

A PROJECT REPORT
ON
Courier Management System

SUBMITTED TO THE MSBTE, MUMBAI
IN THE PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD
OF

DIPLOMA IN COMPUTER TECHNOLOGY

By

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Under the Guidance of

D. J. Trigule



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2020 - 2021



CERTIFICATE

This is to certify that the project report entitled

Courier Management System

Submitted by:

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is a bonafide work carried out by them under the guidance of **D. J. Trigule** and it is approved for the partial fulfillment of the requirement of MSBTE, MUMBAI for the award of the Diploma in Computer Technology

This project work has not been earlier submitted to any other Institute or University for the award of any degree or diploma.

D. J Trigule

M.C.Patil

A.A.Bhavantkar

(Project guide)

Head

Principal

Department Of Computer Technology

S.E.S. Polytechnic, Solapur

Place: Solapur

Date: 30/06/2021

DECLARATION

I hereby declare that this project work entitled “**Courier Management System**” has been prepared by me during the academic year 2020 – 21 under the guidance of **D. J. Trigule**, Department of Computer Technology, S.E.S.Polytechnic, Solapur in the partial fulfillment of diploma degree prescribed by the college.

I also declare that this project is the outcome of my own effort, that it has not been submitted to any other university for the award of any degree.

Ms. Sanjana Upase
Student Name & Signature

ACKNOWLEDGEMENT

It gives us a great pleasure to present the project report entitled **Courier Management System**

This project has given us a great learning experience in understanding the various aspects of the Android app designing. So, we would like to acknowledge all the minds and hands that contributed in giving this project a proper shape.

We are grateful to our **Hon. D. J. Trigule** our Project Guide for her encouragement and guidance & keen interest throughout project. We are also thankful to our **Head Of Department Mr. M.C Patil** and our **Principal A.A.Bhavantkar** for their moral support.

We are thankful to all the staff and non-teaching members of Computer Technology Department for their co-operation during the project work. We are very grateful to those who in the form of books had conveyed guidance in this project work.

ABSTRACT

It is now-a-days very important for the people to send or receive articles like imported furniture, electronic items, gifts, business goods and the like. People depend vastly on different transport systems which mostly use the manual way of receiving and delivering the articles. There is no way to track the articles till they are received and there is no way to let the customer know what happened in transit, once he booked some articles. In such a situation, we need a system which completely computerizes the cargo activities including time to time tracking of the articles sent. This need is fulfilled by Courier Management System software which is online software for the cargo management people that enables them to receive the goods from a source and send them to a required destination and track their status from time to time.

1. INTRODUCTION

Courier Management System is a software for the cargo offices where the customer can approach the office and book an article or good. The manager/clerk can use this software to enter the details of the customer and goods along with the source and destination points. The details of loading the goods into the physical transport system are also recorded by the system. The system has GUI for the users to manage not only daily transactions but also to keep the historical data in the database for future reference. The other user of the system is administrator who can manage the vehicles information as well as employees' information. He can also create new branch based on branch requests and can decide the route for the cargo to take on a particular day so that delivery happens at the customer's nearest point.

- **BACKGROUND**

Courier Management System (CMS) is a modular full business software framework for an enterprise which possess operations in domestic and international courier services. CMS performs a variety of activities pertaining to the processes in the logistic context of a courier business. CMS solution handles the end to end process starting from initiating a courier order, driver pickup and delivery of a courier business. CMS covers all the controls and processes involved in Domestic Pickup & Delivery.

1.1 PROBLEM DEFINITION

The courier management system is supposed to be effective and utilize the resources in an optimum manner to ensure timely service with least cost. Every aspect of the operation from pickup/received must be logged properly. The movement of goods between hubs or zones will have a time limit set under which it must be completed. Any packages which remain undelivered or unclaimed will be notified to the receiver first and then the sender. The receiver will be sent a tracking ID by the courier service company through SMS/email. This can be used to track its movement. The design and implementation of this system will be the goal of this project.

1.2. A) SOFTWARE REQUIREMENT SPECIFICATION

The introduction of the Software Requirements Specification (SRS) provides an overview of the entire SRS with purpose, scope, definitions, acronyms, abbreviations, references and overview of the SRS. The aim of

this document is to gather and analyze and give an in-depth insight of the complete requirements of our project by defining the requirements in detail. Nevertheless, it also concentrates on the capabilities required to run out project on different high-level software features.

- **FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS**

- A. FUNCTIONAL REQUIREMENTS**

1. Tracking Facility
2. Parcel Details should be provided when Parcel ID is provided
3. Only admin can add and delete the records.
4. Customers should track only their parcels.

- B. NON-FUNCTIONAL REQUIREMENTS**

1. Security
2. Platform Independence
3. Easy to track parcel details
4. Performance

- **SOFTWARE AND HARDWARE REQUIREMENTS**

- A. SOFTWARE REQUIREMENTS**

- HTML5
- CSS3
- XAMPP Server
- PHP
- MySQL
- AJAX
- Bootstrap
- Web Services

- B. HARDWARE REQUIREMENTS**

Computer – Core i5, HDD: 1TB, SSD: 256GB, RAM: 8GB

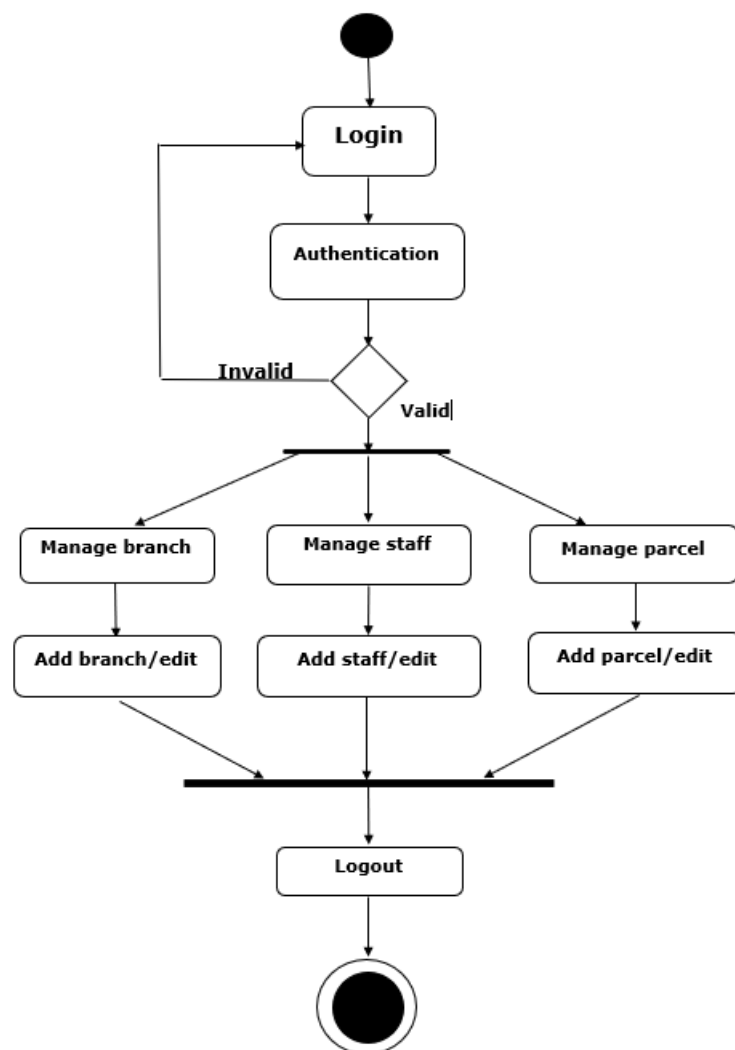
1.2. B) PROJECT PLAN

Planned Dates	Planned Work
September 1 st week	Selection of Team Members.
September 2 nd week	Selection of category of the project.
September 3 rd week	Define project title
September 3 rd week	Prepare survey Questions.
October 1 st week	Create problem statement.
October 2 nd & 3 rd week	Gather requirements related to project
November 1 st & 2 nd week	Analyze requirements
November 4 th week	Assigned project modules to the team.
December 2 nd week	Gather software and hardware requirements.
December 3 rd week	Prepare design report and finalize the designs
January 1 st & 2 nd week	Select appropriate programming Language and Database.
February 2 nd week	Design the system with coding.
March 1 st week	Implement the Database.
March 3 rd week	Implementation of the system.
April 1 st & 2 nd week	Connect Frontend and Backend.
May 1 st week	Test the modules developed.
May 3 rd week	Overall testing of the system with hardware interaction.

