

COURIER MANAGEMENT SYSTEM

Submitted in partial fulfillment of the Requirements for the Degree of

Master of Computer Applications

A PROJECT REPORT

Submitted by

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DECLARATION

I hereby declare that the work presented in this report entitled "COURIER MANAGEMENT SYSTEM", was carried out by me. I have not submitted the matter embodied in this report for the award of any other degree or diploma of any other University or Institute. I have given due credit to the original authors/sources for all the words, ideas, diagrams, graphics, computer programs, experiments, results, that are not my original contribution. I have used quotation marks to identify verbatim sentences and given credit to the original authors/sources. I affirm that no portion of my work is plagiarized, and the experiments and results reported in the report are not manipulated. In the event of a complaint of plagiarism and the manipulation of the experiments and results, I shall be fully responsible and answerable.

Name :

Roll. No. :

Branch :

CERTIFICATE

Certified that **Vishal Tyagi (University Roll No 1900290140041)**, **Yash Vashishtha (University Roll No 1900290140042)**, have carried out the project work having “COURIER MANAGEMENT SYSTEM” for Master of Computer Applications from Dr. A.P.J. Abdul Kalam Technical University (AKTU) (formerly UPTU),Technical University, Lucknow under my supervision. The project report embodies original work, and studies are carried out by the student himself/herself and the contents of the project report do not form the basis for the award of any other degree to the candidate or to anybody else from this or any other University/Institution.

Date:

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Yash Vashishtha
University Roll No. 1900290140042**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Date:

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Institutions, Ghaziabad**

Signature of External Examiner

Signature of Internal Examiner

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Words are not enough to express my gratitude to **Dr. Ajay Kumar Shrivastava, Professor and Head, Department of Computer Applications**, for his insightful comments and administrative help at various occasions.

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Finally, my sincere thanks go to my family members and all those who have directly and indirectly provided me moral support and other kind of help. Without their support, completion of this work would not have been possible in time. They keep my life filled with enjoyment and happiness.

Vishal Tyagi

Yash Vashishtha

Content

1	ABSTRACT
2	PURPOSE OF PROJECT
3	SCOPE OF THE PROJECT
4	PROJECT OVERVIEW
5	PROJECT ANALYSIS
6	SYSTEM DEVELOPMENT ENVIRONMENT
7	PROJECT DESIGNING
8	DATABASE DESIGN
9	OUTPUT SCREENS
10	PROJECT TESTING
11	CONCLUSION
12	BIBLIOGRAPHY

ABSTRACT

Title of the Project:Courier Management System

Description:

This project deals with the ‘**Courier Management System**’. The system is used for daily activities such as booking a courier, courier history; maintain staff details, branch details.

Previous System:

This project deals with the ‘**Courier Management System**’. The system is used for daily activities such as booking, Booking history, staff details, Branch details and pickup centers. It is very difficult to do this process manually. Hence it is recommended to computerize the process by developing the relative software as the world is turning into information and technology; computerization becomes necessity in all walks of life.

Existing System:

The existing system is not totally automated. Though the system is computerized to a particular extent, it has to do a lot of manual work.

The different processes involved are:

- ✓ To maintain details of bookings manually.
- ✓ Maintain details of the employees.
- ✓ To maintain details of the incoming couriers.

- ✓ To maintain full courier details.

Modules:

- ✓ **Administrator**
- ✓ **Staff**
- ✓ **Customer**

In this project we use PHP and MySQL database. It has three module

1. Admin Module
2. Staff Module.
3. User Module

Admin Module

1. **Dashboard:** In this section admin can see all detail in brief like total courier, Total Courier Pickup, Total Shipped, Total In-transit, Total Courier arrived at destination, Total courier out for delivery and Total delivered courier.
2. **Branches:** In this section admin can manage branches(add and update).
3. **Staffs:** In this section admin can manage Staffs(add, update and delete).
4. **Courier:** In this section admin can view courier status and check the courier detail which is filling by staff of different branches.
5. **Reports:** In this section admin can view courier details, courier counts and sales report according to dates.

Admin can also update his profile, change password and recover password.

Staff Module

1. **Dashboard:** In this section staffs can see all detail in brief like total courier , Total Courier Pickup, Total Shipped, Total In-transit, Total Courier arrived at destination, Total courier out for delivery and Total delivered courier.
2. **Add Courier:** In this section staffs fill the courier detail of parcel.

3. **Status:** In this section staffs can view the courier details and they have also right to change courier status according to current status.
4. **Search Courier:** In this section staffs can search particular courier with the help of tracking number/reference number.

Staffs can also update his profile, change password and recover password.

User Module

In this module user can view current delivery status of his parcel and also view the different branches of Courier Company.

Note: *In this project MD5 encryption method used.*

PURPOSE OF PROJECT

This project deals with the ‘Courier Management System’. The system is used for daily activities such as booking, history of courier, staff details and branches. It is very difficult to do this process manually. Hence it is recommended to computerize the process by developing the relative software as the world is turning into information and technology; computerization becomes necessity in all walks of life.

Why the new system?

Nowadays, people are very busy and they don’t find much time to go to a dealer to get products. But they need to buy products. And most of the people are accessing Internet.

Then why don’t we help them in searching & getting products online. Of course this is helpful for company & dealer also to improve the sales.

SCOPE OF THE PROJECT

Courier management system computerization is “the incorporate of appropriate technology to help administrator manage information. Technology is considered appropriate, when it utilizes the most abundant domestic resources and conserves capital and skilled personnel”.

This project deals with the maintenance of booking details, incoming courier details, courier non delivery details and courier return details etc. the main aim of this project is to computerize the maintenance of courier management.

PROJECT OVERVIEW

Modules:

- ✓ **Administrator**
- ✓ **Staff**
- ✓ **Customer**

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PROJECT ANALYSIS

Description of the Existing System

The existing system is not totally automated. Though the system is computerized to a particular extent, it has to do a lot of manual work.

The different processes involved are:

- ✓ To maintain details of bookings manually.
- ✓ Maintain the details of the employees.
- ✓ To maintain details of the incoming couriers.
- ✓ To maintain courier history.
- ✓ To maintain the details of branches.

Bottlenecks of the existing system

The existing system has lot of problems such as

- ✓ The entire database is maintained manually which is rather tedious and error prone.
- ✓ Time delay is more because of verification of many records for generating reports, answering queries etc.
- ✓ Queries are not answered properly due to lack of communication.
- ✓ More space is required to keep all the records.
- ✓ Improper interface.

System Specifications

Hardware Requirements:-

- Pentium-IV(Processor).
- 256 MB Ram
- 512 KB Cache Memory
- Hard disk 10 GB
- Microsoft Compatible 101 or more Key Board

Software Requirements: -

- **Operating System :** Windows / Linux any one
- **Programming language:** PHP
- **Web-Technology:** Open Source
- **Front-End:** PHP
- **Back-End:** MySQL
- **Web Server:** Apache

SYSTEM DEVELOPMENT ENVIRONMENT

1. HTML

WHAT IS HTML?

To publish information for global distribution, one needs a universally-understood language, a kind of publishing mother tongue that all computers may potentially understand. The publishing language used by the World Wide Web is HTML (Hyper Text Markup Language)

HTML Gives Authors the Means To

1. Publish online documents with headings, text, tables, list, photos etc.
2. Retrieve online information via hypertext links, at the click of a button
3. Design forms for conducting transactions with remote services, for use in searching information, making reservations, ordering products etc.;
4. Includes spreadsheets, video clips, sound clips, and other applications directly in the documents.
- 5.

Some HTML Tags

<HTML>: Starting an HTML tag

<HEAD> : Creating a web page's head

<TITLE> : Giving a web page 's body

</HEAD> : Ending a web pages head
</BODY> : Ending a web pages body
</HTML>:Ending a web page
<FORM> : Creating a HTML forms
<INPUT TYPE=BUTTON> : Creating a buttons
<INPUT TYPE=CHECKBOX> : Creating a checkboxes
<INPUT TYPE=SUBMIT> : Creating a submit button
<INPUT TYPE=TEXT> : Creating a text fields

HTML 4.0

HTML 4.0 extends with mechanisms for style sheets, scripting, frames embedding objects, improved support for right to left and mixed direction texts, richer tables and enhancements to form, offering improved accessibilities for people with disability.

2. INTRODUCTION TO JAVA SCRIPT

WHAT IS JAVA SCRIPT?

JavaScript, originally supported by Netscape Navigator, is the most popular Web scripting language today. JavaScript lets you embed programs right in your Web pages and run these programs using the Web browser. You place these programs in a <SCRIPT> element. If you want the script to write directly to the Web page, place it in the <BODY> element.

EX:<HTML>

```
<HEAD>

<TITLE></TITLE>

</HEAD>

<BODY>

<SCRIPT LANGUAGE="JavaScript">

</SCRIPT>

</BODY></HTML>
```

JAVASCRIPTS OBJECTS

JavaScript is an object-oriented language. JavaScript comes with a number of predefined objects.

Objects of the JavaScript

1. Document: Corresponds to the current Web page's body. Using this object, you have access to the HTML of the page itself, including the all links, images and anchors in it.
2. Form: Holds information about HTML forms in the current page.
3. Frame: Refers to a frame in the browser's window.
4. History: Holds the records of sites the Web browser has visited before reaching the current page.
5. Location: Holds information about the location of the current web page.
6. Navigator: Refers to the browser itself, letting you determine what browser the user has.
7. Window: Refers to the current browser window.

JAVASCRIPTS EVENTS

Some of the events of JavaScript

1. on Change: Occurs when data in a control, like a text field, changes.
2. on Click: Occurs when an element is clicked.
3. on Focus: Occurs when an element gets the focus.
4. on Mouse Down: Occurs when a mouse button goes down.
5. on Reset: Occurs when the user clicks the reset button.

JAVASCRIPTS FUNCTIONS

Declaration of function

Syntax: function function name ()

```
{  
...  
...  
}
```

Write these functions in <SCRIPT> tag.

