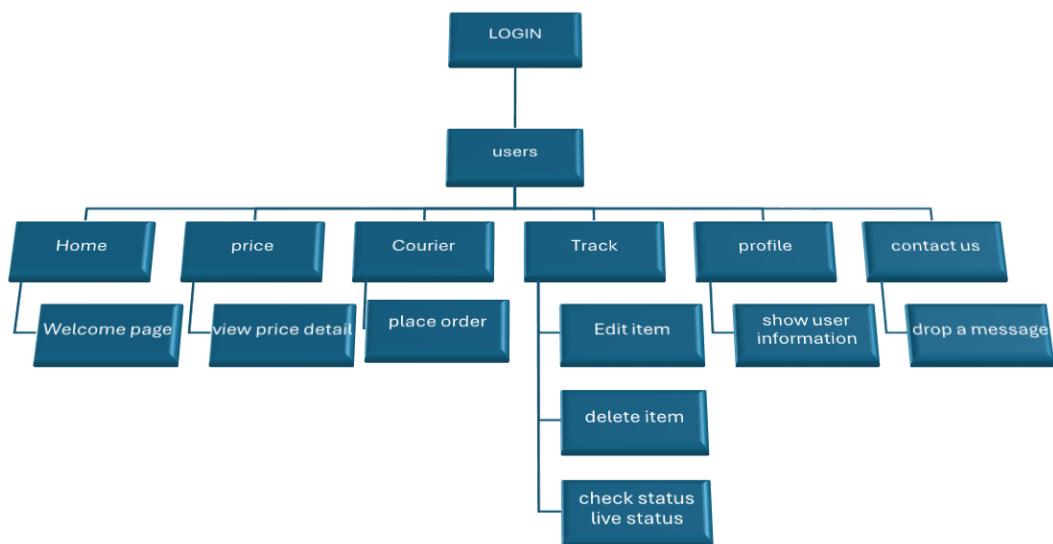
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## SiteMap :

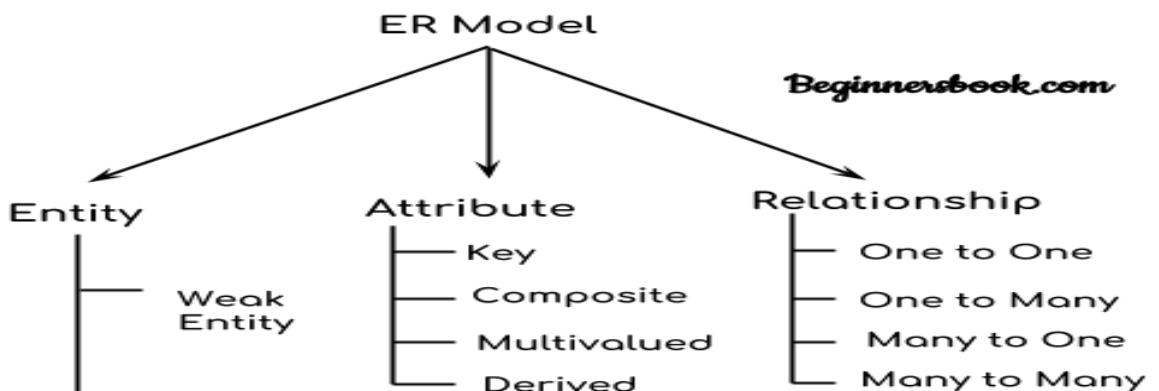
### Admin



### User



## ERAM Diagrams:



### Components of ER Diagram

- The Entity-Relationship Model (ERM) diagram of courier management systems database.  
Lets break it down:

#### Entities:

- **Users:** Likely includes customer and admin accounts.
- **Courier:** Represents delivery personnel.
- **Contacts:** May store contact information.
- **Login:** Handles authentication.
- **Admin:** Manages system settings.

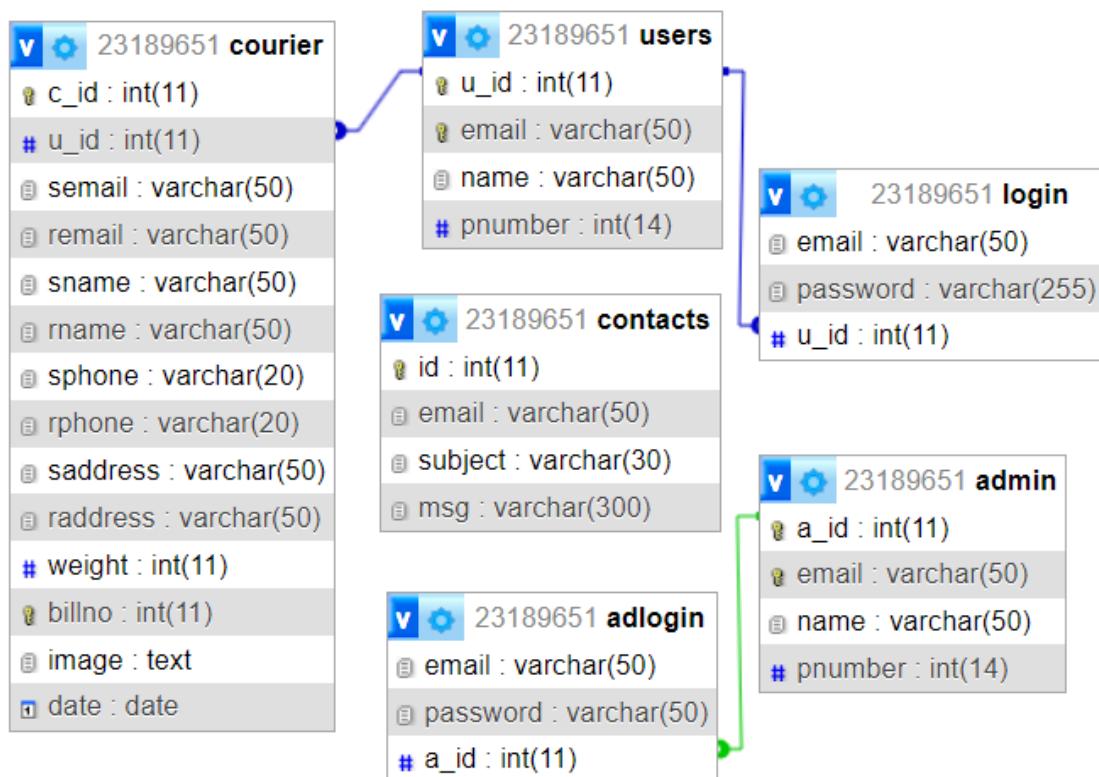
#### Attributes:

- Attributes like user\_id, email, password, etc., define the properties of each entity.
- For example, u\_id (user ID) and pnumber (phone number).

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## Relationships:

- The lines connecting entities show how they relate (e.g., a user interacts with a courier).
- Ensures efficient data management and retrieval.



## CONCLUSION

System development is also considered as a process backed by engineering approach. We have tried to incorporate & develop new particles for our education particles have been followed not during the coding but also during the analysis, design phases & in documentation.

Courier agency is considered as an expansion of business relations. It contributes a lot by providing quick & fast services of sending documents letters (formal & informal both) to business as it enables any business to flourish

Following modification or upgrades can be done in system.

- 1) More than one company can be integrated through this software.
- 2) Web services can be used to know exact delivery status of packets.
- 3) Client can check the repacked delivery status online.
- 4) Distributed database approach in place of centralized approach

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## References and Bibliography:

□ <http://wwwxamppserver.com/en/>

□ <http://www.php.net/>

<http://youtube.com/>