2. PROJECT ANALYSIS

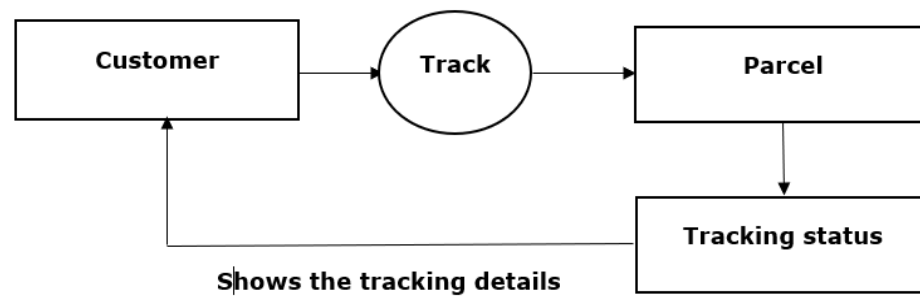
2.1 UML Diagrams

A. Activity Diagram

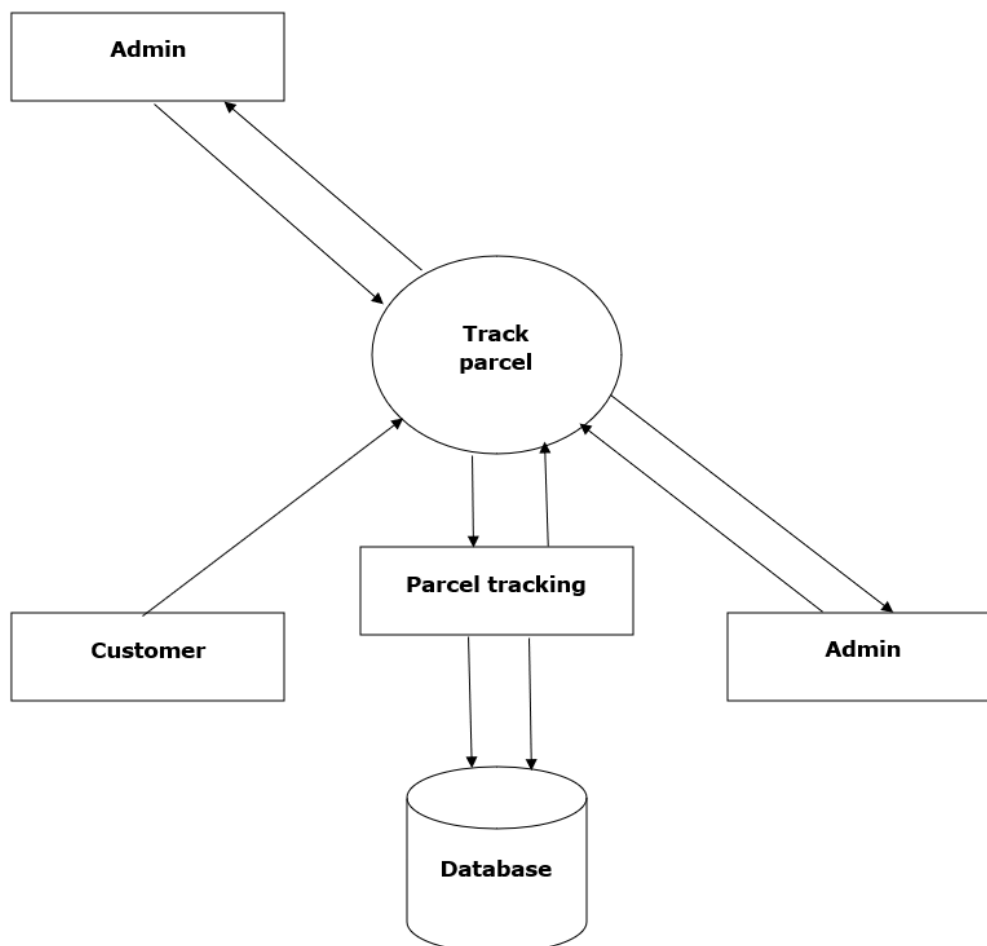


B. Data Flow Diagram

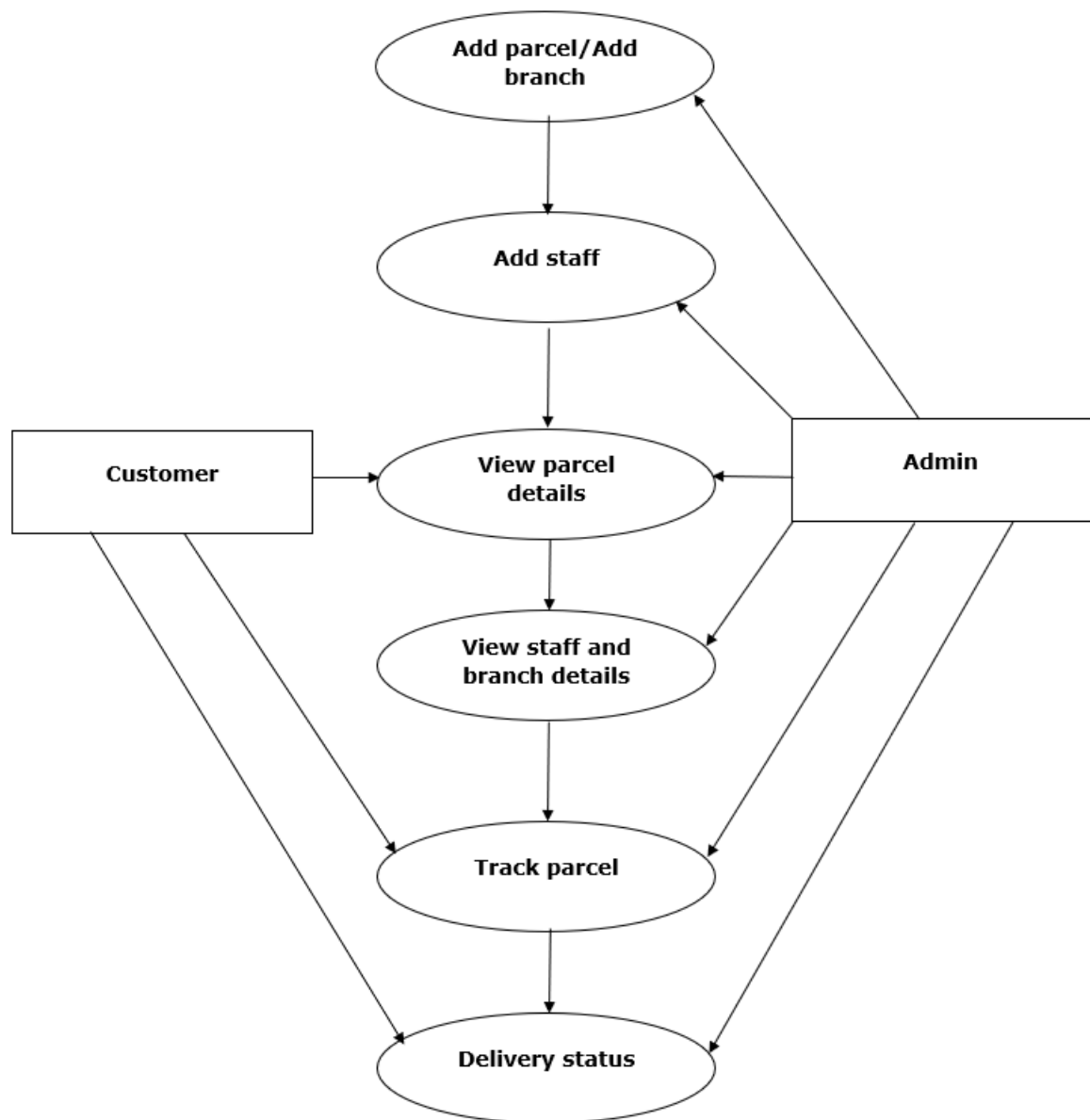
DFD Level 0



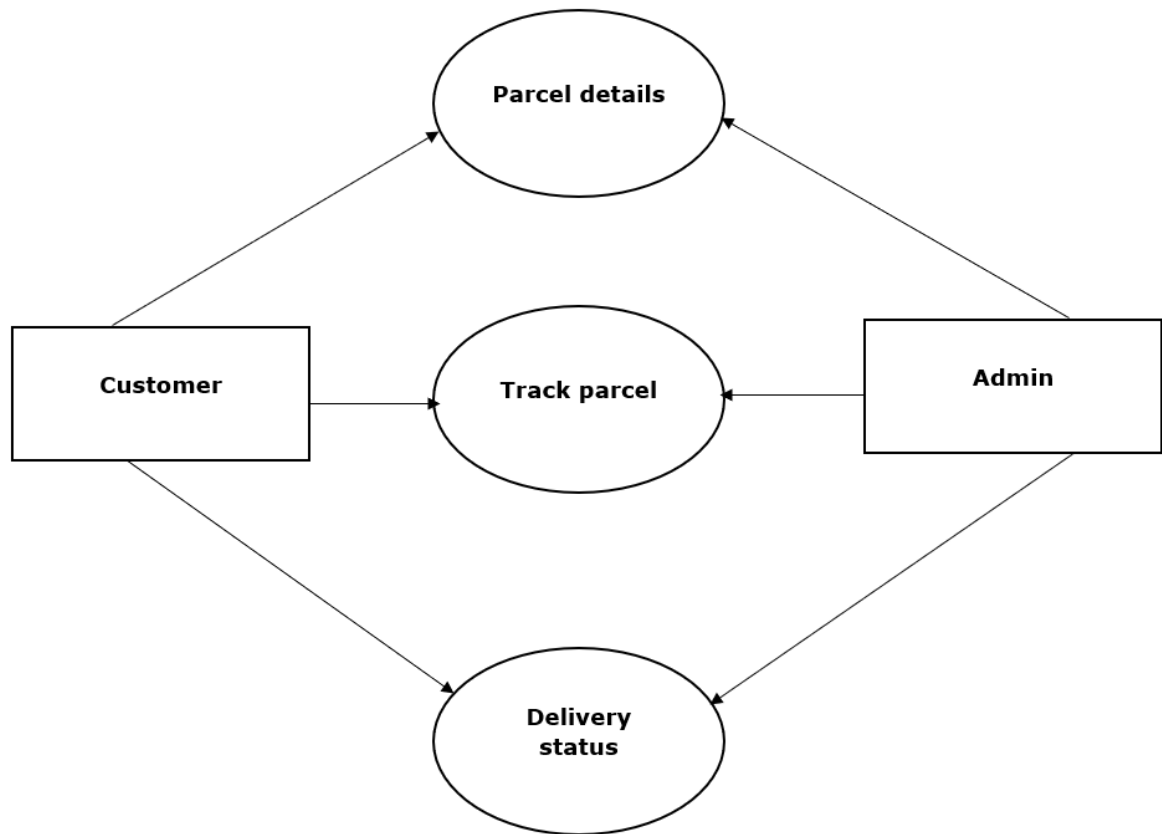
DFD Level 1



C. UML Use-case diagram



D. Use – case diagram



3. PROJECT DESIGN

3.1 PROBLEM DEFINITION

The courier management system is supposed to be effective and utilize the resources in an optimum manner to ensure timely service with least cost. Every aspect of the operation from pickup/received must be logged properly. The movement of goods between hubs or zones will have a time limit set under which it must be completed. Any packages which remain undelivered or unclaimed will be notified to the receiver first and then the sender. The receiver will be sent a tracking ID by the courier service company through SMS/email. This can be used to track its movement. The design and implementation of this system will be the goal of this project.

3.1.1 DISADVANTAGES OF EXISTING SYSTEM

- Single Centralized Database
- High rate of failure
- Corruption of Data
- Cause confusions in case of delays or disputes

3.1.2 Proposed System

The new system titled “Courier Management System” is hence proposed to remove all the problems in the existing system discussed above. Proposed system is a software application which avoids more manual hours that need to spend in record keeping and generating reports. This application keeps

the data in a centralized way which is available to all the users simultaneously. It is very easy to manage historical data in database. No specific training is required for the employees to use this application. They can easily use the tool that decreases manual hours spending for normal things and hence increases the performance. As the data is centralized it is very easy to maintain the status of the goods booked in all branches.

3.1.3 Advantages of Proposed System

The following are the advantages of proposed system

- Easy to manage all the daily transactions