5.RDBMS CONCEPTS

1. DATA ABSTRACTION

A major purpose of a database system is to provide users with an abstract view of the data. This system hides certain details of how the data is stored and maintained. However in order for the system to be usable, data must be retrieved efficiently. The efficiency lead to the design of complex data structure for the representation of data in the database. Certain complexity must be hidden from the database system users. This accomplished by defining several levels of abstraction at which the database may be viewed.

2. CLASSIFICATION OF DATABASE

There are 3 types of database approaches given below,

a. Hierarchical Database:

In this type of model data is represented in simple tree structured. The record at the top of three is known as root, the root may have any number of dependents. Each of these may have any number of low level dependents and so on up to any number of levels. The disadvantages of the approach are that no independent record occurrence can exist without it's superior.

b. Network Database:

In a Network database, data is represented by Network structure. In this approach record occurrence can have any number of superiors as well as any number of immediate dependents thus allow many to many correspondence directly than an hierarchical approach. The main disadvantage of the Network model is data representation is very

complex resulting in complexity of the DML (Data Manipulation Language).

c. Relational Database:

The Relational model represents data and relationships among data by a collection of tables each of which has a number of columns with unique names.

6.THE SQL LANGUAGE

SQL is a language for relational database. SQL is a non-procedural i.e., when we use SQL we specify what we want to be done not how to do it.

Features of SQL

1. SQL is an interactive query language.
2. SQL is a database administration language.
3. SQL is a database programming language.
4. SQL is a client/server language.
5. SQL is a distributed database language.
6. SQL is a database gateway language.

Basic SQL Commands

- ✓ Data Definition Language commands (DDL)
- ✓ Data Manipulation Language commands (DML)
- ✓ Transaction Control Language commands (TCL)
- ✓ Data control Language commands (DCL)

PHP

- PHP is an acronym for "PHP: Hypertext Preprocessor"
- PHP is a widely-used, open source scripting language
- PHP scripts are executed on the server
- PHP is free to download and use

What is a PHP File?

- PHP files can contain text, HTML, CSS, JavaScript, and PHP code
- PHP code are executed on the server, and the result is returned to the browser as plain HTML
- PHP files have extension ".php"

What Can PHP Do?

- PHP can generate dynamic page content
- PHP can create, open, read, write, delete, and close files on the server
- PHP can collect form data
- PHP can send and receive cookies
- PHP can add, delete, modify data in your database
- PHP can be used to control user-access
- PHP can encrypt data

With PHP you are not limited to output HTML. You can output images, PDF files, and even Flash movies. You can also output any text, such as XHTML and XML.

PROJECT DESIGNING

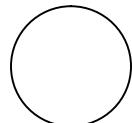
Design Document

- The entire system is projected with a physical diagram which specifics the actual storage parameters that are physically necessary for any database to be stored on to the disk. The overall systems existential idea is derived from this diagram.
- The relation upon the system is structure through a conceptual ER-Diagram, which not only specifics the existential entities but also the standard relations through which the system exists and the cardinalities that are necessary for the system state to continue.
- The content level DFD is provided to have an idea of the functional inputs and outputs that are achieved through the system. The system depicts the input and output standards at the high level of the systems existence.

A DFD does not show a sequence of steps. A DFD only shows what the different process in a system is and what data flows between them.

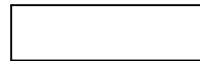
The following are some DFD symbols used in the project

External entities



Process: A transaction of information that resides within the bounds of the system to be module.

DATAFLOWS



DATASTORE: A repository of data that is to be stored for use by one or more processes, may be as simple as buffer or queue or as a relational database.

RULES FOR DFD:

- Fix the scope of the system by means of context diagrams.
- Organize the DFD so that the main sequence of the actions reads left to right and top to bottom.
- Identify all inputs and outputs.
- Identify and label each process internal to the system with rounded circles.
- A process is required for all the data transformation and transfers. Therefore, never connect a data store to a data source or the destinations or another data store with just a data flow arrow.
- Do not indicate hardware and ignore control information.
- Make sure the names of the processes accurately convey everything the process is done.
- There must not be unnamed process.
- Indicate external sources and destinations of the data, with squares.
- Number each occurrence of repeated external entities.
- Identify all data flows for each process step, except simple Record retrievals.

- Label data flow on each arrow.
- Use details flow on each arrow.
- Use the details flow arrow to indicate data movements.
- There can't be unnamed data flow.
- A data flow can't connect two external entities.

LEVELS OF DFD:

The complexity of the business system means that it is responsible to represent the operations of any system of single data flow diagram. At the top level, an Overview of the different systems in an organization is shown by the way of context analysis diagram. When exploded into DFD

They are represented by:

- LEVEL-0 : SYSTEM INPUT/OUTPUT
- LEVEL-1: SUBSYSTEM LEVEL DATAFLOW
FUNCTIONAL
- LEVEL-2: FILE LEVEL DETAIL DATA FLOW.

The input and output data shown should be consistent from one level to the next.

LEVEL-0: SYSTEM INPUT/OUTPUT LEVEL

A level-0 DFD describes the system-wide boundaries, dealing inputs to and outputs from the system and major processes. This diagram is similar to the combined user-level context diagram.

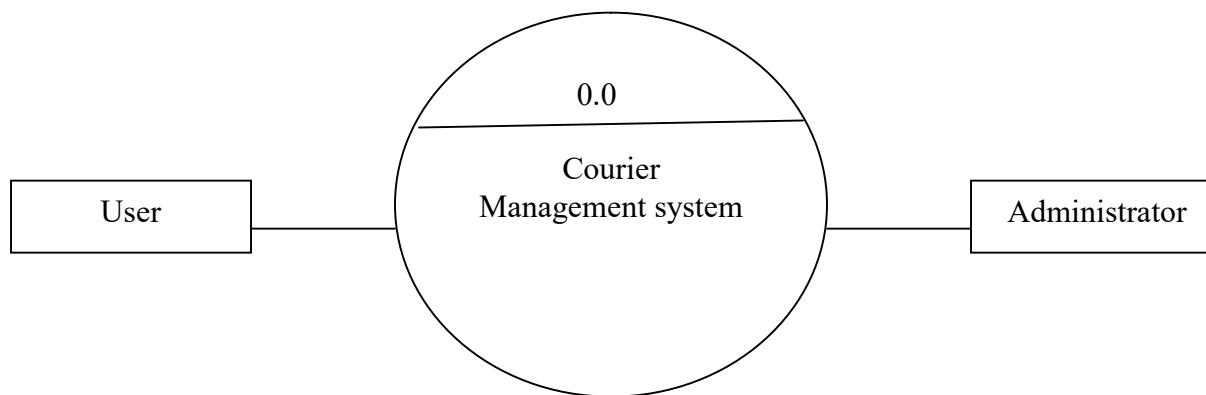
LEVEL-1: SUBSYSTEM LEVEL DATA FLOW

A level-1 DFD describes the next level of details within the system, detailing the data flows between subsystems, which makeup the whole.

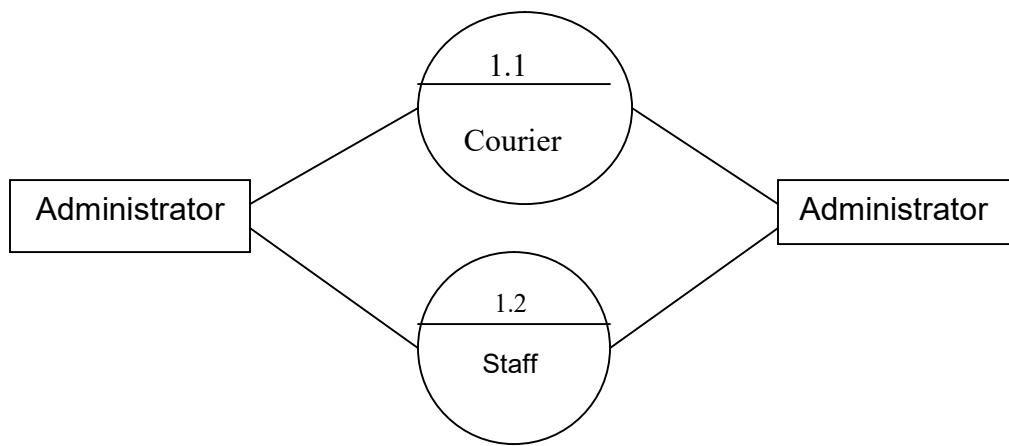
LEVEL-2: FILE LEVEL DETAIL DATA FLOW

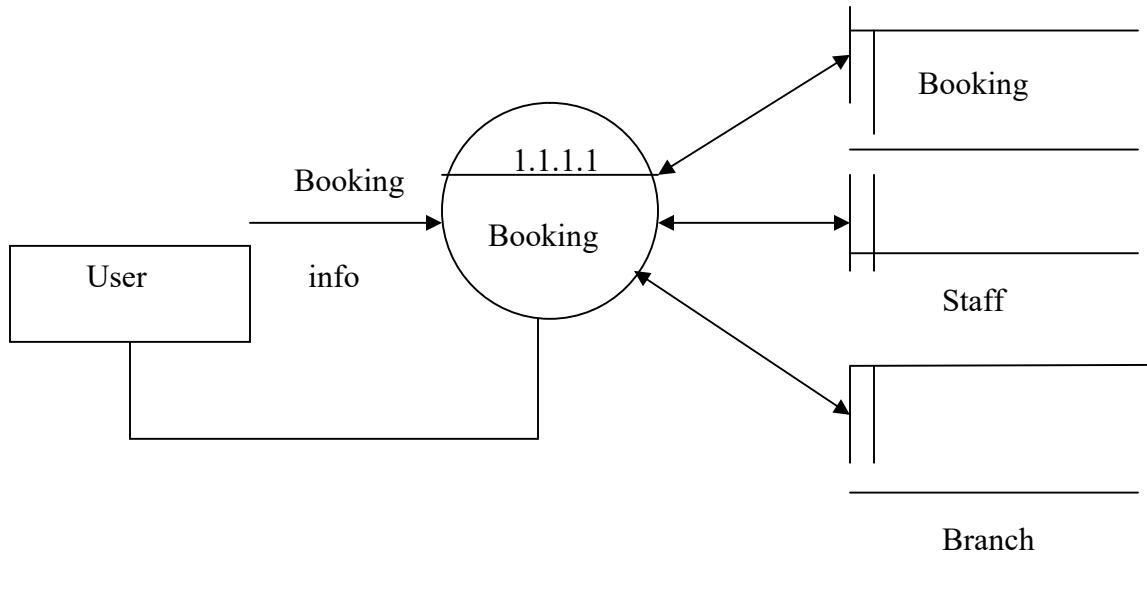
All the projects are feasible given unlimited resources and infinite time. It is both necessary and prudent to evaluate the feasibility of the project at the earliest possible time. Feasibility and the risk analysis are pertained in many ways. If project risk is great.

