VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"JNANA SANGAMA" BELAGAVI – 590 014

DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

A mini Project Report on

# "ONLINE COURIER MANAGEMENT"

## BY

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2022-2023

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**Accredited by NBA,NEW DELHI(valid till 2024)**

# CERTIFICATE

This is to certify that the DBMS Mini Project work entitled **“COURIER MANAGEMENT SYSTEM”** carried out by **Ms. Akshata.G.Kharad , USN [4GM20CS008]** and **Ms. Bhumika.S , USN [4GM20CS021],** bonafide student of GMIT, Davangere. The Mini Project work carried out as a part of curriculum for $5^{th}$ Semester course **Database Management Laboratory with Mini Project having subject code 18CSL58**,in department of Computer Science and Engineering,as per VTU,Belagavi for the academic year 2022-2023.It is certified that all the corrections and suggestions indicated for Internal assessment have been incorporated in the Report. The report prepared and project work carried out is satisfactory.

| | | |
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| **Name of the Examiner** | **Signature with Date** |
|---|---|
| **1.** ______________________ | 1. ________________________ |
| **2.** ______________________ | 2. ________________________ |

# ABSTRACT

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

# CONTENTS


| Sl. No. | CHAPTER NAME | PAGE NO. |
|---|---|---|
| 1 | INTRODUCTION | |
| | 1.1 Database Management System | 01 |
| | 1.2 Problem Statement | 01 |
| | 1.3 Objectives | 01 |
| 2 | SYSTEM DESIGN | |
| | 2.1 E-R Diagram | 02 |
| | 2.2 Schema Diagram | 03 |
| 3 | REQUIREMENTS | 05 |
| 4 | OUTCOMES | 06 |
| 5 | TABLES | |
| | 5.1 TABLE | 07 |
| 6 | DATABASE DESCRIPTION | |
| | 6.1 ADLOGIN | 08 |
| | 6.2 ADMIN | 08 |
| | 6.3 CONTACTS | 09 |
| | 6.4 COURIER | 09 |
| | 6.5 LOGIN | 10 |
| | 6.6 USERS | 10 |
| 7 | IMPLEMENTATION | |
| | 7.1 FRONT END | 11 |
| | 7.2 BACK END | 12 |
| | 7.3 SQL CODE IMPLEMENTATION | 13 |

| | | |
|---|---|---|
| **8** | **SNAPSHOTS** | |
| | **8.1 USER LOGIN PAGE** | **19** |
| | **8.2 HOME PAGE** | **20** |
| | **8.3 PRICING OF COURIER** | **20** |
| | **8.4 COURIER SENDING PAGE** | **21** |
| | **8.5 TRACK CONSIGNMENT PAGE** | **21** |
| | **8.6 CONTACT US SECTION** | **22** |
| | **8.7 REGISTER NEW USERS PAGE** | **22** |
| | **8.8 ADMIN LOGIN PAGE** | **23** |
| | **8.9 ADMIN PAGE** | **23** |
| | **8.10 ADMIN DELETE DATA PAGE** | **24** |
| | **8.11 USER DETAILS PAGE** | **24** |
| | **8.12 UPDATE COURIER DETAILS PAGE** | **25** |
| | **8.13 TRACK STATUS OF PARCEL** | **25** |
| | **8.14 PROFILE VIEW SECTION** | **26** |
| | **8.15 RESET PASSWORD PAGE** | **26** |
| **9** | **CONCLUSION** | **27** |
| **10** | **REFERENCES AND BIBLIOGRAPHY** | **28** |

# 1.INTRODUCTION

## 1.1 Database management system

A database management system (DBMS) refers to the technology for creating and managing databases. DBMS is a software tool to organize (create, retrieve, update and manage) data in a database. The main aim of a DBMS is to supply a way to store and retrievedatabase information that is both convenient and efficient.

Database systems are meant to handle large collections of information. Management of data involves both defining structures for the storage of information and providing mechanisms that can do the manipulation those stored information. Moreover, the database system must ensure the safety of the information stored, despite system crashes or attempts at unauthorizedaccess.

## 1.2 Problem statement:

The Falcon Online Courier System accepts all courier orders and offers the ability to track them. Users can register at any moment by giving the required basic information on the website.

## 1.3 Objectives

The objective of this online courier management system is to reduce the day-to-day hectic work by automating all the manual work of courier-related organizations into computer

based work.Falcon Courier management system aims at keeping the track of the couriers.

Additionally, information about regular courier senders, receivers, and transaction ids.and prices and items that are shipped via Falcon courier services are kept as well.