- Centralized database helps in avoiding conflicts between different branches
- Provides better customer support from any branch
- Can generate required reports easily
- Easy to manage historical data in a secure manner
- Easy to use GUI that does not requires specific training

3.2 SPECIFICATIONS

3.2.1 SCOPE AND PURPOSE

Existing system has a lot of disadvantages mentioned above, the purpose of this project is to overcome the problems of existing system. The 'Courier Tracking System' has been developed to override the problems prevailing in the practicing manual systems. It allows customers to visit the website and enter their package id to track their parcel. The status of their consignment is then visible to the customer. The system will manage various activities like:

- Maintaining details of branches.
- Maintaining details of staff.
- Maintaining details of parcels.
- Parcel tracking by customers as well as admins.
- Maintaining daily records of parcels.

3.2.2 STRUCTURE OF TRACKING PARCEL



Fig. Tracking Parcel Button

1. **Tracking Button** – Customers will go to our website and can click on the track button to track their parcels.
2. **Tracking Structure** – After clicking the above Tracking button the website will redirect you to the tracking parcel page.

Track

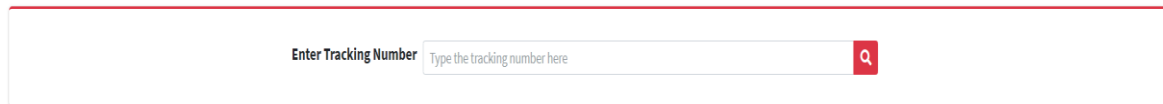
A horizontal form with a label 'Enter Tracking Number' and a text input field containing the placeholder 'Type the tracking number here'. A red search icon is on the right.

Fig. Tracking Structure

Here, customers will enter their Parcel Tracking ID and can track them parcel.

- 3. Tracking of Parcel** – After entering the Parcel Tracking ID the tracking status of the parcel will be displayed like shown below:

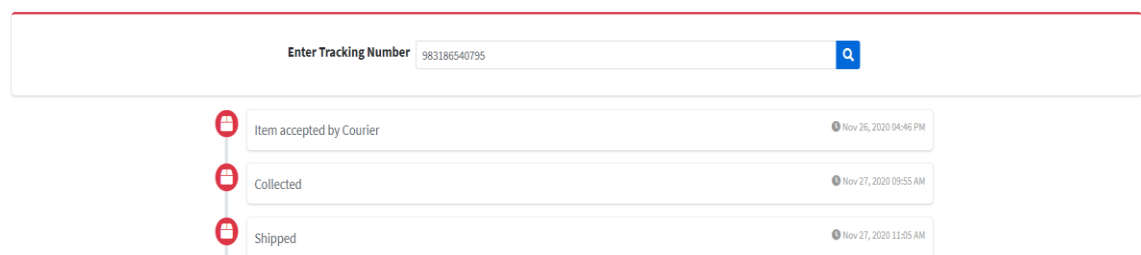
A tracking status display showing a search bar with '983186540795' and a blue search icon. Below it, a vertical timeline shows three steps: 'Item accepted by Courier' (Nov 26, 2020 04:46 PM), 'Collected' (Nov 27, 2020 09:55 AM), and 'Shipped' (Nov 27, 2020 11:05 AM). Each step has a red icon on the left.