FIRST LEVEL DTAFLOW DIAGRAM



2nd Level DFDs





2. Unified Modeling Language Diagrams(UML):

- The unified modeling language allows the software engineer to express an analysis model using the modeling notation that is governed by a set of syntactic semantic and pragmatic rules.
- A UML system is represented using five different views that describe the system from distinctly different perspective. Each view is defined by a set of diagram, which is as follows.

User Model View

- i. This view represents the system from the users perspective.
- ii. The analysis representation describes a usage scenario from the end-users perspective.

Structural model view

- ◆ In this model the data and functionality are arrived from inside the system.
- ◆ This model view models the static structures.

Behavioral Model View

- ◆ It represents the dynamic of behavioral as parts of the system, depicting the interactions of collection between various structural elements described in the user model and structural model view.

Implementation Model View

- ◆ In this the structural and behavioral as parts of the system are represented as they are to be built.

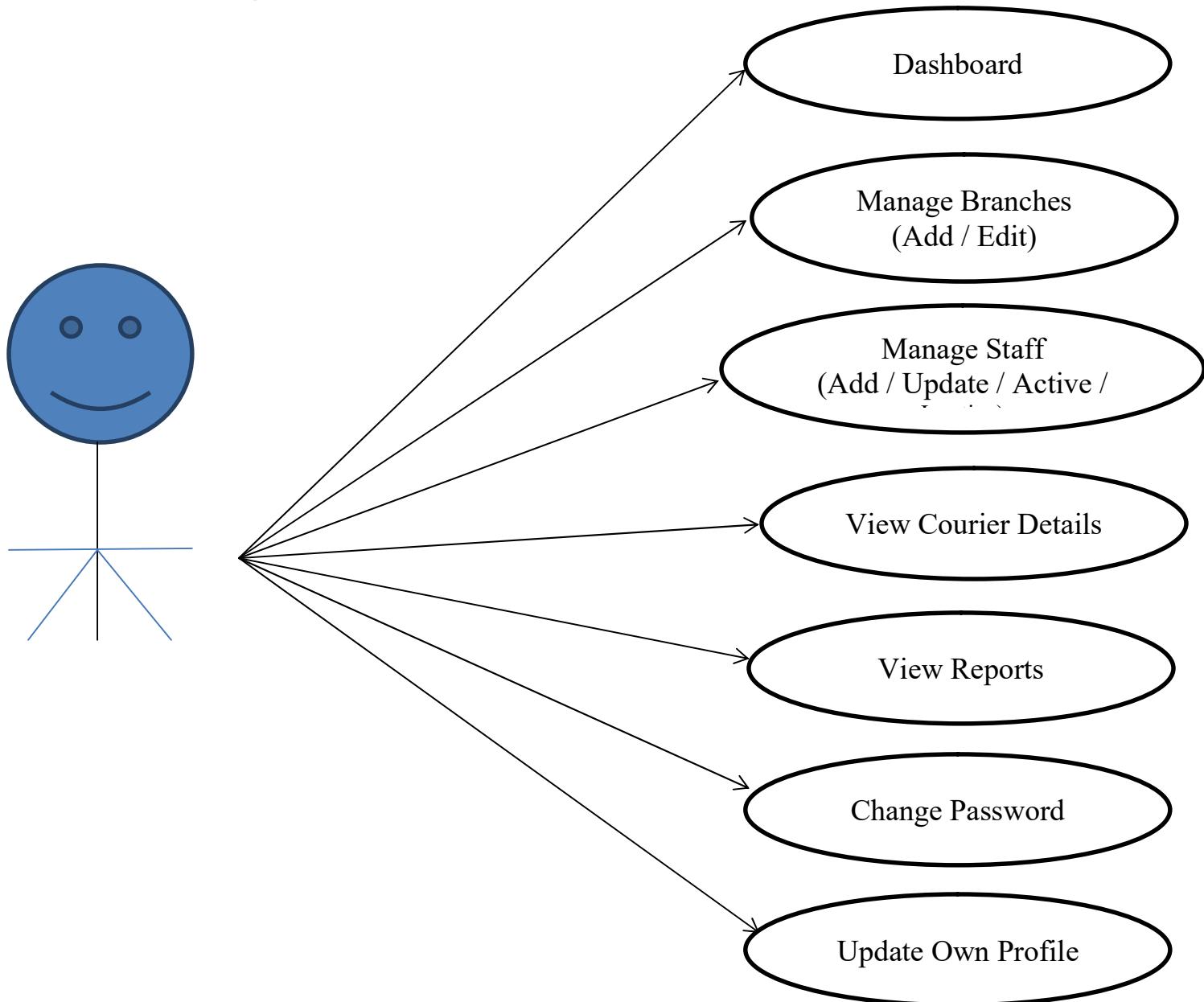
Environmental Model View

In this the structural and behavioral aspects of the environment in which the system is to be implemented are represented.

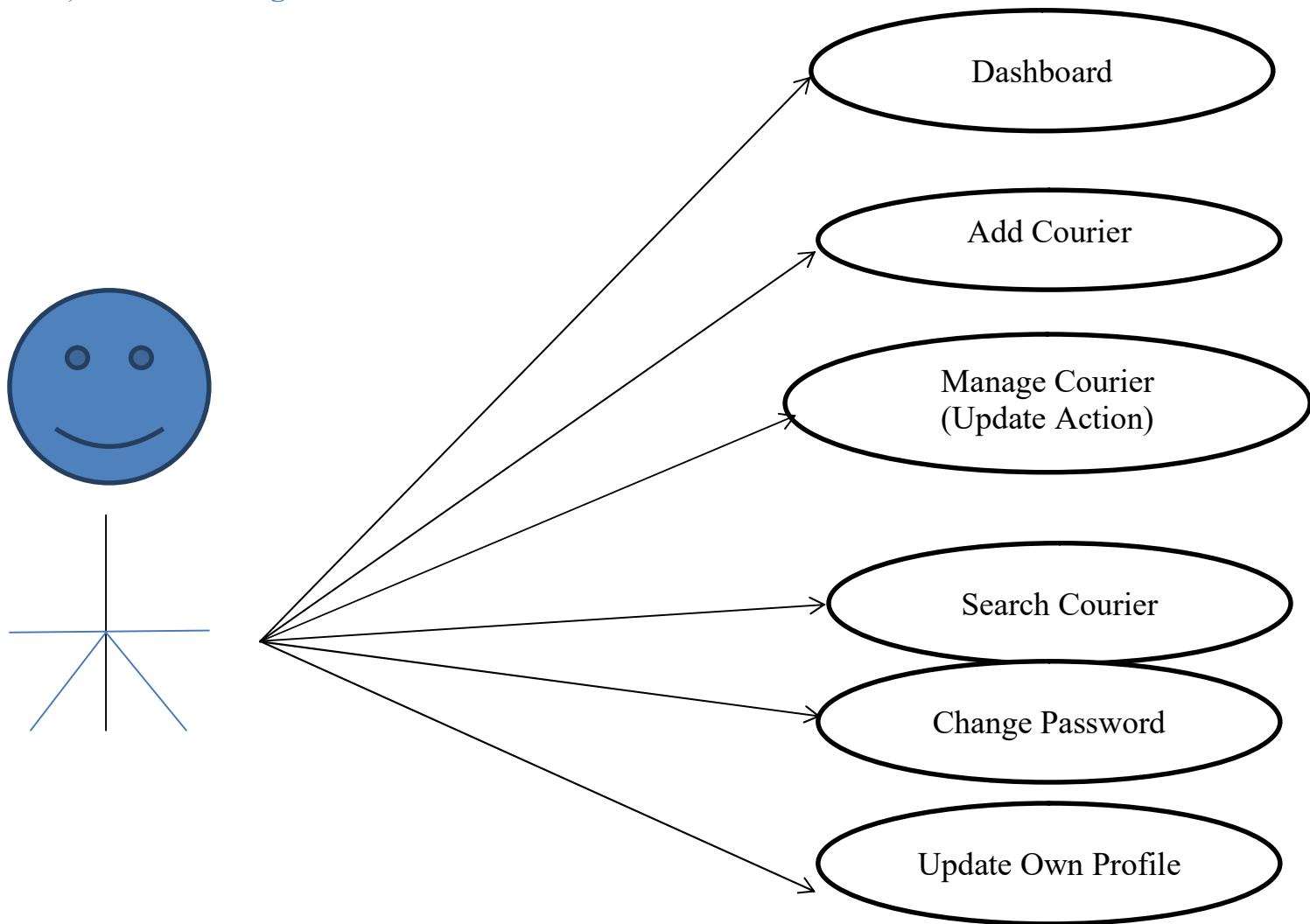
UML is specifically constructed through two different domains they are

- ◆ UML Analysis modeling, which focuses on the user model and structural model views of the system?
- ◆ UML design modeling, which focuses on the behavioral modeling, implementation modeling and environmental model views.