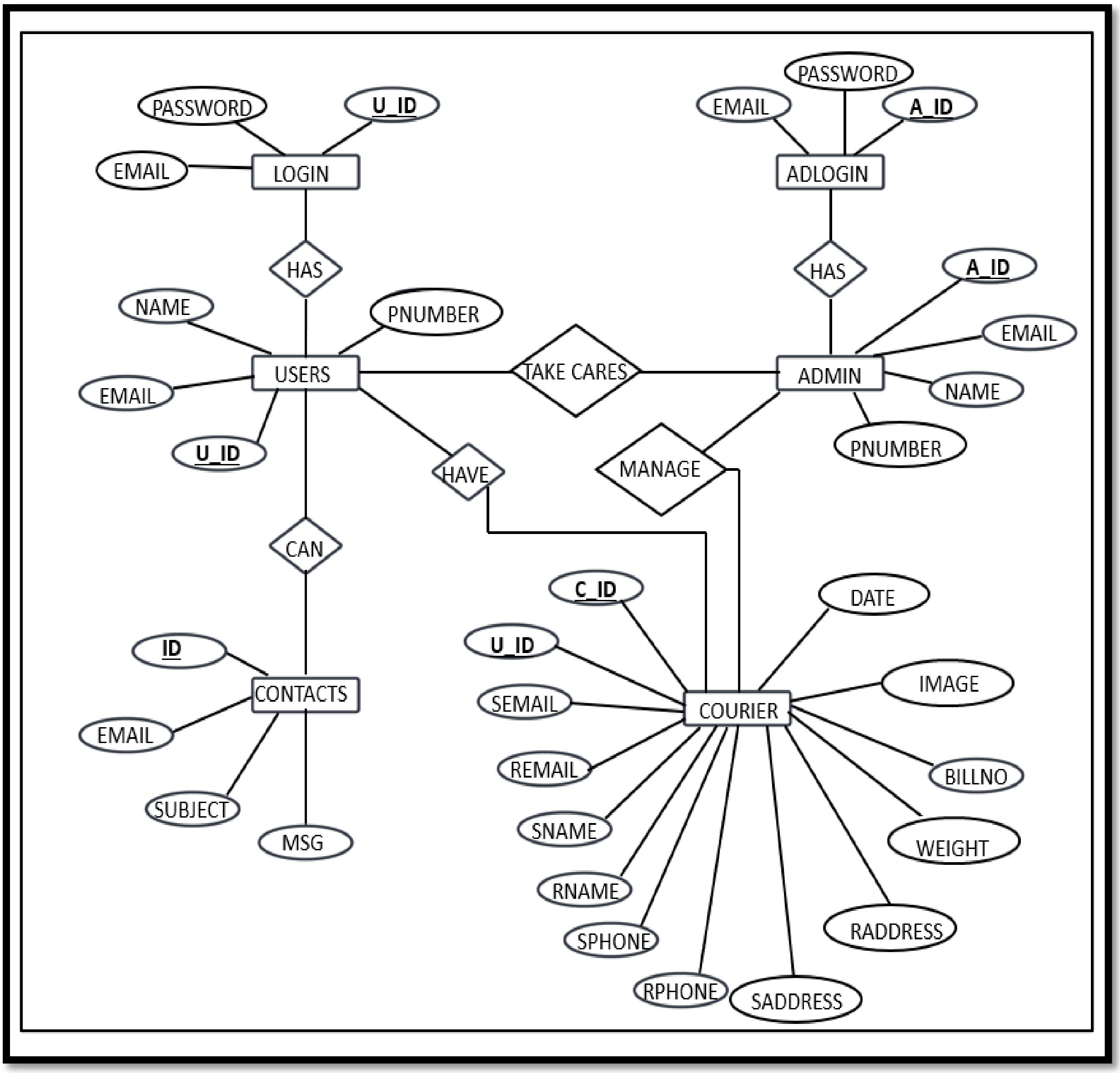
As a result, the labor requirements are met more effectively and with less manpower.

By automating all manual mail processing, this online courier management system aims to cut down on daily workload.

# 2. SYSTEM DESIGN

## 2.1 Entity Relationship Diagram

An **Entity–relationship model (ER model)** describes the structure of a database with the help of a diagram, which is known as **Entity Relationship Diagram (ER Diagram)**. An ER model is a design or blueprint of a database that can later be implemented as a database. The main components of E-R model are: entity set and relationship set.



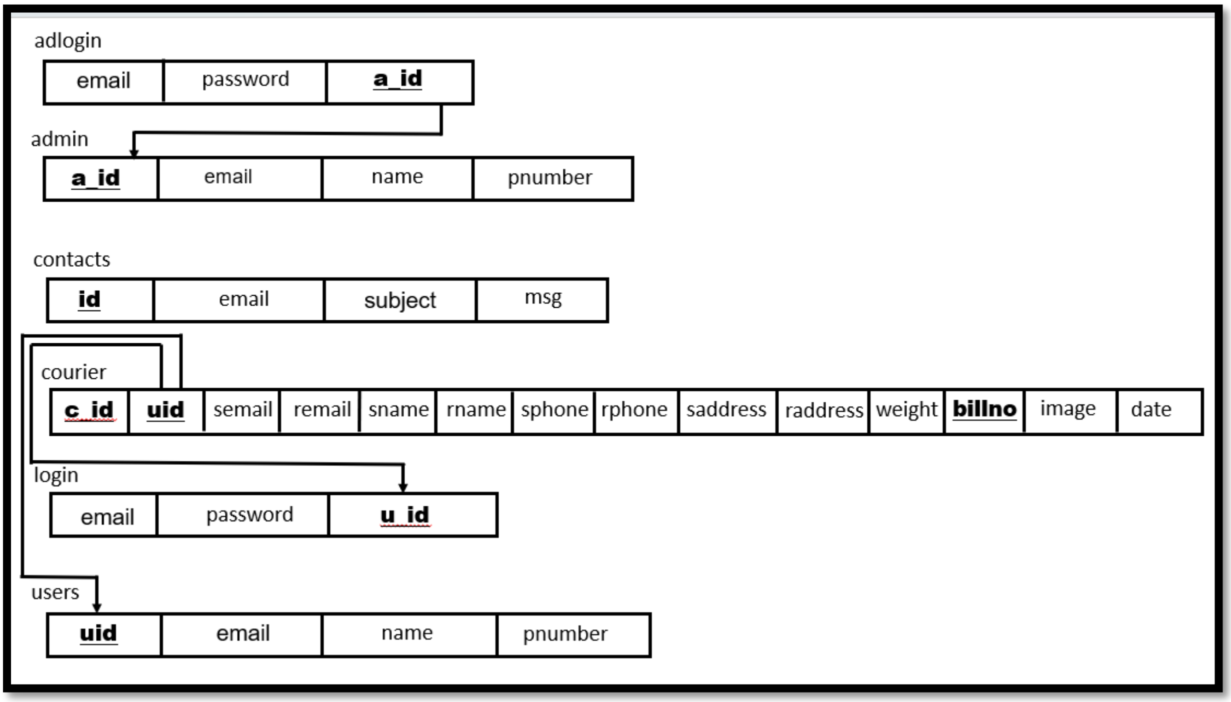
## 2.2 Entity Relationship Schema Diagram

A database schema is the skeleton structure that represents the logical view of the entire database. It defines how the data is organized and how the relations among them are associated. It formulates all the constraints that are to be applied on the data.