Fig. Tracking Status of Parcel

4. PROJECT IMPLEMENTATION & CODING

4.1 Database Implementation

1) cms_db.sql

```
-- phpMyAdmin SQL Dump
-- version 5.0.4
-- https://www.phpmyadmin.net/
--
-- Host: 127.0.0.1
-- Generation Time: Feb 08, 2021 at 06:35 AM
-- Server version: 10.4.17-MariaDB
-- PHP Version: 7.2.34
SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
START TRANSACTION;
SET time_zone = "+00:00";
/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;
--
-- Database: `cms_db`
--
```

```

-----
--
-- Table structure for table `branches`
--
CREATE TABLE `branches` (
  `id` int(30) NOT NULL,
  `branch_code` varchar(50) NOT NULL,
  `street` text NOT NULL,
  `city` text NOT NULL,
  `state` text NOT NULL,
  `zip_code` varchar(50) NOT NULL,
  `country` text NOT NULL,
  `contact` varchar(100) NOT NULL,
  `date_created` datetime NOT NULL DEFAULT current_timestamp()
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
--
-- Dumping data for table `branches`
--
INSERT INTO `branches` (`id`, `branch_code`, `street`, `city`, `state`, `zip_code`, `country`, `contact`,
`date_created`) VALUES
(1, 'vzTL0PqMogyOWhF', 'Branch 1 St., Quiapo', 'Manila', 'Metro Manila', '1001', 'Philippines', '+2 123
455 623', '2020-11-26 11:21:41'),
(3, 'Kylab3mYBgAX71t', 'SAmple', 'Cebu', 'Cebu', '6000', 'Philippines', '+1234567489', '2020-11-26
16:45:05'),
(4, 'dlbUK5mEh96f0Zc', 'Sample', 'Sample', 'Sample', '123456', 'Philippines', '123456', '2020-11-27
13:31:49');
-----
--
-- Table structure for table `parcels`
--
CREATE TABLE `parcels` (
  `id` int(30) NOT NULL,
  `reference_number` varchar(100) NOT NULL,
  `sender_name` text NOT NULL,
  `sender_address` text NOT NULL,
  `sender_contact` text NOT NULL,
  `recipient_name` text NOT NULL,
  `recipient_address` text NOT NULL,
  `recipient_contact` text NOT NULL,
  `type` int(1) NOT NULL COMMENT '1 = Deliver, 2=Pickup',
  `from_branch_id` varchar(30) NOT NULL,
  `to_branch_id` varchar(30) NOT NULL,
  `weight` varchar(100) NOT NULL,
  `height` varchar(100) NOT NULL,
  `width` varchar(100) NOT NULL,
  `length` varchar(100) NOT NULL,
  `price` float NOT NULL,
  `status` int(2) NOT NULL DEFAULT 0,
  `date_created` datetime NOT NULL DEFAULT current_timestamp()
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
--
-- Dumping data for table `parcels`

```

```

--
INSERT INTO `parcels` (`id`, `reference_number`, `sender_name`, `sender_address`, `sender_contact`,
`recipient_name`, `recipient_address`, `recipient_contact`, `type`, `from_branch_id`, `to_branch_id`, `weight`,
`height`, `width`, `length`, `price`, `status`, `date_created`) VALUES
(1, '201406231415', 'John Smith', 'Sample', '+123456', 'Claire Blake', 'Sample', 'Sample', 1, '1', '0', '30kg',
'12in', '12in', '15in', 2500, 7, '2020-11-26 16:15:46'),
(2, '117967400213', 'John Smith', 'Sample', '+123456', 'Claire Blake', 'Sample', 'Sample', 2, '1', '3', '30kg',
'12in', '12in', '15in', 2500, 1, '2020-11-26 16:46:03'),
(3, '983186540795', 'John Smith', 'Sample', '+123456', 'Claire Blake', 'Sample', 'Sample', 2, '1', '3', '20Kg',
'10in', '10in', '10in', 1500, 2, '2020-11-26 16:46:03'),
(4, '514912669061', 'Claire Blake', 'Sample', '+123456', 'John Smith', 'Sample Address', '+12345', 2, '4', '1',
'23kg', '12in', '12in', '15in', 1900, 0, '2020-11-27 13:52:14'),
(5, '897856905844', 'Claire Blake', 'Sample', '+123456', 'John Smith', 'Sample Address', '+12345', 2, '4', '1',
'30kg', '10in', '10in', '10in', 1450, 0, '2020-11-27 13:52:14'),
(6, '505604168988', 'John Smith', 'Sample', '+123456', 'Sample', 'Sample', '+12345', 1, '1', '0', '23kg',
'12in', '12in', '15in', 2500, 1, '2020-11-27 14:06:42');
-----
--
-- Table structure for table `parcel_tracks`
--
CREATE TABLE `parcel_tracks` (
  `id` int(30) NOT NULL,
  `parcel_id` int(30) NOT NULL,
  `status` int(2) NOT NULL,
  `date_created` datetime NOT NULL DEFAULT current_timestamp()
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
--
-- Dumping data for table `parcel_tracks`
--
INSERT INTO `parcel_tracks` (`id`, `parcel_id`, `status`, `date_created`) VALUES
(1, 2, 1, '2020-11-27 09:53:27'),
(2, 3, 1, '2020-11-27 09:55:17'),
(3, 1, 1, '2020-11-27 10:28:01'),
(4, 1, 2, '2020-11-27 10:28:10'),
(5, 1, 3, '2020-11-27 10:28:16'),
(6, 1, 4, '2020-11-27 11:05:03'),
(7, 1, 5, '2020-11-27 11:05:17'),
(8, 1, 7, '2020-11-27 11:05:26'),
(9, 3, 2, '2020-11-27 11:05:41'),
(10, 6, 1, '2020-11-27 14:06:57');
-----
--
-- Table structure for table `system_settings`
--
CREATE TABLE `system_settings` (
  `id` int(30) NOT NULL,
  `name` text NOT NULL,
  `email` varchar(200) NOT NULL,
  `contact` varchar(20) NOT NULL,
  `address` text NOT NULL,
  `cover_img` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

```

```

--
-- Dumping data for table `system_settings`
--
INSERT INTO `system_settings` (`id`, `name`, `email`, `contact`, `address`, `cover_img`) VALUES
(1, 'Courier Management System', 'info@sample.comm', '+6948 8542 623', '2102 Caldwell Road,
Rochester, New York, 14608', '');
-----
--
-- Table structure for table `users`
--

CREATE TABLE `users` (
  `id` int(30) NOT NULL,
  `firstname` varchar(200) NOT NULL,
  `lastname` varchar(200) NOT NULL,
  `email` varchar(200) NOT NULL,
  `password` text NOT NULL,
  `type` tinyint(1) NOT NULL DEFAULT 2 COMMENT '1 = admin, 2 = staff',
  `branch_id` int(30) NOT NULL,
  `date_created` datetime NOT NULL DEFAULT current_timestamp()
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
--
-- Dumping data for table `users`
--
INSERT INTO `users` (`id`, `firstname`, `lastname`, `email`, `password`, `type`, `branch_id`,
`date_created`) VALUES
(1, 'Administrator', '', 'admin@admin.com', '0192023a7bbd73250516f069df18b500', 1, 0, '2020-11-26
10:57:04'),
(2, 'John', 'Smith', 'jsmith@sample.com', '1254737c076cf867dc53d60a0364f38e', 2, 1, '2020-11-26
11:52:04'),
(3, 'George', 'Wilson', 'gwilson@sample.com', 'd40242fb23c45206fadee4e2418f274f', 2, 4, '2020-11-27
13:32:12');
--
-- Indexes for dumped tables
--
--
-- Indexes for table `branches`
--
ALTER TABLE `branches`
  ADD PRIMARY KEY (`id`);
--
-- Indexes for table `parcels`
--
ALTER TABLE `parcels`
  ADD PRIMARY KEY (`id`);
--
-- Indexes for table `parcel_tracks`
--
ALTER TABLE `parcel_tracks`
  ADD PRIMARY KEY (`id`);
--
-- Indexes for table `system_settings`