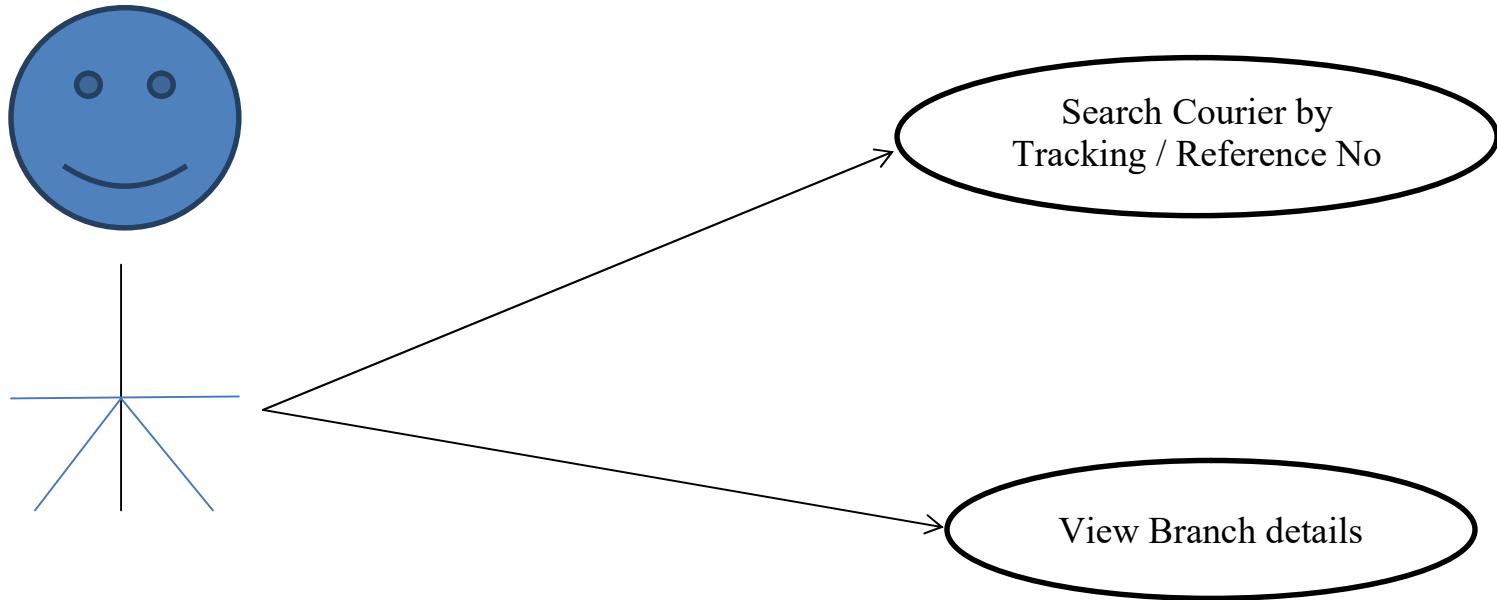
1) Use Case Diagrams admin



1) Use Case Diagrams Staff



1) Use Case Diagrams User



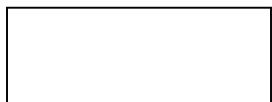
3. ENTITY-RELATIONSHIP Diagrams

E-R (Entity-Relationship) Diagram is used to represents the relationship between entities in the table.

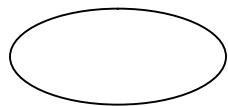
The symbols used in E-R diagrams are:

SYMBOL

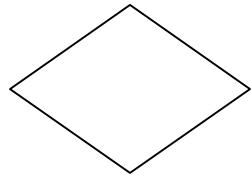
PURPOSE



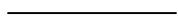
Represents Entity sets.



Represent attributes.



Represent Relationship Sets.

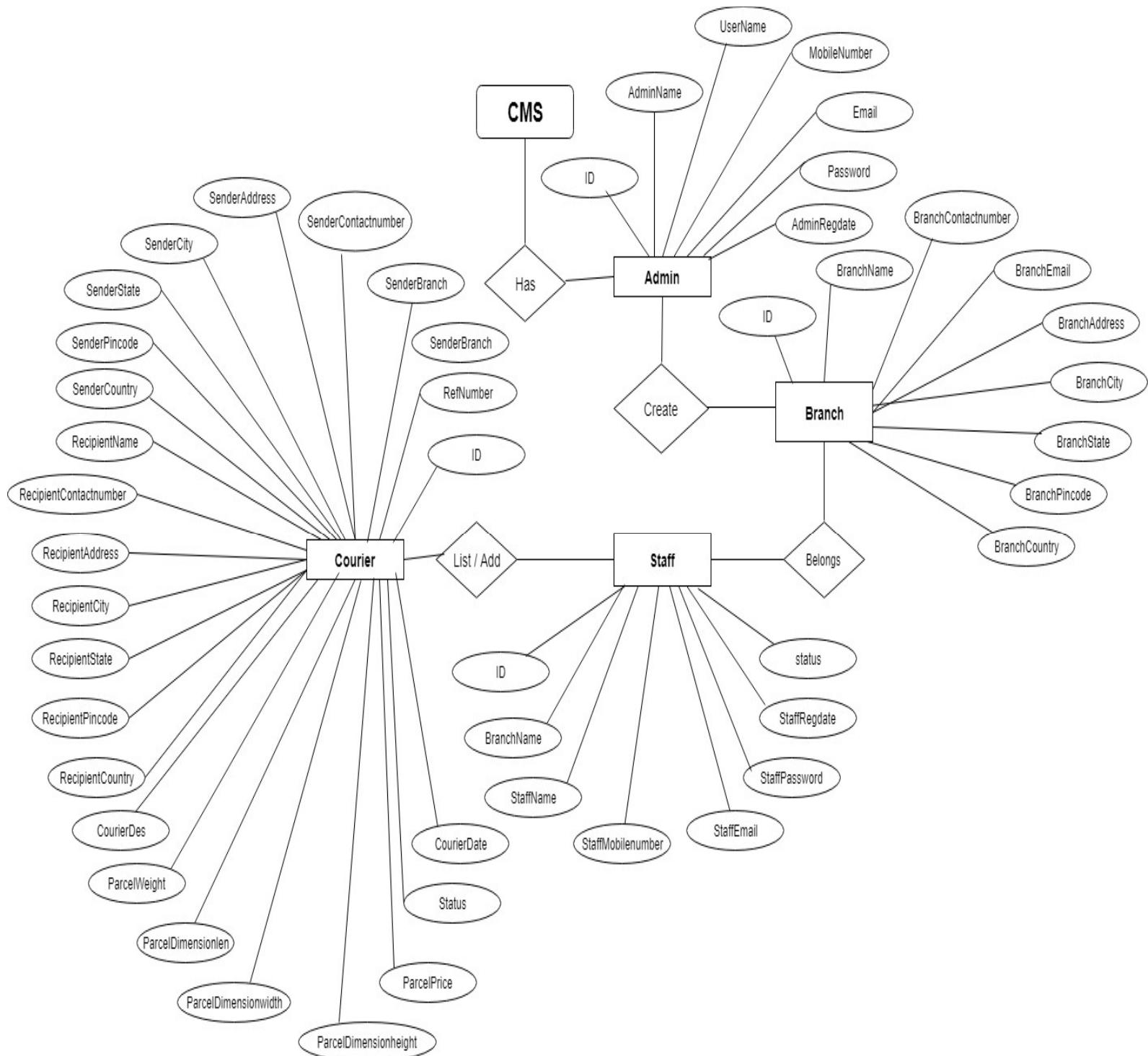


Line represents flow

Structured analysis is a set of tools and techniques that the analyst.

To develop a new kind of a system:

The traditional approach focuses on the cost benefit and feasibility analysis, Project management, and hardware and software selection a personal considerations.



DATABASE DESIGN

The data in the system has to be stored and retrieved from database. Designing the database is part of system design. Data elements and data structures to be stored have been identified at analysis stage. They are structured and put together to design the data storage and retrieval system.

A database is a collection of interrelated data stored with minimum redundancy to serve many users quickly and efficiently. The general objective is to make database access easy, quick, inexpensive and flexible for the user. Relationships are established between the data items and unnecessary data items are removed. Normalization is done to get an internal consistency of data and to have minimum redundancy and maximum stability. This ensures minimizing data storage required, minimizing chances of data inconsistencies and optimizing for updates. The MS Access database has been chosen for developing the relevant databases.

Vehicle Service Management System (cmsdb) contains 5 MySQL tables :

tbladmin table Structure : This table store the login details of admin.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	ID 	int(11)			No	None		AUTO_INCREMENT
2	AdminName	varchar(50)	latin1_swedish_ci		Yes	NULL		
3	UserName	varchar(50)	latin1_swedish_ci		Yes	NULL		
4	MobileNumber	bigint(10)			Yes	NULL		
5	Email	varchar(120)	latin1_swedish_ci		Yes	NULL		
6	Password	varchar(120)	latin1_swedish_ci		Yes	NULL		
7	AdminRegdate	timestamp			Yes	CURRENT_TIMESTAMP		

tblbranch table Structure : This table store the branch details.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	ID 	int(11)			No	None		AUTO_INCREMENT
2	BranchName	varchar(120)	latin1_swedish_ci		Yes	NULL		
3	BranchContactnumber	bigint(11)			Yes	NULL		
4	BranchEmail	varchar(120)	latin1_swedish_ci		Yes	NULL		
5	BranchAddress	varchar(120)	latin1_swedish_ci		Yes	NULL		
6	BranchCity	varchar(120)	latin1_swedish_ci		Yes	NULL		
7	Branch State	varchar(120)	latin1_swedish_ci		Yes	NULL		
8	BranchPincode	varchar(120)	latin1_swedish_ci		Yes	NULL		
9	BranchCountry	varchar(120)	latin1_swedish_ci		Yes	NULL		

tblstaff table Structure : This table store the staff login and personal details.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	ID 	int(10)			No	None		AUTO_INCREMENT
2	BranchName	varchar(120)	latin1_swedish_ci		Yes	NULL		
3	StaffName	varchar(120)	latin1_swedish_ci		Yes	NULL		
4	StaffMobilenumber	bigint(11)			Yes	NULL		
5	StaffEmail	varchar(120)	latin1_swedish_ci		Yes	NULL		
6	StaffPassword	varchar(120)	latin1_swedish_ci		Yes	NULL		
7	StaffRegdate	timestamp			No	CURRENT_TIMESTAMP		
8	status	int(1)			Yes	NULL		

tblcourier Table Structure : This table store the sender , recipients and courier details.