A database schema defines its entities and the relationship among them. It contains a descriptive detail of the database, which can be depicted by means of schema diagrams.

## Entity Relationship Schema Diagram for Falcon Online Courier System

# Schema Diagram



# 3. REQUIREMENTS

## 3.1 System Requirements:

## Software Requirement:

The software requirements for the development of this project is:

- Software: XAMPP
- Operating System: Windows 10 (and higher version)
- Front End: HTML, CSS, JavaScript
- Programming Language: PHP
- Data Base Environment: MySQL and PhpMyAdmin
- Server: APACHE

## 3.2 Hardware Requirements:

The hardware required for the development of this project is:

- Processor: Intel Core i5
- Processor speed:1.7 GHz
- Ram :2GB RAM
- System Type:64-Bit Operating System

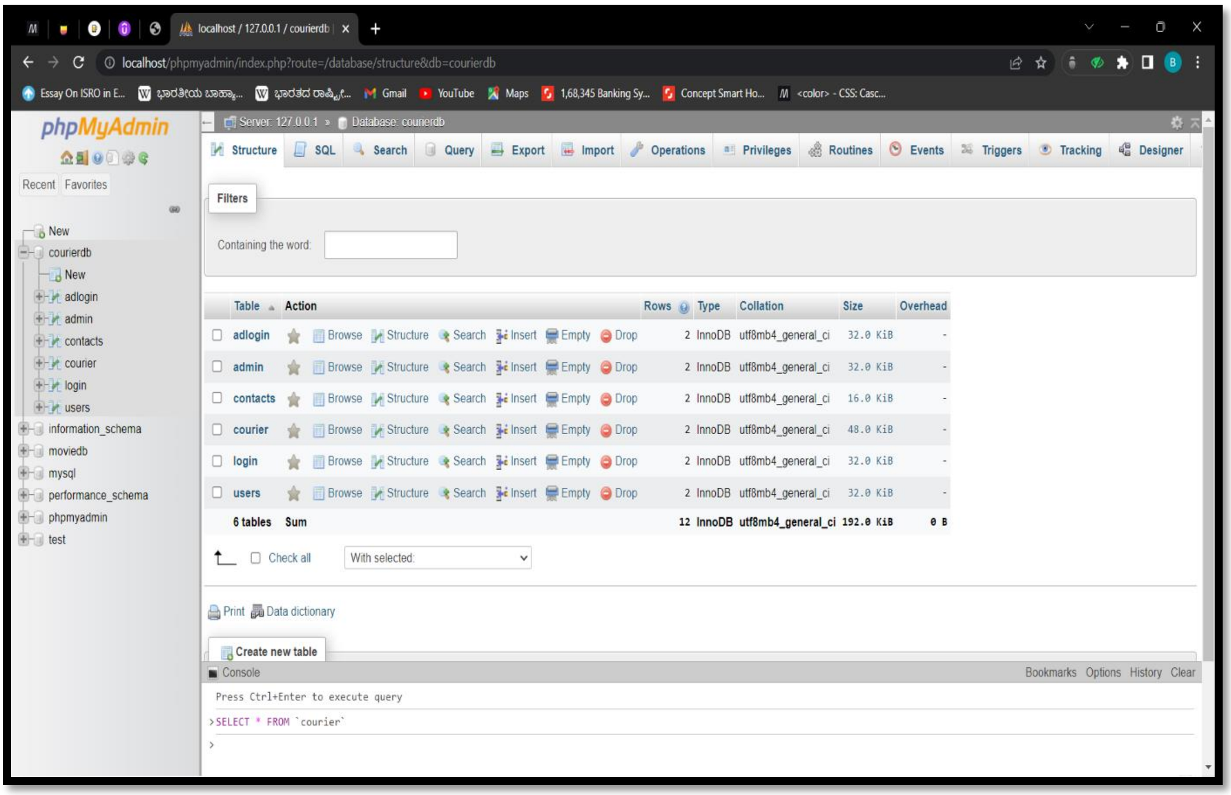
# 4. OUTCOMES

## 4.1 Outcomes of our system:

- The system will be put into web-based operation.
- The system can be altered to suit the needs of the user.
- The administrator has the ability to erase both user and website user data.
- The user can quickly register with us and utilise our online courier service for the quickest service.
- Users have the option of sending a courier to any chosen person or destination.
- Easy add/delete/update process of online courier service.