```



```

--
ALTER TABLE `system_settings`
  ADD PRIMARY KEY (`id`);
--
-- Indexes for table `users`
--
ALTER TABLE `users`
  ADD PRIMARY KEY (`id`);

--
-- AUTO_INCREMENT for dumped tables
--
--
-- AUTO_INCREMENT for table `branches`
--
ALTER TABLE `branches`
  MODIFY `id` int(30) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;
--
-- AUTO_INCREMENT for table `parcels`
--
ALTER TABLE `parcels`
  MODIFY `id` int(30) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=7;
--
-- AUTO_INCREMENT for table `parcel_tracks`
--
ALTER TABLE `parcel_tracks`
  MODIFY `id` int(30) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=11;
--
-- AUTO_INCREMENT for table `system_settings`
--
ALTER TABLE `system_settings`
  MODIFY `id` int(30) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=2;
--
-- AUTO_INCREMENT for table `users`
--
ALTER TABLE `users`
  MODIFY `id` int(30) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=4;
COMMIT;
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;

```

2) db_connect.php

```

<?php
$conn= new mysqli('localhost','root','','cms_db')or die("Could not connect to
mysql".mysqli_error($con));

```

4.2 GUI Implementation

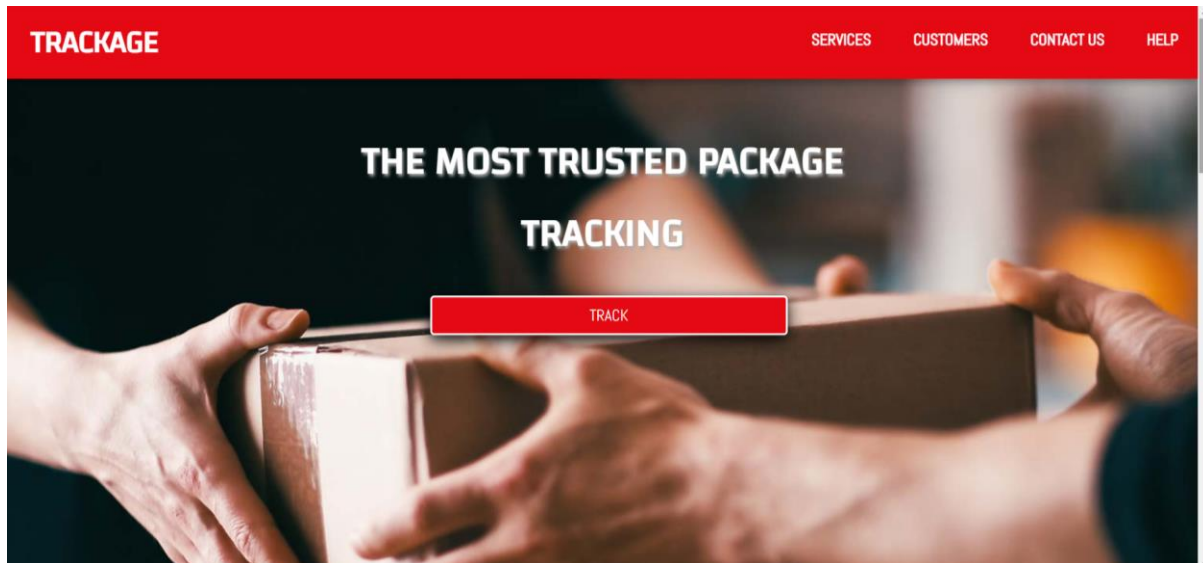


Fig 1. Website

Track

The image shows the 'Track' page of the website. It features a search bar with the placeholder text 'Enter Tracking Number' and the number '421258206455' entered. A blue search icon is on the right of the bar. Below the search bar is a vertical timeline of tracking events, each with a red location pin icon, a description, and a timestamp.

Event	Timestamp
Item accepted by Courier	Jun 18, 2021 12:13 PM
Collected	Jun 18, 2021 12:14 PM
Arrived At Destination	Jun 18, 2021 12:15 PM