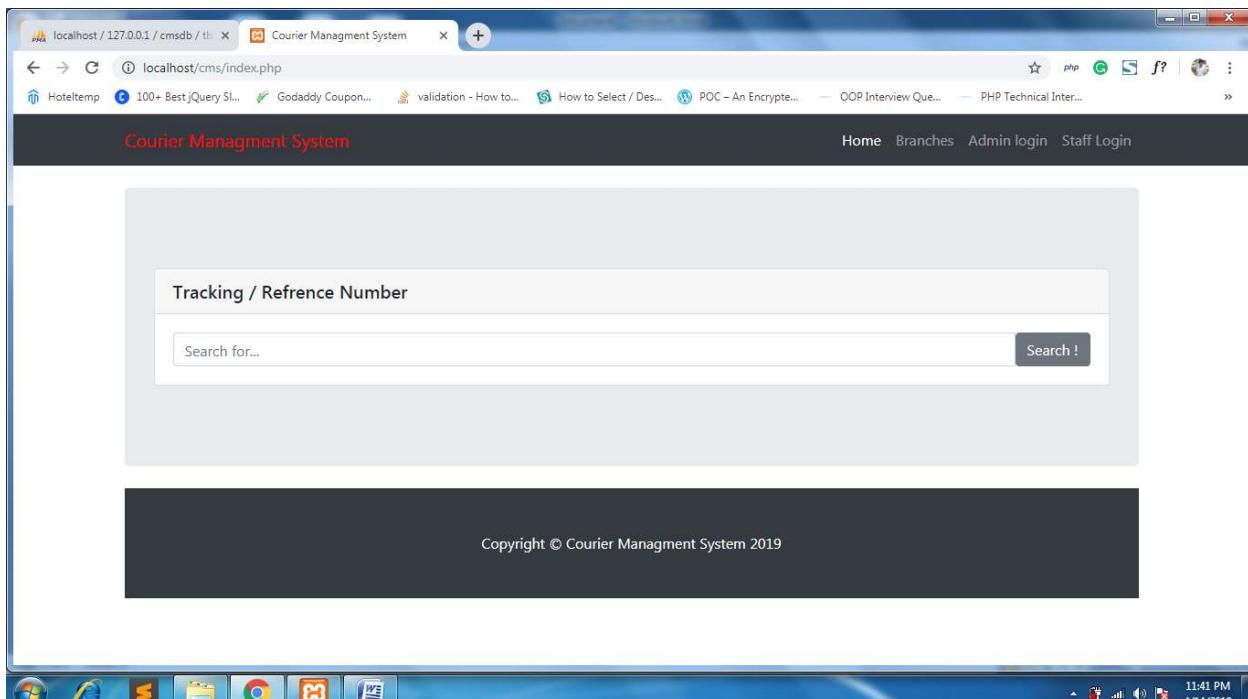
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	ID 	int(11)			No	None		AUTO_INCREMENT
2	RefNumber	varchar(120)	latin1_swedish_ci		Yes	NULL		
3	SenderBranch	varchar(120)	latin1_swedish_ci		Yes	NULL		
4	SenderName	varchar(120)	latin1_swedish_ci		Yes	NULL		
5	SenderContactnumber	bignat(11)			Yes	NULL		
6	SenderAddress	varchar(120)	latin1_swedish_ci		Yes	NULL		
7	SenderCity	varchar(120)	latin1_swedish_ci		Yes	NULL		
8	SenderState	varchar(120)	latin1_swedish_ci		Yes	NULL		
9	SenderPincode	varchar(120)	latin1_swedish_ci		Yes	NULL		
10	SenderCountry	varchar(120)	latin1_swedish_ci		Yes	NULL		
11	RecipientName	varchar(120)	latin1_swedish_ci		Yes	NULL		
12	RecipientContactnumber	bignat(11)			Yes	NULL		
13	RecipientAddress	varchar(120)	latin1_swedish_ci		Yes	NULL		
14	RecipientCity	varchar(120)	latin1_swedish_ci		Yes	NULL		
15	RecipientState	varchar(120)	latin1_swedish_ci		Yes	NULL		
16	RecipientPincode	varchar(120)	latin1_swedish_ci		Yes	NULL		
17	RecipientCountry	varchar(120)	latin1_swedish_ci		Yes	NULL		
18	CourierDes	varchar(250)	latin1_swedish_ci		Yes	NULL		
19	ParcelWeight	varchar(120)	latin1_swedish_ci		Yes	NULL		
20	ParcelDimensionlen	varchar(120)	latin1_swedish_ci		Yes	NULL		
21	ParcelDimensionwidth	varchar(120)	latin1_swedish_ci		Yes	NULL		
22	ParcelDimensionheight	varchar(120)	latin1_swedish_ci		Yes	NULL		
23	ParcelPrice	varchar(120)	latin1_swedish_ci		Yes	NULL		
24	Status	varchar(124)	latin1_swedish_ci		Yes	NULL		
25	CourierDate	timestamp			No	CURRENT_TIMESTAMP		

tblcouriertracking Table Structure : This table store the courier movement history.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	ID 	int(11)			No	None		AUTO_INCREMENT
2	CourierId	int(11)			Yes	NULL		
3	remark	mediumtext	latin1_swedish_ci		Yes	NULL		
4	status	varchar(255)	latin1_swedish_ci		Yes	NULL		
5	StatusDate	timestamp			Yes	CURRENT_TIMESTAMP		

OUTPUT SCREENS

Home Page



Branch detail page

The screenshot shows a web browser window titled "Courier Management System" at the URL "localhost/cms/index.php". The page has a dark header bar with the title and navigation links for "Home", "Branches", "Admin login", and "Staff Login". Below the header is a section titled "Our Branch Details" containing five boxes, each showing details for a different branch:

- CMS Delhi**

Contact Number	8977977778
Email ID	delhi@gmail.com
Address	c-140, mayur vihar ph-3, near sbi bank
City	New Delhi
State	Delhi-2858978
Country	India
- CMS Agra**

Contact Number	8797987777
Email ID	agra@gmail.com
Address	D-124, gohana road, near reliance fresh
City	Agra
State	UP-221001
Country	India
- CMS Kanpur**

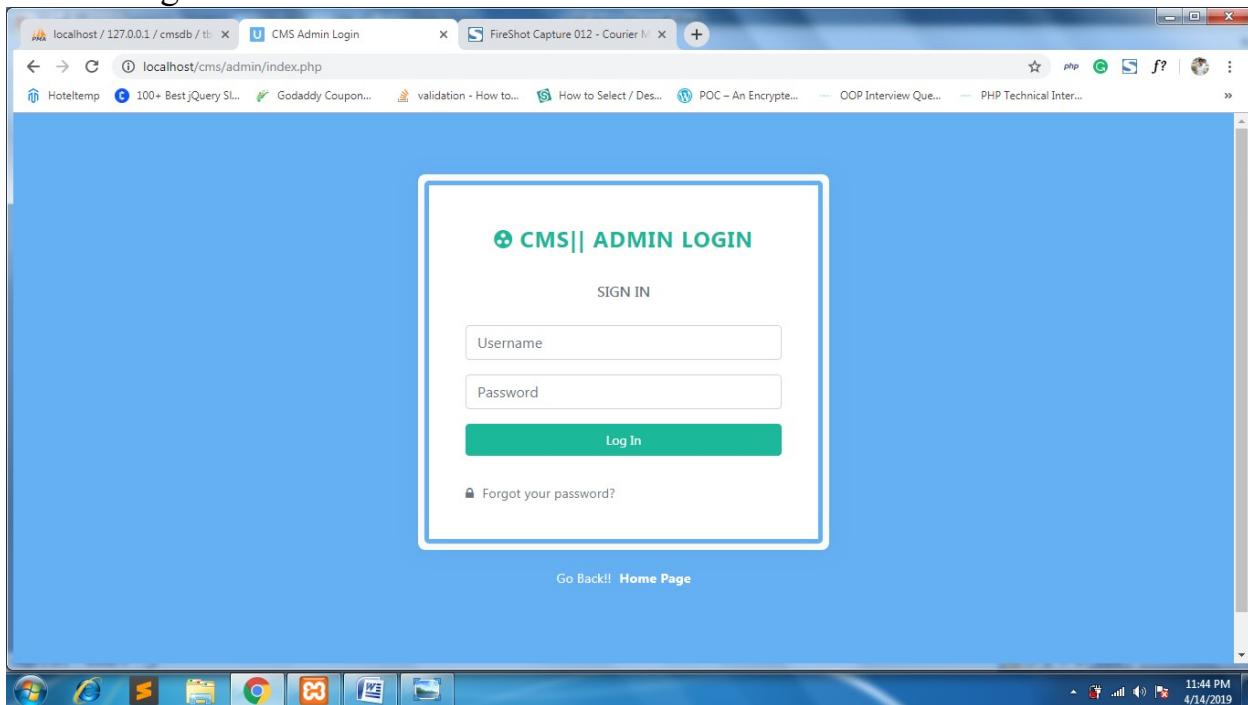
Contact Number	8988898889
Email ID	kanpur@gmail.com
Address	F-171, Maharana Pratap Road Near SBI Bank Block C
City	Kanpur
State	UP-2210014
Country	India
- Test branch**

Contact Number	1234567890
Email ID	test@gmail.com
Address	Test Address
City	New Delhi
State	Delhi-110091
Country	India
- Noida Branch**

Contact Number	987654321
Email ID	noidacm@test.com
Address	A-1 Sector 63
City	Noida
State	UP-201301
Country	India

At the bottom of the page is a dark footer bar with the copyright notice "Copyright © Courier Management System 2019". The browser's address bar shows the local host URL, and the taskbar at the bottom of the screen displays various system icons.

Admin Login



Admin Dashboard

A screenshot of a web browser window showing the 'CMS|| Dashboard' page. The dashboard has a dark header with the title 'ADMIN PANEL' and a user profile icon. On the left, a sidebar menu is open, showing 'Dashboard' as the active item, along with other options like 'Branches', 'CMS Staff', 'Courier', and 'Reports'. The main area displays several performance metrics in cards:

- TOTAL COURIER: 10
- TOTAL COURIER PICKUP: 2
- TOTAL SHIPPED: 1
- INTRANSIT COURIER: 2
- TOTAL COURIER ARRIVED AT DESTINATION: 0
- TOTAL COURIER OUT FOR DELIVERY: 1
- TOTAL DELIVERED COURIER: 3

At the bottom, a footer note reads '2019 © Courier Management System'. The browser's address bar shows 'localhost / 127.0.0.1 / cmsdb / t... CMS|| Dashboard'. The taskbar at the bottom shows various application icons.