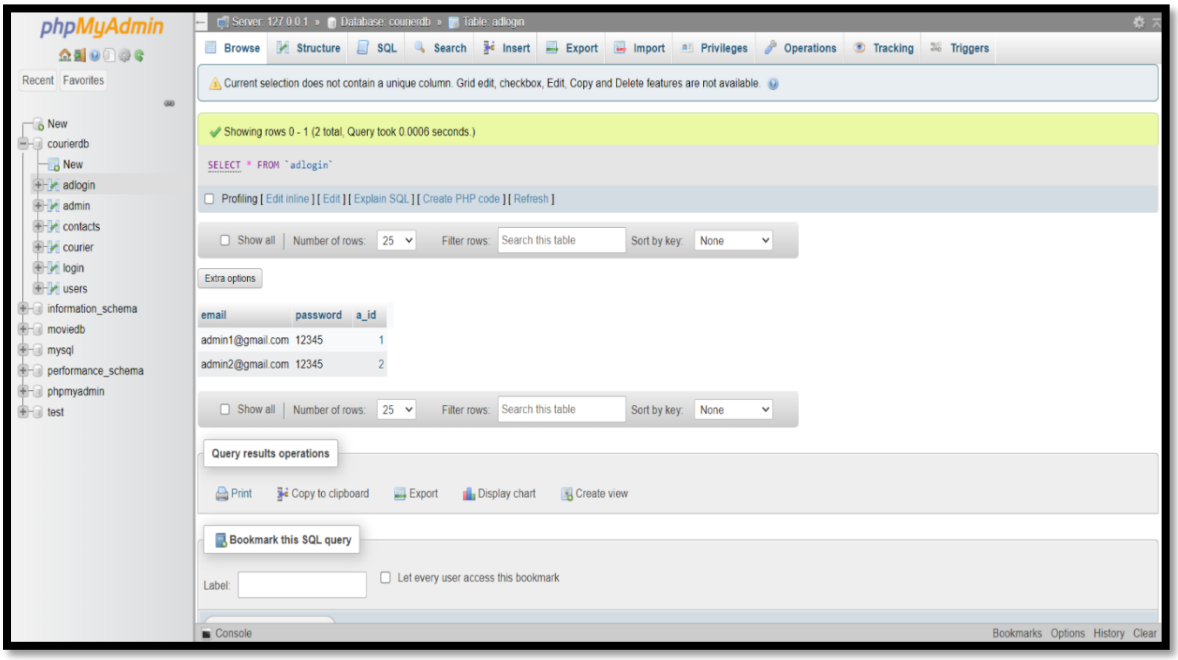
# 5. TABLES

## 5.1 Table:

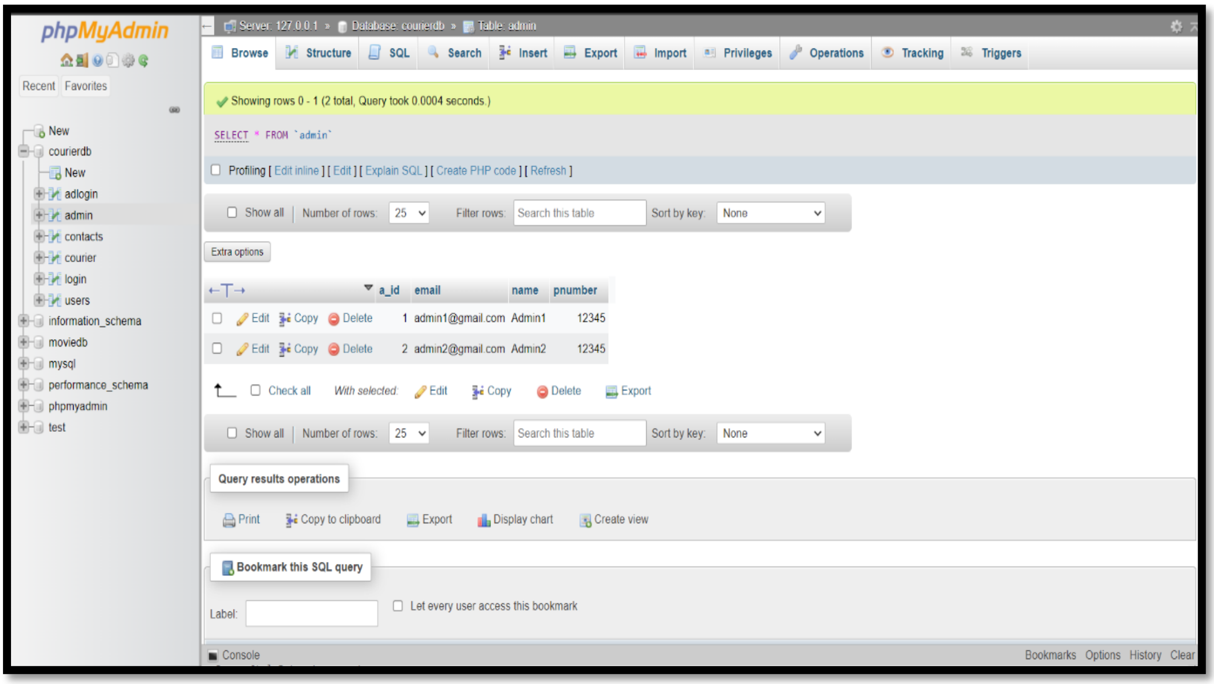