Fig 2. Track

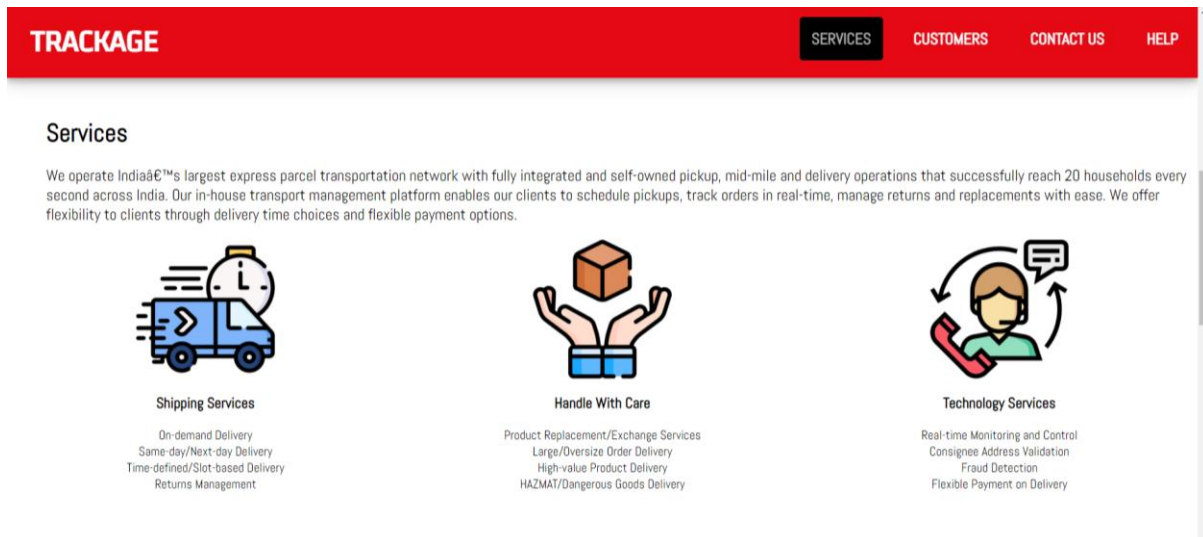


Fig 3. Services

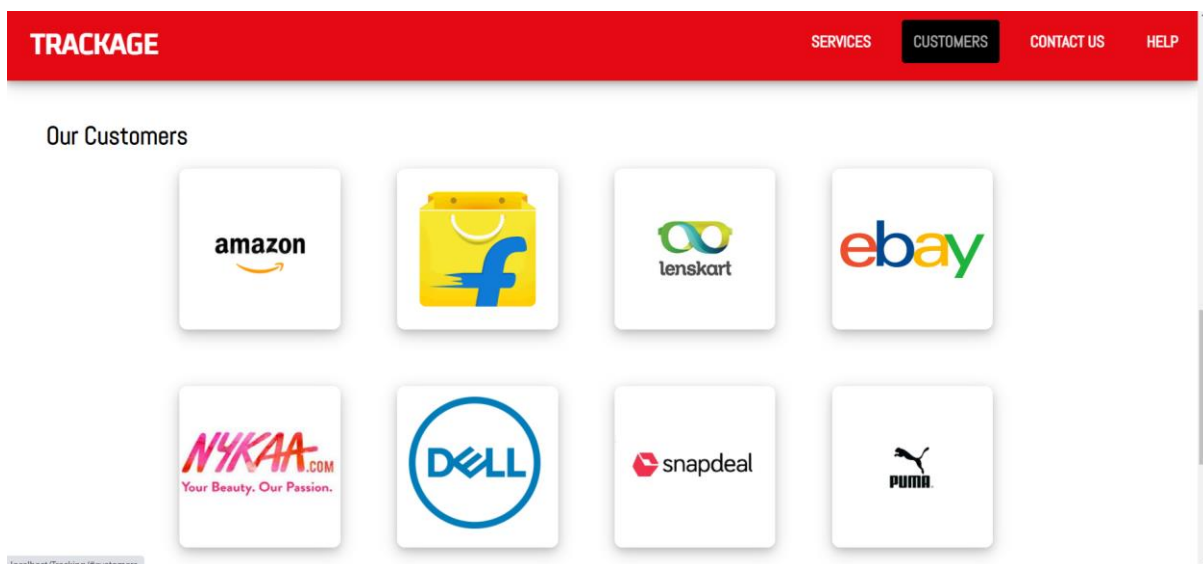
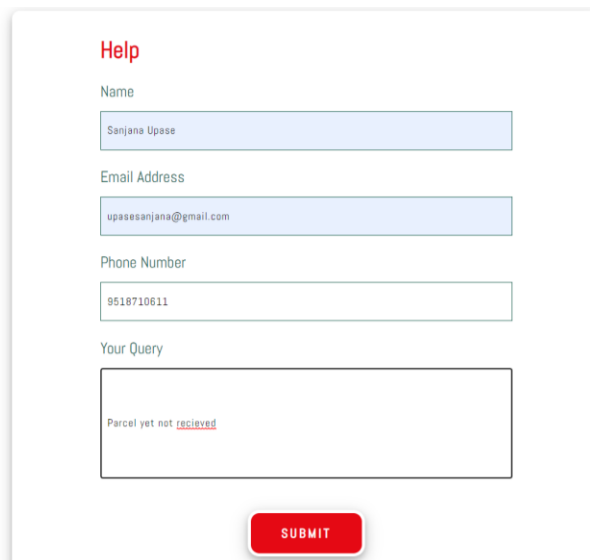


Fig 4. Customers



A screenshot of a web form titled "Help" in red text. The form contains four input fields: "Name" with the value "Sanjana Upase", "Email Address" with the value "upasesanjana@gmail.com", "Phone Number" with the value "9518710611", and "Your Query" with the text "Parcel yet not recieved". Below the fields is a red "SUBMIT" button.

Help

Name
Sanjana Upase

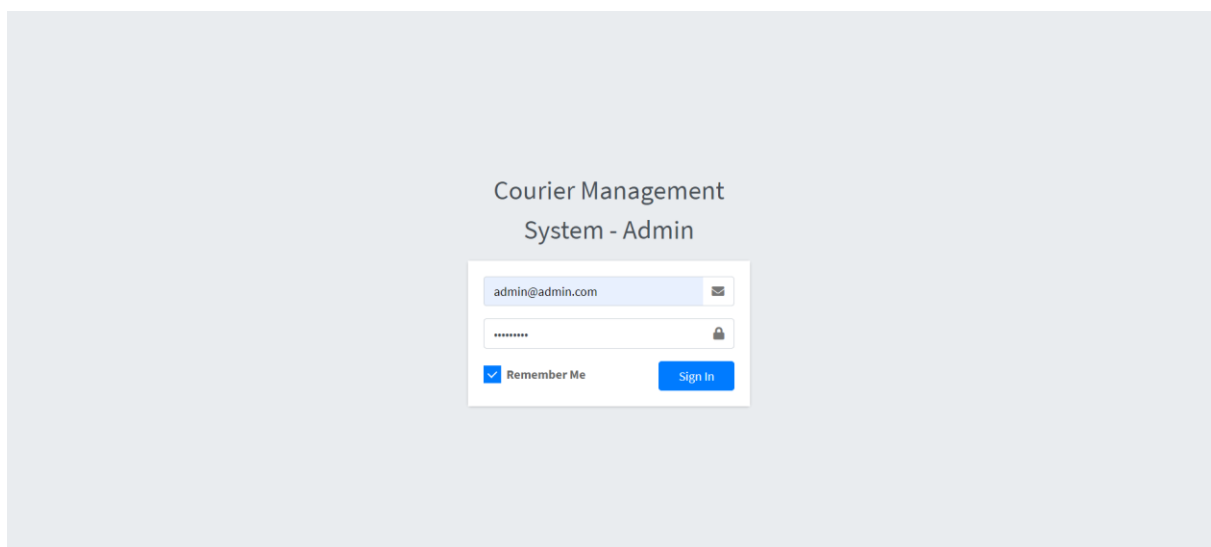
Email Address
upasesanjana@gmail.com

Phone Number
9518710611

Your Query
Parcel yet not recieved

SUBMIT

Fig 5. Help



A screenshot of an admin login form titled "Courier Management System - Admin". The form includes an email input field with "admin@admin.com", a password input field with masked characters, a "Remember Me" checkbox that is checked, and a blue "Sign in" button.

Courier Management
System - Admin

admin@admin.com

☒ Remember Me

Sign in

Fig 6. Admin login

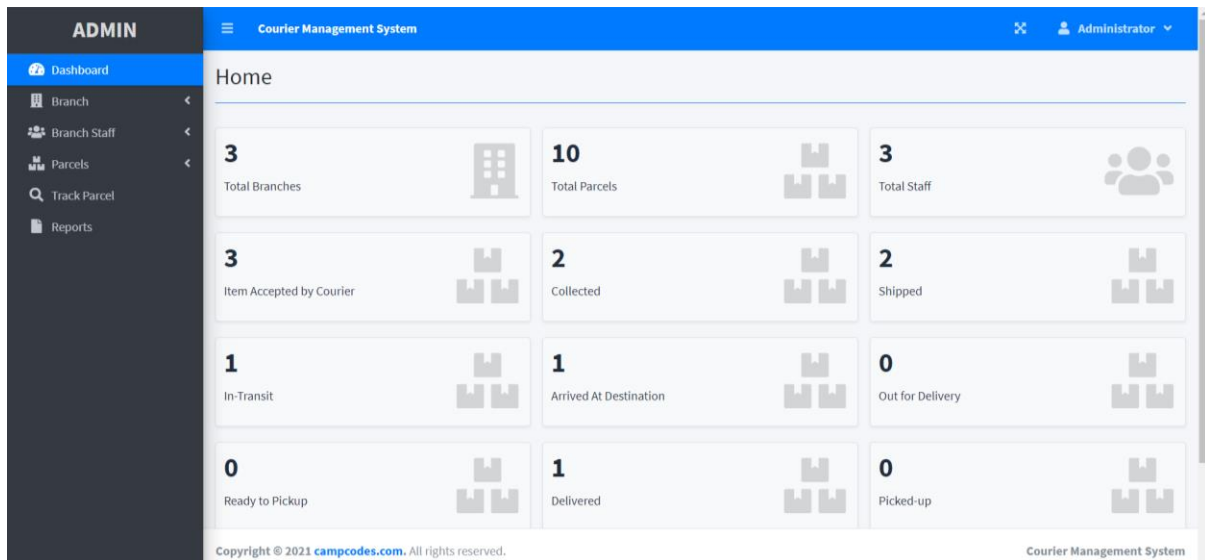


Fig 6. Admin Panel Dashboard

ADMIN Courier Management System Administrator

New Parcel

Sender Information

Name

Address

Contact #

Recipient Information

Name

Address

Contact #

Type Pickup Deliver = Deliver to Recipient Address, Pickup = Pickup to nearest Branch

Branch Processed

Pickup Branch

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Weight	Height	Length	Width	Price	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="X"/>
				Total	0.00

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Fig 7. Add New Parcel

Parcel List

Show 10 entries Search:

#	Reference Number	Sender Name	Recipient Name	Status	Action
1	204403699326	Samiksha	Sakshi	In Transit	
2	744439048779	Samiksha	Sakshi	Item Accepted by Courier	
3	803422766006	Blake	Taylor	Shipped	
4	421258206455	Sanjana	Virat	Arrived At Destination	
5	505604168988	John Smith	Sample	Collected	