Add Branch

ADMIN PANEL

Dashboard

Branches

Add Branch

Manage Branch

Branch Detail

BRANCH DETAIL

Branch Name	<input type="text"/>
Branch Contact Number	<input type="text"/>
Branch Email	<input type="text"/>
Branch Address	<input type="text"/>
Branch City	<input type="text"/>
Branch State	<input type="text"/>
Branch Pincode	<input type="text"/>
Branch Country	<input type="text"/>

Submit

2019 © Courier Management System

Manage Branch Page

localhost / 127.0.0.1 / cmsdb / CMS Branch

localhost/cms/admin/manage-branch.php

ADMIN PANEL

Dashboard

Branches

Add Branch

Manage Branch

CMS Staff

Courier

Reports

BRANCH DETAIL

S.NO	Branch Name	Branch Contact Number	Branch Email	Action
1	CMS Delhi	8977977778	delhi@gmail.com	Edit
2	CMS Agra	8797987777	agra@gmail.com	Edit
3	CMS Kanpur	8988898889	kanpur@gmail.com	Edit
4	Test branch	1234567890	test@gmail.com	Edit
5	Noida Branch	987654321	noidacm@test.com	Edit

Showing 1 to 5 of 5 entries

Previous 1 Next

2019 © Courier Management System

11:48 PM
4/14/2019

Edit Branch Details

ADMIN PANEL

- Dashboard
- Branches
- CMS Staff
- Courier

Branch Detail

BRANCH DETAIL	
Branch Name	CMS Delhi
Branch Contact Number	8977977778
Branch Email	delhi@gmail.com
Branch Address	c-140, mayur vihar ph-3, near sbi bank
Branch City	New Delhi
Branch State	Delhi
Branch Pincode	2858978
Branch Country	India

Update

2019 © Courier Management System

Add Staff

ADMIN PANEL

- Dashboard
- Branches
- CMS Staff**
 - Add Staff
 - Manage Staff
- Courier
- Reports

Staff Detail

STAFF DETAIL	
Branch Name	Branch Name
Staff Name	
Staff Mobile Number	
Staff Email	
Staff Password	

Submit

Manage Staff

The screenshot shows a web-based administration panel titled "ADMIN PANEL". The left sidebar has a tree view with "Dashboard", "Branches", "CMS Staff" (which is expanded to show "Add Staff" and "Manage Staff"), "Courier", and "Reports". The main content area is titled "STAFF DETAILS" and displays a table of staff entries. The table columns are S.NO, Branch Name, Staff Name, Staff Number, and Action. The entries are:

S.NO	Branch Name	Staff Name	Staff Number	Action
1	CMS Delhi	Harish Pandey	8978987996	Edit Active
2	CMS Delhi	Jao	7987464678	Edit Inactive
3	CMS Agra	Kumar	4789747897	Edit Active
4	CMS Kanpur	Girish Chandra	8989985624	Edit Inactive
5	Test Branch	Test Staff	1234567890	Edit Inactive

At the bottom, it says "Showing 1 to 5 of 5 entries" and has "Previous" and "Next" buttons. The footer says "2019 © Courier Management System".

Edit Staff Details

The screenshot shows the "Edit Staff Detail" form. The left sidebar is the same as the previous screen. The main content area is titled "Staff Detail" and contains a "STAFF DETAIL" section with four input fields: "Branch Name" (Test Branch), "Staff Name" (Test Staff), "Staff Mobile Number" (1234567890), and "Staff Email" (test@gmail.com). Below the fields is a blue "Update" button. The footer says "2019 © Courier Management System".

Manage Courier

The screenshot shows a web application titled "CMS Courier" running on a local host. The interface includes a sidebar menu labeled "ADMIN PANEL" with options like Dashboard, Branches, CMS Staff, and Courier (which is currently selected). Under Courier, there are sub-options: New Courier, Courier Pickup, Shipped, Intransit, Arrived at Destination, Out for Delivery, and Delivered. The main content area is titled "COURIER VIEW" and displays a table of courier entries. The table has columns for S.NO, Reference Number, Sender Name, Recipient Name, Courier Date, and Action. Two entries are listed:

S.NO	Reference Number	Sender Name	Recipient Name	Courier Date	Action
1	338122505	Raghav	Manish	2019-04-10 16:24:25	View Detail
2	700159918	Anuj kumar	Rahul	2019-04-14 18:36:01	View Detail

Below the table, it says "Showing 1 to 2 of 2 entries". The bottom right corner of the window shows the date and time: "2019 © Courier Management System", "11:54 PM", and "4/14/2019".

View Courier Details

➊ ADMIN PANEL

☰

COURIER VIEW

Reference Number: 997614830

Courier Date : 2019-04-03 13:01:36

Sender Details		Recipient Details	
Sender Branch	CMS Kanpur	Recipient Name	Deepika Singh
Sender Name	Rahul Mahajan	Recipient Contact Number	987456123
Sender Contact Number	8569745697	Recipient Address	Flat No:104, harishnagar
Sender Address	H.NO-B-3/4, Gulmar Colony	Recipient City	Manaili
Sender City	Kanpur	Recipient State	HP
Sender State	UP	Recipient Pincode	551224
Sender Pincode	221441	Recipient Country	India
Sender Country	India		

Courier Description		Parcel Contain fibre
Parcel Weight	3.5 kg	
Parcel Dimension Length	45 inch	
Parcel Dimension Width	30 inch	
Parcel Dimension Height	25 inch	
Parcel Price	800	
Status	Delivered	

Courier History			
#	Remark	Status	Time
1	Parcel Has been picked	Shipped	2019-04-03 13:03:01
2	Parcel reached hub city	Intransit	2019-04-03 13:03:51
3	Arrived at destination	Arrived at Destination	2019-04-03 13:04:31
4	Parcel out for delivery	Out for Delivery	2019-04-03 13:05:10
5	Parcel has been delivered	Delivered	2019-04-03 13:05:38

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Between Dates Report

The screenshot shows the 'Between Dates Reports' section of the CMS Report interface. On the left, a sidebar menu under 'Reports' includes 'Between Dates' (which is selected), 'Request Counts', and 'Sales Reports'. The main content area displays a form titled 'BETWEEN DATES REPORTS' with fields for 'From Date' (03/24/2019) and 'To Date' (04/14/2019). Below these are radio buttons for 'Request Type': 'All', 'Courier Pickup', 'Intransit', 'Arrived at Destination', 'Out for Delivery', and 'Delivered'. A 'Submit' button is located at the bottom right of the form. At the very bottom of the page, a footer note reads '2019 © Courier Management System'.

Between dates reports details

The screenshot shows the results of the 'Between Dates Reports' search. The title bar indicates the report period: 'Report from 2019-03-24 to 2019-04-14'. The table below lists 7 entries:

S.NO	Reference Number	Sender Name	Recipient Name	Courier Date	Action
1	148776252	Akash Jha	Parakash Sharma	2019-03-28 16:15:07	View Detail
2	887985411	Gyan Ganga	Harish	2019-03-28 16:58:19	View Detail
3	997614830	Rahul Mahajan	Deepika Singh	2019-04-03 13:01:36	View Detail
4	824523415	Mohan Das	Kaushal	2019-04-03 21:46:47	View Detail
5	347227212	Falguni Singh	Drashan Singh	2019-04-03 21:49:27	View Detail
6	486484879	Ankush Sharma	Divyansh	2019-04-04 12:13:01	View Detail
7	338122505	Raghav	Manish	2019-04-10 16:24:25	View Detail

At the bottom, a message says 'Showing 1 to 7 of 7 entries' and there are navigation buttons for 'Previous', '1', and 'Next'.

Courier Count Report

The screenshot shows the 'Request Count Report' page within the Admin Panel. The left sidebar has a 'Reports' section with 'Request Counts' selected. The main area shows a form with 'From Date' set to 03/24/2019 and 'To Date' set to 04/15/2019, with a 'Submit' button. The footer displays '2019 © Courier Management System'.

Request Count Report detail

The screenshot shows the 'REPORT COUNTS' page for the 'Courier Request Count Report from 2019-03-24 to 2019-04-15'. The left sidebar has a 'Reports' section with 'Request Counts' selected. The main area displays a table with the following data:

S.NO	Total Courier Listed	Not Picked up yet	Total Courier Pickup	Total Shipped	Total Intransit
3/2019	2	0	0	0	0
4/2019	7	2	1	1	1
Total	9	2	1	1	1

The footer displays '2019 © Courier Management System'.

Sales Report

The screenshot shows a web-based CMS Sales Report system. On the left, a sidebar titled "ADMIN PANEL" contains links for Dashboard, Branches, CMS Staff, Courier, and Reports. Under Reports, there are three options: Between Dates, Request Counts, and Sales Reports. The main content area is titled "CMS Sales Report" and displays a form for "BETWEEN DATES SALES REPORTS". It includes fields for "From Date" (03/24/2019) and "To Date" (04/15/2019), and a "Request Type" section with radio buttons for "Date wise" and "Month wise". A blue "Submit" button is located at the bottom right of the form. At the bottom of the page, a copyright notice reads "2019 © Courier Management System". The browser's address bar shows the URL "localhost/cms/admin/sales-report.php". The taskbar at the bottom of the screen shows various application icons.

Sales Report Details

The screenshot shows the "Sales Report Details" page. The sidebar on the left is identical to the previous screenshot. The main content area is titled "SALES REPORT" and features a heading "Sales Report from 2019-03-24 to 2019-04-15". Below this, a table displays sales data with columns for S.NO, Date, and Sale Amount. The table has four rows: the first two show individual sales (S.NO 1 on 3-2019 for 750, S.NO 2 on 4-2019 for 2155), and the last two show totals (Grand Total for 2905). The copyright notice "2019 © Courier Management System" is at the bottom. The browser's address bar shows the URL "localhost/cms/admin/sales-report-details.php". The taskbar at the bottom of the screen shows various application icons.