# 6. DATABASE DESCRIPTION

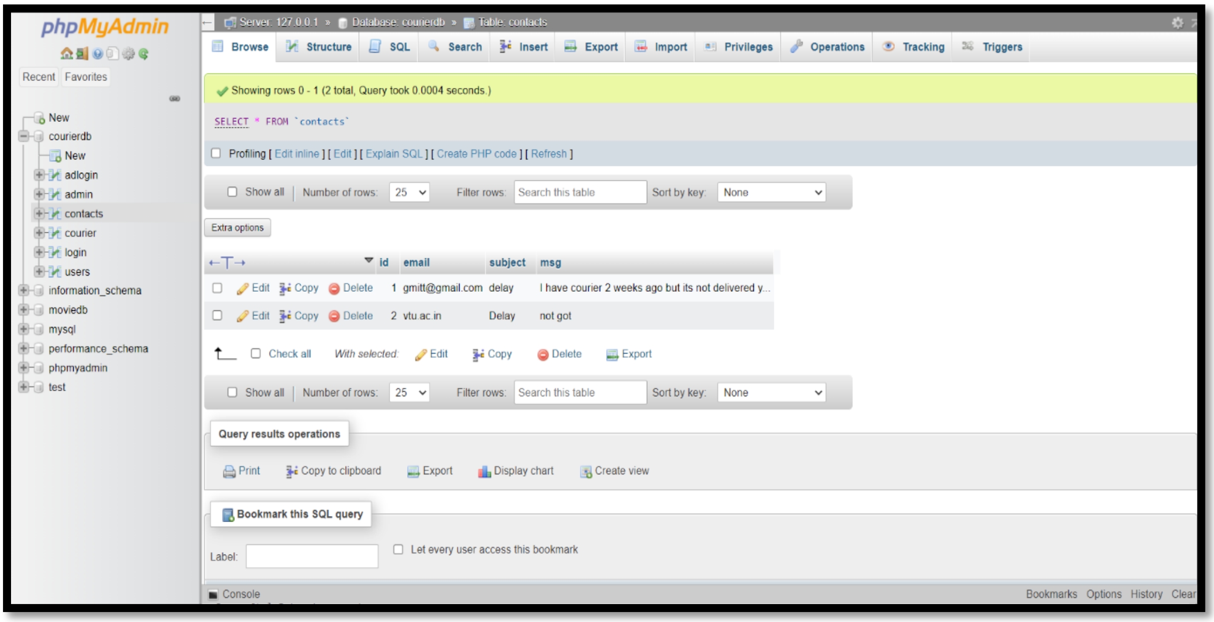
## 6.1 ADLOGIN:



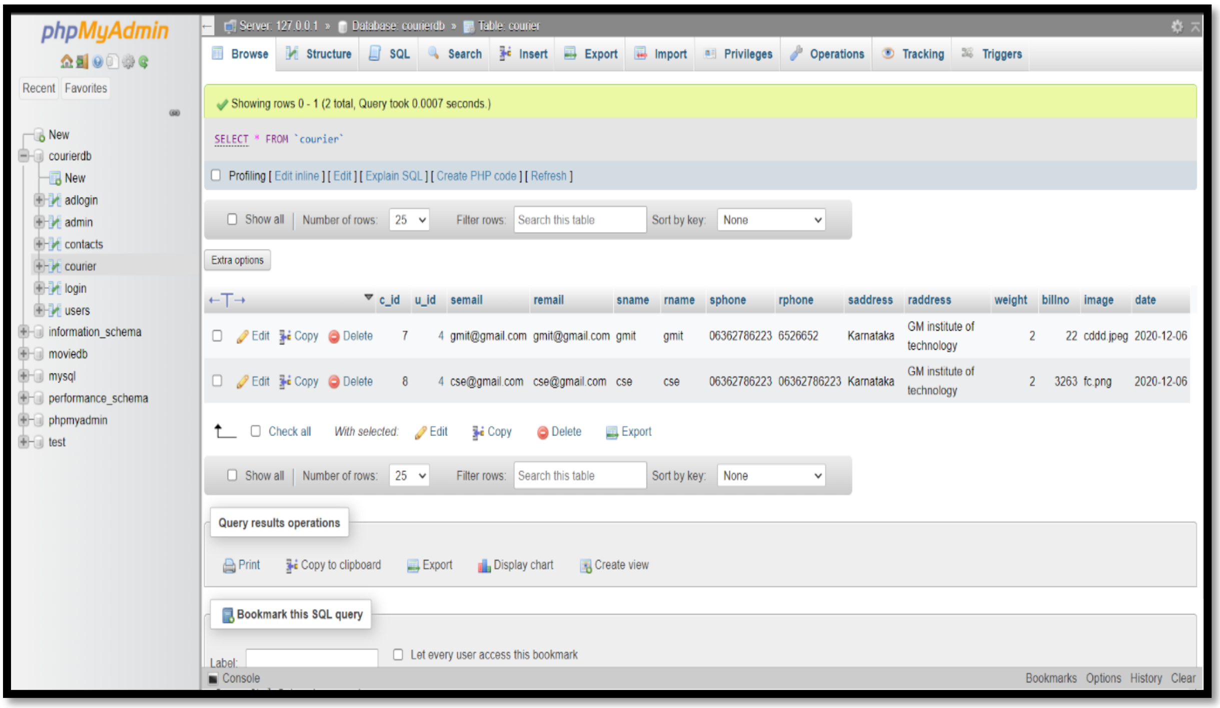
## 6.2 ADMIN:



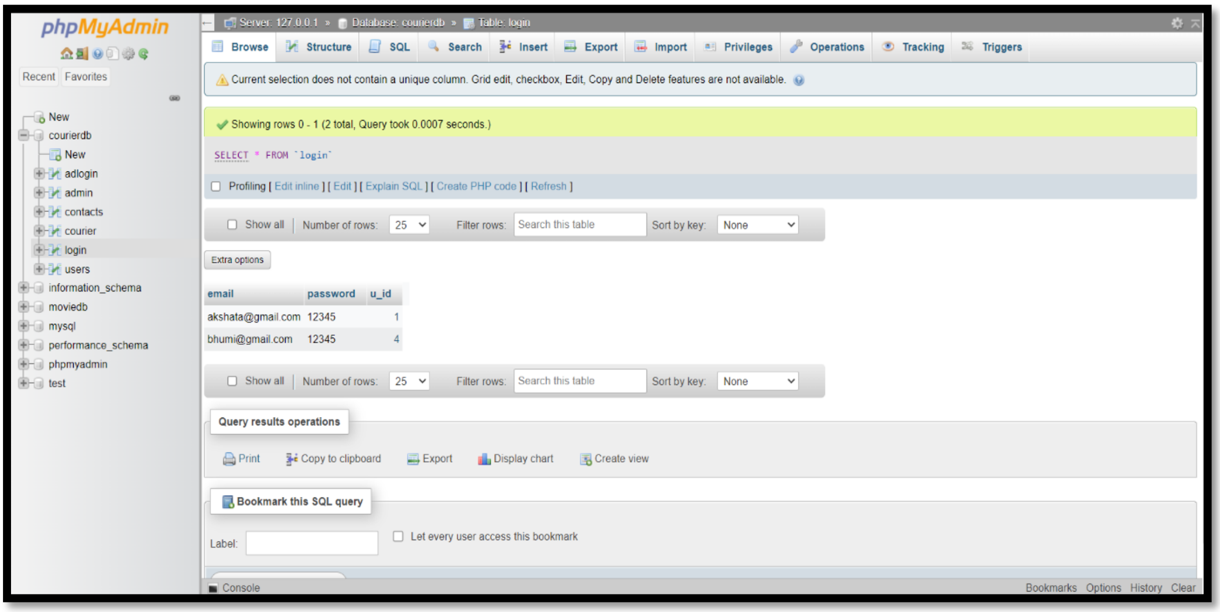
## 6.3 CONTACTS:



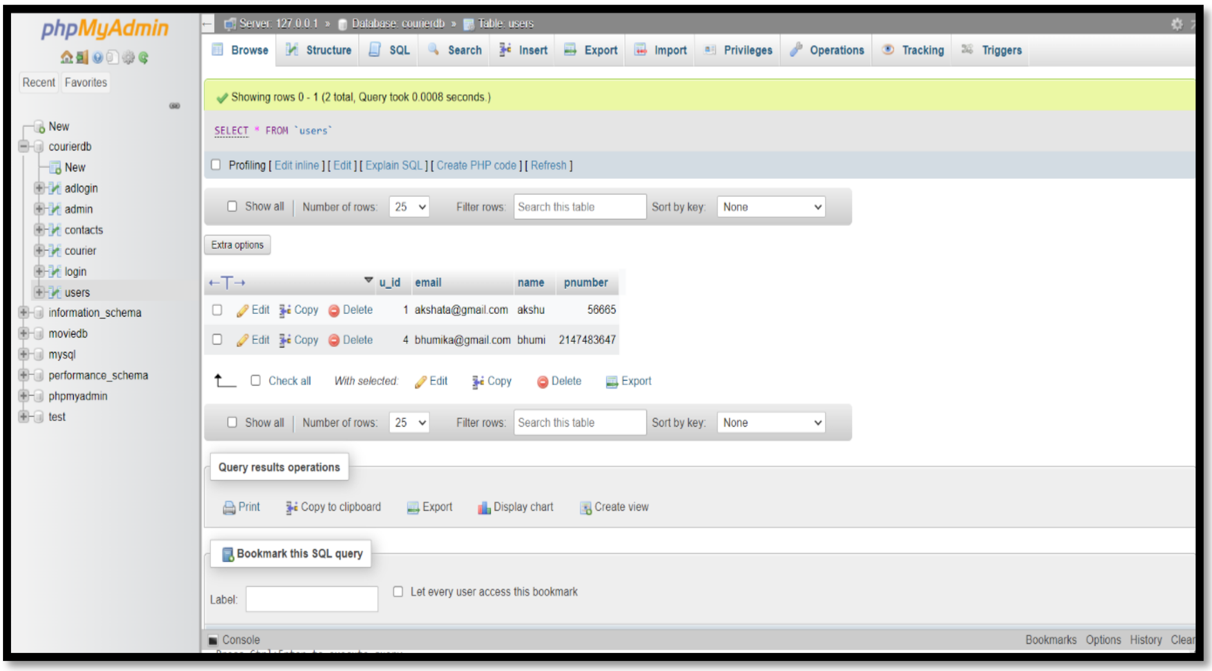

## 6.4 COURIER:



# 6.5 LOGIN:



# 6.6 USERS:



# 7. IMPLEMENTATION

## 7.1 FRONT END:

- **HTML:**

  HTML stands for Hyper Text Markup Language. It is used to design web pages using markup language. HTML is the combination of Hypertext and Markup language. Hypertext defines the link between the web pages. Markup language is used to define the text document within tag which defines the structure of web pages. HTML 5 is the fifth and current version of HTML. It has improved the markup available for documents and has introduced application programming interfaces(API) and Document Object Model(DOM)

- **CSS:**

  Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language like HTML.CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts.

- **JAVASCRIPT:**

  JavaScript s a high-level, interpreted scripting language that conforms to the ECMAScript specification. JavaScript has curly-bracket syntax, dynamic typing, prototype-based object orientation, and first-class functions. Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web. JavaScript enables interactive web pages and is an essential part of web applications.

# 7.2 BACK END:

- **PHP:**

  The term PHP is an acronym for PHP: Hypertext Pre-processor. PHP is a server-side scripting language designed specifically for web development. PHP can be easily embedded in HTML files and HTML codes can also be written in a PHP file. The thing that differentiates PHP with client-side language like HTML is, PHP codes are executed on the server whereas HTML codes are directly rendered on the browser.

- **MYSQL:**

  MySQL is an opensource relational database management system (RDBMS) based on Structured Query Language (SQL). It is one part of the very popular LAMP platform consisting of Linux, Apache, My SQL, and PHP. Currently My SQL is owned by Oracle.