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Fig. 8 List All Parcel

4.3 Code Details

1) logout.php

```
<!DOCTYPE html>
<html lang="en">
<?php
session_start();
include('./db_connect.php');
ob_start();
// if(!isset($_SESSION['system']))
$system = $conn->query("SELECT * FROM system_settings")->fetch_array();
foreach($system as $k => $v){
$_SESSION['system'][$k] = $v;
}
// }
ob_end_flush();
?>
<?php
if(isset($_SESSION['login_id']))
header("location:index.php?page=home");
?>
<?php include 'header.php' ?>
<body class="hold-transition login-page">
<div class="login-box">
<div class="login-logo">
<a href="#"><b><?php echo $_SESSION['system']['name'] ?> - Admin</b></a>
</div>
<!-- /.login-logo -->
<div class="card">
<div class="card-body login-card-body">
<form action="" id="login-form">
```

```

<div class="input-group mb-3">
  <input type="email" class="form-control" name="email" required placeholder="Email">
  <div class="input-group-append">
    <div class="input-group-text">
      <span class="fas fa-envelope"></span>
    </div></div></div>
  <div class="input-group mb-3">
    <input type="password" class="form-control" name="password" required placeholder="Password">
    <div class="input-group-append">
      <div class="input-group-text">
        <span class="fas fa-lock"></span>
      </div></div></div>
  <div class="row">
    <div class="col-8">
      <div class="icheck-primary">
        <input type="checkbox" id="remember">
        <label for="remember">
          Remember Me
        </label>
      </div>
    </div>
    <!-- /.col -->
    <div class="col-4">
      <button type="submit" class="btn btn-primary btn-block">Sign In</button>
    </div>
    <!-- /.col -->
  </div>
</form>
</div>
<!-- /.login-card-body -->
</div>
</div>
<!-- /.login-box -->
<script>
$(document).ready(function(){
  $('#login-form').submit(function(e){
    e.preventDefault()
    start_load()
    if($(this).find('.alert-danger').length > 0 )
      $(this).find('.alert-danger').remove();
    $.ajax({
      url:'ajax.php?action=login',
      method:'POST',
      data:$(this).serialize(),
      error:err=>{
        console.log(err)
      },
      end_load();
    },
    success:function(resp){
      if(resp == 1){
        location.href ='index.php?page=home';
      }else{

```

```

$('#login-form').prepend('<div class="alert alert-danger">Username or password is incorrect.</div>')
end_load();
}
}
})
})
})
</script>
<?php include 'footer.php' ?>
</body>
</html>

```

2) home.php

```

<?php include('db_connect.php') ?>
<?php
$twwhere = "";
if($_SESSION['login_type'] != 1)
$twwhere = " ";
?>
<!-- Info boxes -->
<?php if($_SESSION['login_type'] == 1): ?>
<div class="row">
<div class="col-12 col-sm-6 col-md-4">
<div class="small-box bg-light shadow-sm border">
<div class="inner">
<h3><?php echo $conn->query("SELECT * FROM branches")->num_rows; ?></h3>
<p>Total Branches</p>
</div>
<div class="icon">
<i class="fa fa-building"></i>
</div>
</div>
</div>
<div class="col-12 col-sm-6 col-md-4">
<div class="small-box bg-light shadow-sm border">
<div class="inner">
<h3><?php echo $conn->query("SELECT * FROM parcels")->num_rows; ?></h3>
<p>Total Parcels</p>
</div>
<div class="icon">
<i class="fa fa-boxes"></i>
</div>
</div>
</div>
<div class="col-12 col-sm-6 col-md-4">
<div class="small-box bg-light shadow-sm border">
<div class="inner">
<h3><?php echo $conn->query("SELECT * FROM users where type != 1")->num_rows; ?></h3>
<p>Total Staff</p>
</div>

```



```

<div class="icon">
<i class="fa fa-users"></i>
</div>
</div>
</div>
<hr>
<?php
$status_arr = array("Item Accepted by Courier","Collected","Shipped","In-Transit","Arrived At
Destination","Out for Delivery","Ready to Pickup","Delivered","Picked-up","Unsuccessfull Delivery Attempt");
foreach($status_arr as $k=>$v):
?>
<div class="col-12 col-sm-6 col-md-4">
<div class="small-box bg-light shadow-sm border">
<div class="inner">
<h3><?php echo $conn->query("SELECT * FROM parcels where status = {$k} ")->num_rows; ?></h3>
<p><?php echo $v ?></p>
</div>
<div class="icon">
<i class="fa fa-boxes"></i>
</div>
</div>
</div>
<?php endforeach; ?>
</div>
<?php else: ?>
<div class="col-12">
<div class="card">
<div class="card-body">
Welcome <?php echo $_SESSION['login_name'] ?>!
</div>
</div>
</div>
<?php endif; ?>

```

3) menu.php

```

<?php
require("lock.php");
?>
<html>
<head>
<script src="https://kit.fontawesome.com/a076d05399.js"></script>
<style>
body{
margin: 0;
padding: 0;
background-size: cover;
background-position: center;
font-family: sans-serif;
}
.heading {

```

```

font-family: sans-serif;
font-weight: bold;
font-size: 60px;
}
.menubox{display: flex;
justify-content: center;
margin: 10% 0;
width: 100%;
height: 200px;
color: #fff;
position: absolute;
}
.menubox p{
margin: 0.5px;
font-weight: bold;
font-family: sans-serif;
font-size: 19;
}
.btn
{
height: 170px;
width: 170px;
border-radius: 20px;
box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0 rgba(0, 0, 0, 0.19);
margin: 20px;
transition: width 0.4s, height 0.4s;
}
.btn i{
font-size: 60px;
}
.btn{
border: 4px solid #E50914;
color: #E50914;
background: #fff;
}
.btn::after{
background: #fff;
transition: 0.4s;
}
.btn:hover::after{
transform: scale(1.3);
opacity: 0;
}
.btn:hover
{
border: 4px solid #fff;
background: #E50914;
color: #fff;
width: 190px;
height: 190px;
transition: width 0.4s, height 0.4s;
}

```

```

.log{
margin-right:20px;
height:50px;
width:100px;
border-radius: 5px;
box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0 rgba(0, 0, 0, 0.19);
float:right;
background:#E50914;
color:#fff;
font-family:sans-serif;
font-size:18px;
}
</style>
</head>
<body>
<form method="POST">
<div class="menubox">
<button name="staff" value="Staff" class="btn" type="submit"><i class='fas fa-
users'></i><br/><p>Staff</p></button>
<button name="package" value="Package" class="btn" type="submit" ><i class='fas fa-box-
open'></i><br/><p>Package</p></button>
<button name="search" value="Search Parcel" class="btn" type="submit" ><i class='fa fa-
search'></i><br/><p>Search Parcel</p></button>
</div>
<button name="logout" type="submit" class="log">Logout</button>
</form>
</body>
</html>
<?php
if(isset($_POST['staff']))
header('location:staff.php');
if(isset($_POST['package']))
header('location:package.php');
if(isset($_POST['search']))
header('location:searchp.php');
if(isset($_POST['logout']))
header('location:logout.php');
?>

```

4) package.php

```

<html>
<head>
<link href='https://fonts.googleapis.com/css?family=Abel' rel='stylesheet'>
<style>
.sidenav {
height: 100%;
width: 15%;
position: fixed;
z-index: 1;
top: 0;

```

```

left: 0;
background-color: #111;
overflow-x: hidden;
padding-top: 20px;
}
.sidenav button {
padding: 6px 8px 6px 16px;
text-decoration: none;
font-size: 18px;
font-family: 'Abel';
color: #818181;
display: block;
border-bottom: 1px solid #fff;
}
.menubtn{
border: 0;
background: black;
margin-left: 10px;
margin-right: 10px;
}
.menubtn::after{
color: white;
transition: 0.4s;
}
.menubtn:hover::after{
transform: scale(1.3);
opacity: 0;
}
.menubtn:hover
{
color: white;
transition: width 0.4s, height 0.4s;
}
.main {
margin-left: 15%; /* Same as the width of the sidenav */
font-size: 28px; /* Increased text to enable scrolling */
padding: 0px 10px;
}
</style>
</head>
<body>
<form method="POST">
<div class="sidenav">
<button type="submit" name="add" class="menubtn" >Add Package Details</button>
<button type="submit" name="view" class="menubtn">View Package Details</button>
</div>
<div class="main">
<?php
if(isset($_POST['add']))
include('addp.php');
if(isset($_POST['view']))
include('viewp.php');