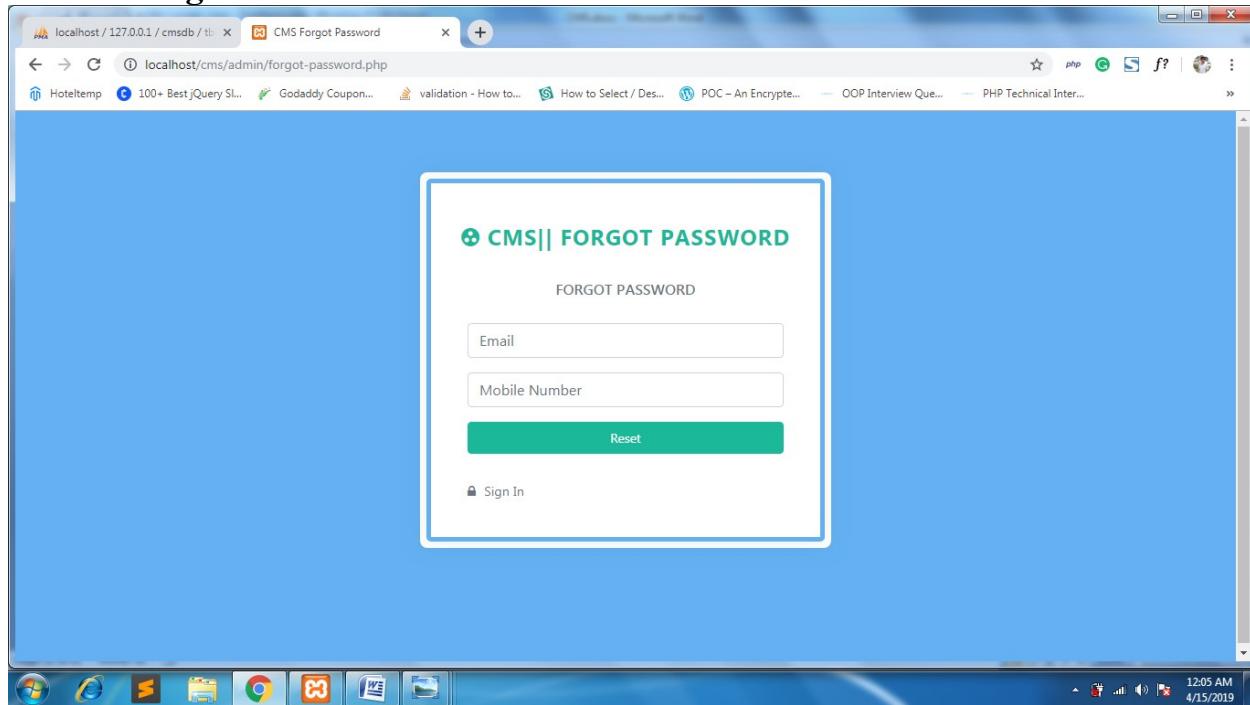
Admin Profile

The screenshot shows the 'Admin Profile' page of a CMS system. The left sidebar has a dark blue header with the text 'ADMIN PANEL'. Below it are navigation items: Dashboard, Branches, CMS Staff, Courier, and Reports. The main content area has a title 'Admin Profile' and a sub-section 'ADMIN PROFILE'. It contains four input fields: 'Admin Name' (value: Admin), 'User Name' (value: admin), 'Contact Number' (value: 9878987987), and 'Email' (value: admin@gmail.com). A blue 'Update' button is located at the bottom right of the form. At the very bottom of the page, a footer bar displays the text '2019 © Courier Management System'.

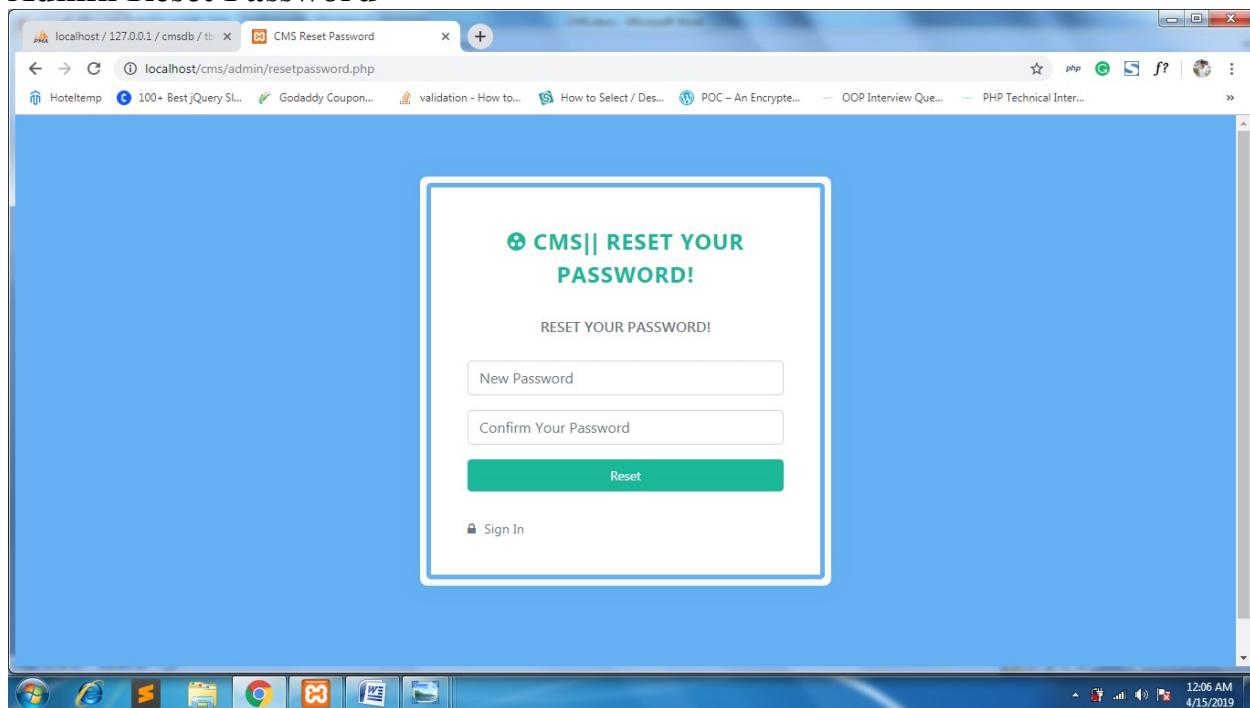
Change Password

The screenshot shows the 'Change Password' page of the CMS system. The left sidebar is identical to the previous screenshot. The main content area has a title 'Change Password' and a sub-section 'CHANGE PASSWORD'. It contains three input fields: 'Current Password', 'New Password', and 'Confirm Password'. A blue 'Change' button is located at the bottom right of the form. The footer bar at the bottom of the page also displays '2019 © Courier Management System'.

Admin Forgot Password



Admin Reset Password



Staff Dashboard

The screenshot shows a web-based staff dashboard for a courier management system. The interface includes a sidebar on the left with a 'STAFF PANEL' header, a main dashboard area with six data cards, and a footer with system information.

STAFF PANEL:

- Dashboard (selected)
- Add Courier
- Status
- Search Courier

Dashboard Area:

Category	Value	Icon
TOTAL COURIER	10	📦
TOTAL COURIER PICKUP	2	P
TOTAL SHIPPED	1	📊
INTRANSIT COURIER	2	🚀
TOTAL COURIER ARRIVED AT DESTINATION	0	📦
TOTAL COURIER OUT FOR DELIVERY	1	P
TOTAL DELIVERED COURIER	3	📊

Footer:

2019 © Courier Management System.

System status icons at the bottom right: 12:08 AM, 4/15/2019.

Courier Detail Form

STAFF PANEL

- Dashboard
- Add Courier
- Status >
- Search Courier

Courier Detail

SENDER DETAIL		RECIPIENT DETAIL	
Sender Branch	Test Branch	Recipient Name	
Sender Name		Recipient Contact Number	
Sender Contact Number		Recipient Address	
Sender Address		Recipient City	
Sender City		Recipient State	
Sender State		Recipient Pincode	
Sender Pincode		Recipient Country	
Sender Country			

COURIER DETAIL

Courier Description			
Parcel weight(in kg)	for example:2kg or .2kg		
Parcel Dimension(in inch)		X	w
Parcel Price			

2019 © Courier Management System.

Manage Courier

The screenshot shows a web application titled "CMS Courier" running on a local host. The interface includes a sidebar labeled "STAFF PANEL" with options like Dashboard, Add Courier, Status (selected), and Search Courier. The main content area is titled "COURIER VIEW" and displays a table with one entry. The table columns are S.NO, Reference Number, Sender Name, Recipient Name, Courier Date, and Action. The single entry shows S.NO 1, Reference Number 347227212, Sender Name Falguni Singh, Recipient Name Drashan Singh, Courier Date 2019-04-03 21:49:27, and Action "View Detail". The bottom of the page includes a footer with the text "2019 © Courier Management System." and a status bar at the bottom right showing the date and time.

S.NO	Reference Number	Sender Name	Recipient Name	Courier Date	Action
1	347227212	Falguni Singh	Drashan Singh	2019-04-03 21:49:27	View Detail

Showing 1 to 1 of 1 entries

Search:

2019 © Courier Management System.

localhost/cms/staff/courierpickup.php

12:14 AM
4/15/2019

View Courier Details

✖ STAFF PANEL
☰

Dashboard
Add Courier
Status >
Search Courier

COURIER VIEW

Reference Number: 347227212

Courier Date : 2019-04-03 21:49:27

Sender Details		Recipient Details	
Sender Branch	CMS Kanpur	Recipient Name	Drashan Singh
Sender Name	Falguni Singh	Recipient Contact Number	7998789887
Sender Contact Number	8987897744	Recipient Address	fhgjhuihkjhklj
Sender Address	abc hauz khas	Recipient City	Lucknow
Sender City	Kanpur	Recipient State	UP
Sender State	UP	Recipient Pincode	789898
Sender Pincode	897979	Recipient Country	India
Sender Country	India		

Courier Description		Parcel Details	
Parcel Weight	1.5 kg	Parcel contain fibre	
Parcel Dimension Length	8 inch		
Parcel Dimension Width	10 inch		
Parcel Dimension Height	12 inch		
Parcel Price	80		
Status	Courier Pickup		

Courier History			
#	Remark	Status	Time
1	Courier is pickup	Courier Pickup	2019-04-10 16:25:00

Take Action

2019 © Courier Management System.