## 7.3 SQL CODE IMPLEMENTATION:

```
-- phpMyAdmin SQL Dump
-- version 5.2.0
-- https://www.phpmyadmin.net/
--
-- Host: 127.0.0.1
-- Generation Time: Jan 20, 2023 at 02:59 PM
-- Server version: 10.4.25-MariaDB
-- PHP Version: 8.1.10

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: `courierdb`
--

-- --------------------------------------------------------

--
-- Table structure for table `adlogin`
--

CREATE TABLE `adlogin` (
  `email` varchar(50) DEFAULT NULL,
  `password` varchar(50) DEFAULT NULL,
  `a_id` int(11) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `adlogin`
--
```

```
INSERT INTO `adlogin` (`email`, `password`, `a_id`) VALUES
('admin1@gmail.com', '12345', 1),
('admin2@gmail.com', '12345', 2);

-- --------------------------------------------------------

--
-- Table structure for table `admin`
--

CREATE TABLE `admin` (
  `a_id` int(11) NOT NULL,
  `email` varchar(50) NOT NULL,
  `name` varchar(50) DEFAULT NULL,
  `pnumber` int(14) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `admin`
--

INSERT INTO `admin` (`a_id`, `email`, `name`, `pnumber`) VALUES
(1, 'admin1@gmail.com', 'Admin1', 12345),
(2, 'admin2@gmail.com', 'Admin2', 12345);

-- --------------------------------------------------------

--
-- Table structure for table `contacts`
--

CREATE TABLE `contacts` (
  `id` int(11) NOT NULL,
  `email` varchar(50) NOT NULL,
  `subject` varchar(30) NOT NULL,
  `msg` varchar(300) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `contacts`
--
INSERT INTO `contacts` (`id`, `email`, `subject`, `msg`) VALUES
(1, 'gmitt@gmail.com', 'delay', 'I have courier 2 weeks ago but its not delivered yet..'),
(2, 'vtu.ac.in', 'Delay', 'not got');
```

```
-- --------------------------------------------------------

--
-- Table structure for table `courier`
--

CREATE TABLE `courier` (
  `c_id` int(11) NOT NULL,
  `u_id` int(11) DEFAULT NULL,
 `semail` varchar(50) DEFAULT NULL,
  `remail` varchar(50) DEFAULT NULL,
  `sname` varchar(50) DEFAULT NULL,
  `rname` varchar(50) DEFAULT NULL,
  `sphone` varchar(20) DEFAULT NULL,
  `rphone` varchar(20) DEFAULT NULL,
  `saddress` varchar(50) DEFAULT NULL,
  `raddress` varchar(50) DEFAULT NULL,
  `weight` int(11) DEFAULT NULL,
  `billno` int(11) NOT NULL,
  `image` text DEFAULT NULL,
  `date` date NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `courier`
--

INSERT INTO `courier` (`c_id`, `u_id`, `semail`, `remail`, `sname`, `rname`, `sphone`,
`rphone`, `saddress`, `raddress`, `weight`, `billno`, `image`, `date`) VALUES
(7, 4, 'gmit@gmail.com', 'gmit@gmail.com', 'gmit', 'gmit', '06362786223', '6526652',
'Karnataka', 'GM institute of technology', 2, 22, 'files.jpg', '2020-12-06'),
(8, 4, 'cse@gmail.com', 'cse@gmail.com', 'cse', 'cse', '06362786223', '06362786223',
'Karnataka', 'GM institute of technology', 2, 3263, 'fc.png', '2020-12-06');

-- --------------------------------------------------------


--
-- Table structure for table `login`
--

CREATE TABLE `login` (
  `email` varchar(50) DEFAULT NULL,
  `password` varchar(50) DEFAULT NULL,
  `u_id` int(11) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

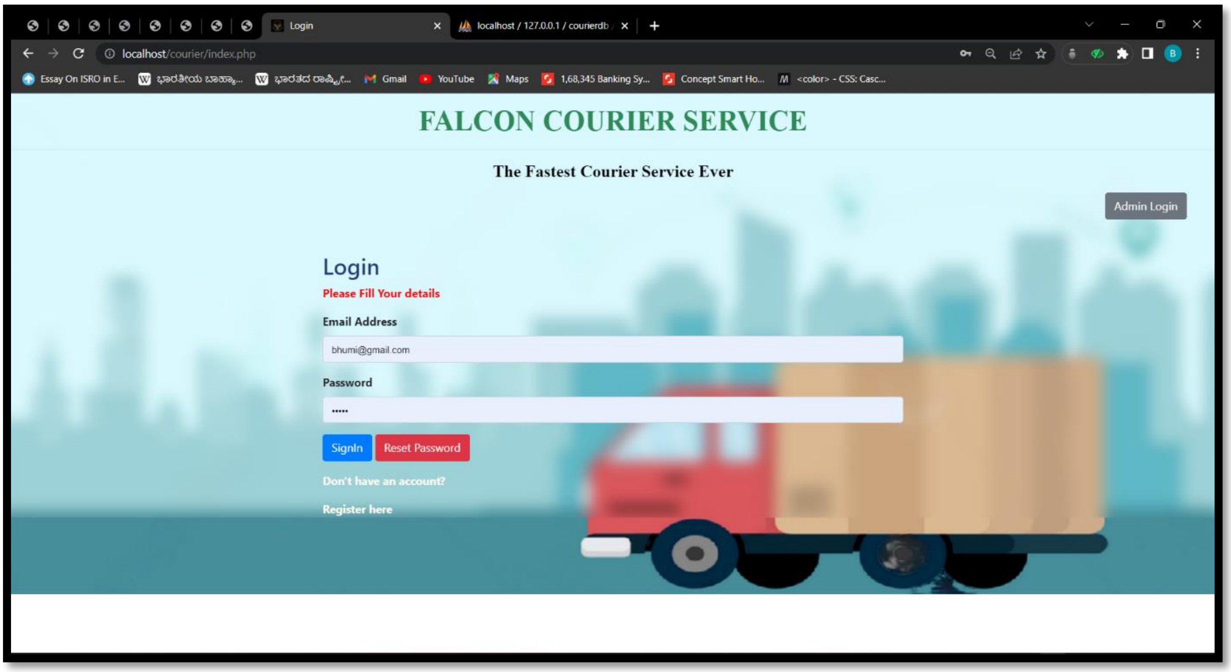
```
--
-- Dumping data for table `login`
--