```

```
?>
</div>
</form>
</body>
</html>
```

5) track.php

```
<?php include 'db_connect.php' ?>
<div class="col-lg-12">
<div class="card card-outline card-primary">
<div class="card-body">
<div class="d-flex w-100 px-1 py-2 justify-content-center align-items-center">
<label for="">Enter Tracking Number</label>
<div class="input-group col-sm-5">
<input type="search" id="ref_no" class="form-control form-control-sm" placeholder="Type the tracking
number here">
<div class="input-group-append">
<button type="button" id="track-btn" class="btn btn-sm btn-primary btn-gradient-primary">
<i class="fa fa-search"></i>
</button>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<div class="row">
<div class="col-md-8 offset-md-2">
<div class="timeline" id="parcel_history">
</div>
</div>
</div>
</div>
<div id="clone_timeline-item" class="d-none">
<div class="iitem">
<i class="fas fa-box bg-blue"></i>
<div class="timeline-item">
<span class="time"><i class="fas fa-clock"></i> <span class="dtime">12:05</span></span>
<div class="timeline-body">
asdasd
</div>
</div>
</div>
</div>
</div>
<script>
function track_now(){
start_load()
var tracking_num = $('#ref_no').val()
if(tracking_num == ""){
$('#parcel_history').html('')
end_load()
}
```

```

}else{
$.ajax({
url:'ajax.php?action=get_parcel_heistory',
method:'POST',
data:{ref_no:tracking_num},
error:err=>{
console.log(err)
alert_toast("An error occured",'error')
end_load()
},
success:function(resp){
if(typeof resp === 'object' || Array.isArray(resp) || typeof JSON.parse(resp) === 'object'){
resp = JSON.parse(resp)
if(Object.keys(resp).length > 0){
$('#parcel_history').html('')
Object.keys(resp).map(function(k){
var tl = $('#clone_timeline-item .iitem').clone()
tl.find('.dtime').text(resp[k].date_created)
tl.find('.timeline-body').text(resp[k].status)
$('#parcel_history').append(tl)
})
}
}else if(resp == 2){
alert_toast('Unkown Tracking Number.', "error")
}
}
,complete:function(){
end_load()
}
})
}
}
$('#track-btn').click(function(){
track_now()
})
$('#ref_no').on('search',function(){
track_now()
})
</script>

```

6) search.php

```

<html>
<head>
<link href='https://fonts.googleapis.com/css?family=Abel' rel='stylesheet'>
<style>
.display{
background:red;
width:40%;
height:60%;
margin-left:20%;

```

```

    box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0 rgba(0, 0, 0, 0.19);    width:55%;
}
.txt{
font-size: 20px;
font-family:'Abel';
border-radius: 5px;
border:3px solid #E50914;
width:50%;
height:8%;
}
.sbtn{ height:8%;
width:100px;
font-size: 20px;
border-radius:5px;
background:#E50914;
font-family:'Abel';
color:white;
}
h3{
font-family:'Abel';}
</style>
</head>
<body>
<form method="POST">
<div name="search" >
<input type="text" name="pid" placeholder="Parcel ID" class="txt">
<input type="submit" name="pbtn" class="sbtn" value="SEARCH"> </div>
<h3>Parcel Details</h3>
<?php
if(isset($_POST['pbtn']))
include('pkg.php');
?>
</form>
</body>
</html>

```

7) logout.php

```

<?php
session_start();
if(isset($_SESSION['login_user']))
{
unset($_SESSION['login_user']);
if(!isset($_SESSION['login_user']))
{
header("Location:adminlogin.php");
}
}
?>

```

5. PROJECT TESTING

TEST CASES

Sr.No	Test ID	Test Case Objective	Prerequisites	Steps	Input Data	Expected Result	Actual Result	Status
1	TC01	To Open The AdminPanel/admin Login of Courier Management System	Internet Connection Is Required	1.Open The Google Chrome 2.Start Xamppp admin Panel /Mysql 3.Enter the link on localhost	localhost/Tracking/admin panel/login.php	AdminPanel Login Page Should be displayed Successfully	AdminPanel Login Page Should be displayed Successfully	Pass
2	TC02	To Enter the Email Id In Field	Email Field Must Be Enabled	Enter the Email in EmailId Field	admin@admin.com	Valid Email	Valid Email	Pass
3	TC03	To Enter the Email Id In Field	Email Field Must Be Enabled	Enter the Email in EmailId Field	admin@admin.com	Invalid Email Id	Enter Correct Email/ You Entered Wrong Email /Invalid Email Entered /Email Field Must Contain @	Fail
4	TC04	To Enter the Password	Password Field Must Be Enabled	Enter Correct Password	admin123	Valid Password Should Be Entered	Password is Valid	Pass
5	TC05	To Enter the Password	Password Field Must Be Enabled	Enter Correct Password	11admin22	Valid Password Should Be Entered	Password Is Invalid / Password Should Be Start with Letter and contain Digits and Special Character	Fail

Sr.No	Test ID	Test Case Objective	Prerequisites	Steps	Input Data	Expected Result	Actual Result	Status
6	TC06	To check the Sign in Button	Sign in Button Should be Enabled	Enter On Sign in Button	Click (Sign In Button)	Admin Dashboard Should Be Opened	Admin Dashboard Should Be Displayed	Pass
7	TC07	To Add New Parcel	AdminPanel Must Be Enabled	1.Open Adminpanel Dashboard 2.Login 3.Click On Parcel Dropdown 4.Click On Add New Button	Click (Add New) button	New Parcel Form Should Be Displayed	New Parcel Form Displayed Successfully	Pass
8	TC08	To Check Enter Tracking Number Field	Home Page Should Be Opened	1.Open Home Page 2.Enter The Tracking Number In Field	17005893651	Tracking Number Is Correct	Correct Tracking Number	Pass
9	TC09	To Check Enter Tracking Number Field	Home Page Should Be Opened	1.Open Home Page 2.Enter The Tracking Number In Field	5y789356289	Tracking Number Is Correct	Enter Valid Tracking Number	Fail
10	TC10	To Check Track Button	Home Page Should Be Opened	1.Open Home Page 2.Enter The Tracking Number In Field	Click (Track Button)	Tracking Details Should Be Displayed	Tracking Details Should Be Displayed	Pass

Sr.No	Test ID	Test Case Objective	Prerequisites	Steps	Input Data	Expected Result	Actual Result	Status
11	TC11	To check List All Button	AdminPanel Must Be Opened	1.Open Adminpanel Dashboard 2.Click On Parcels DropDown	Click on List All Button	Lists Of All Parcels Should be Displayed	Lists Of All Parcels Should be Displayed	Pass
12	TC12	To check The Dilever /Pickup Type Button	AdminPanel Must Be Enabled	1.Open Adminpanel Dashboard 2.Login 3.Click On Parcel Dropdown 4.Click On Add New Button 5.New Parcel form Should be opened	Click On Type Button	Type Must Be Changed	Type Must Be Changed	Pass
13	TC13	To Check Add Staff	AdminPanel Must Be Enabled	1.Open Adminpanel Dashboard 2.Login	Click On Branch Staff Dropdown	Branch Staff Page Should Be Displayed	Branch Staff Page Should Be Displayed	Pass
14	TC14	To Check The Logout Button	AdminPanel Must Be Log in	1.Open Adminpanel Login	Click On Logout Button	Admin Should Be logout	Admin Should Be logout	Pass
15	TC15	To Check The Logout Button	AdminPanel Must Be Log in	1.Open Adminpanel Login	Click On Logout Button	Admin Should Be logout	Still Shows Login	Fail

6. 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 of 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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