Courier Action

The screenshot shows a web application interface for managing couriers. On the left, there's a sidebar titled "STAFF PANEL" with options like Dashboard, Add Courier, Status, and Search Courier. The main area has tabs for "Parcel Weight", "Parcel Dimension", "Parcel Dimension", "Parcel Dimension", "Parcel Price", and "Status". A modal window titled "Take Action" is open, containing fields for "Staff Remark" and "Status". The "Status" dropdown menu is open, showing options: Courier Pickup, Courier Pickup (selected), Shipped, Intransit, Arrived at Destination, Out for Delivery, and Delivered. Below the status field, there's a "Time" field showing "2019-04-10 16:25:00". The system is running on a Windows operating system, as indicated by the taskbar icons and date/time at the bottom.

Search Page

The screenshot shows a search results page for couriers. The sidebar on the left has a "Search Courier" option selected. The main area has a search form with a "Reference Number" input field and a "Search" button. Below the form, it says "Result against \"700159918\" keyword". A table displays the search results with columns: S.NO, Reference Number, Sender Name, Recipient Name, Courier Date, and Action. One entry is shown: S.NO 1, Reference Number 700159918, Sender Name Anuj kumar, Recipient Name Rahul, Courier Date 2019-04-14 18:36:01, and Action View Detail. At the bottom, it says "Showing 1 to 1 of 1 entries". The system is running on a Windows operating system, as indicated by the taskbar icons and date/time at the bottom.

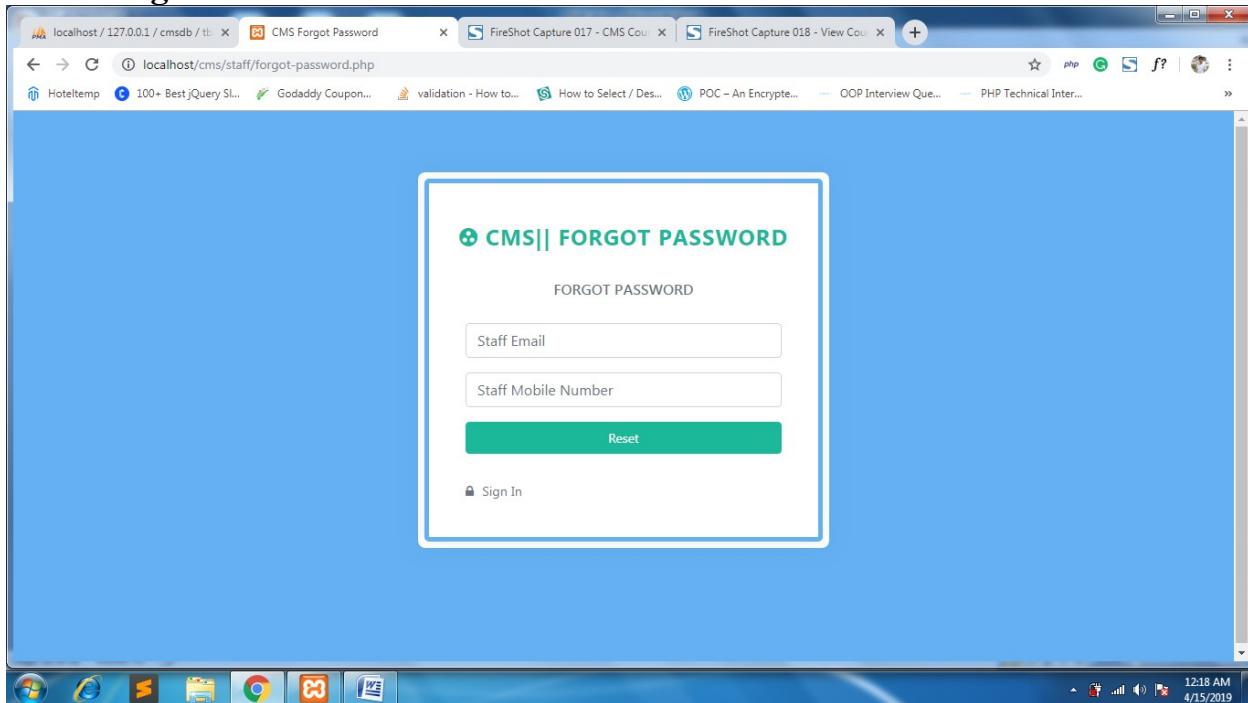
Staff Profile

The screenshot shows a web application interface titled "STAFF PROFILE". On the left, a sidebar menu includes "Dashboard", "Add Courier", "Status", and "Search Courier". The main content area displays five input fields: "Staff Name" (Test Staff), "Branch Name" (Test Branch), "Staff Mobile Number" (1234567890), "Email" (test@gmail.com), and "Staff Registration Date" (2019-04-14 18:23:31). A blue "Update" button is located at the bottom right of the form.

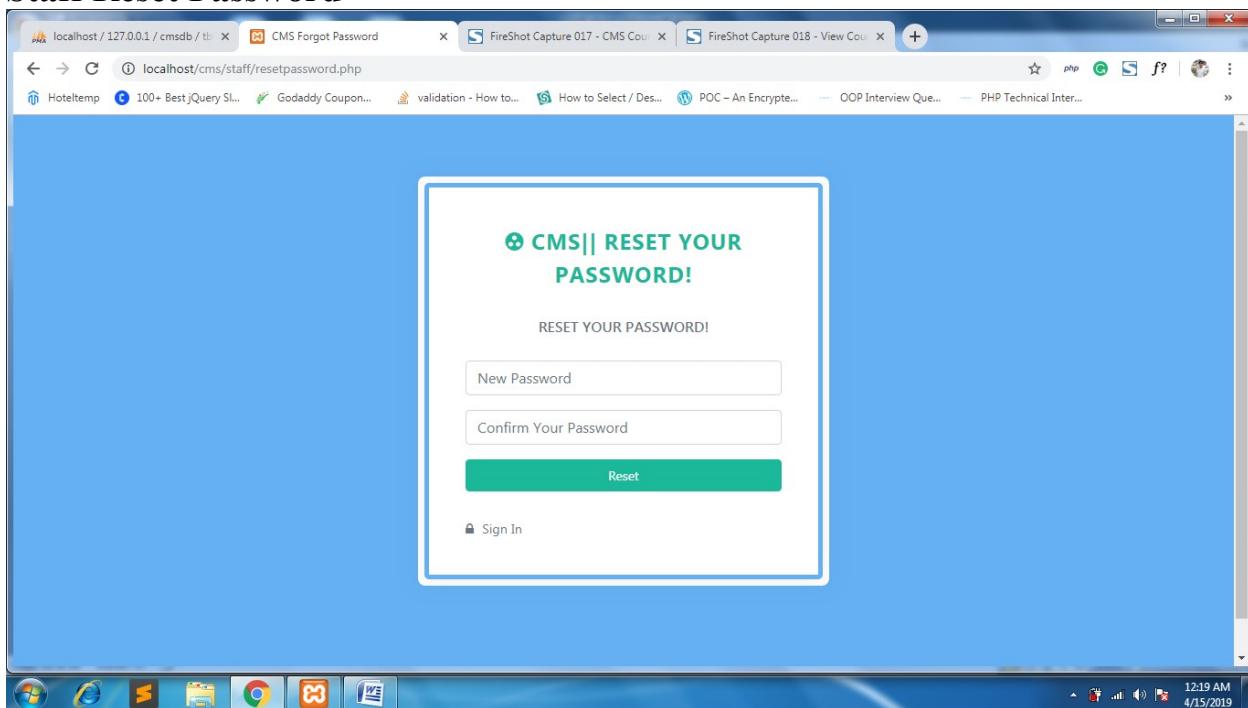
Change Password

The screenshot shows a web application interface titled "CHANGE PASSWORD". On the left, a sidebar menu includes "Dashboard", "Add Courier", "Status", and "Search Courier". The main content area displays three input fields: "Current Password", "New Password", and "Confirm Password". A blue "Change" button is located at the bottom right of the form. At the bottom of the page, a copyright notice reads "2019 © Courier Management System."

Staff Forgot Password



Staff Reset Password



PROJECT TESTING

Software Testing Strategies

Testing is a set of activities that can be planned in advanced and conducted systematically. A strategy for software testing must accommodate low-level tests that are necessary to verify that a small source code segment has been correctly implemented as well as high-level tests that validate major system functions against customer requirements

There are three types of testing strategies

1. Unit test
2. Integration test
3. Performance test

Unit Testing:

Unit testing focuses verification efforts on the smallest unit of software design module. The unit test is always white box oriented. The tests that occur as part of unit testing are testing the module interface, examining the local data structures, testing the boundary conditions, execution all the independent paths and testing error-handling paths.

Integration Testing:

Integration testing is a systematic technique or construction the program structure while at the same time conducting tests to uncover errors associated with interfacing. Scope of testing summarizes the specific functional, performance, and internal design characteristics that are to be tested. It employs top-down testing and bottom-up testing methods for this case.

Performance Testing:

Timing for both read and update transactions should be gathered to determine whether system functions are being performed in an acceptable timeframe.

CONCLUSION

The entire project has been developed and deployed as per the requirements stated by the user, it is found to be bug free as per the testing standards that is implemented. Any specification-untraced errors will be concentrated in the coming versions, which are planned to be developed in near future. The system at present does not take care off the money payment methods, as the consolidated constructs need SSL standards and are critically to be initiated in the first face, the application of the credit card transactions is applied as a developmental phase in the coming days. The system needs more elaborative technicality for its inception and evolution.

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