INSERT INTO `login` (`email`, `password`, `u_id`) VALUES
('akshata@gmail.com', '12345', 1),
('bhumi@gmail.com', '12345', 4);

-- --------------------------------------------------------

--
-- Table structure for table `users`
--

CREATE TABLE `users` (
  `u_id` int(11) NOT NULL,
  `email` varchar(50) NOT NULL,
  `name` varchar(50) DEFAULT NULL,
  `pnumber` int(14) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `users`
--

INSERT INTO `users` (`u_id`, `email`, `name`, `pnumber`) VALUES
(1, 'akshata@gmail.com', 'akshu', 56665),
(4, 'bhumika@gmail.com', 'bhumi', 2147483647);

--
-- Indexes for dumped tables
--

--
-- Indexes for table `adlogin`
--
ALTER TABLE `adlogin`
  ADD KEY `a_id` (`a_id`);

--
-- Indexes for table `admin`
--
ALTER TABLE `admin`
  ADD PRIMARY KEY (`a_id`),
  ADD UNIQUE KEY `email` (`email`);
```

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

--
-- Indexes for table `courier`
--
ALTER TABLE `courier`
  ADD PRIMARY KEY (`c_id`),
  ADD UNIQUE KEY `billno` (`billno`),
  ADD KEY `u_id` (`u_id`);

--
-- Indexes for table `login`
--
ALTER TABLE `login`
  ADD KEY `u_id` (`u_id`);
```

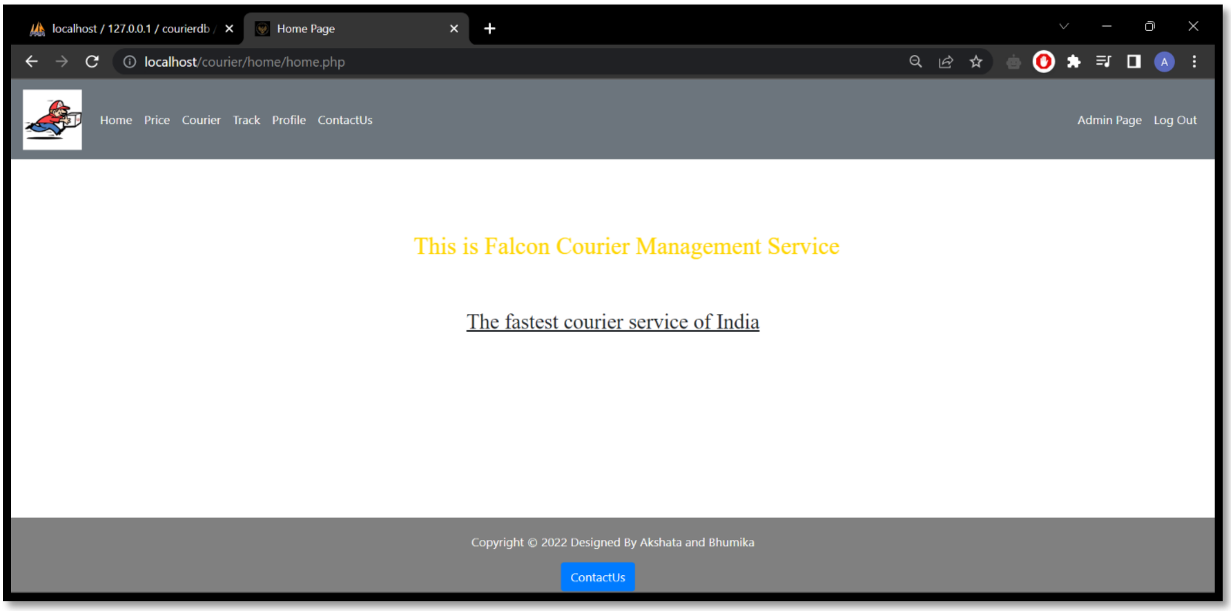
```
ALTER TABLE `contacts`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=3;
--
-- AUTO_INCREMENT for table `courier`
--

ALTER TABLE `courier`
  MODIFY `c_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=19;
--
-- AUTO_INCREMENT for table `users`
--

ALTER TABLE `users`
  MODIFY `u_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;
--
-- Constraints for dumped tables

-- Constraints for table `adlogin`
--
ALTER TABLE `adlogin`
  ADD CONSTRAINT `adlogin_ibfk_1` FOREIGN KEY (`a_id`) REFERENCES `admin`
(`a_id`);


--

-- Constraints for table `courier`

--

  ALTER TABLE `courier`
--
ADD CONSTRAINT `courier_ibfk_1` FOREIGN KEY (`u_id`) REFERENCES `users`
(`u_id`) ON DELETE CASCADE;


--
-- Constraints for table `login`
--
ALTER TABLE `login`
  ADD CONSTRAINT `login_ibfk_1` FOREIGN KEY (`u_id`) REFERENCES `users`
(`u_id`) ON DELETE CASCADE;
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 */;
```

# 8.SNAPSHOTS

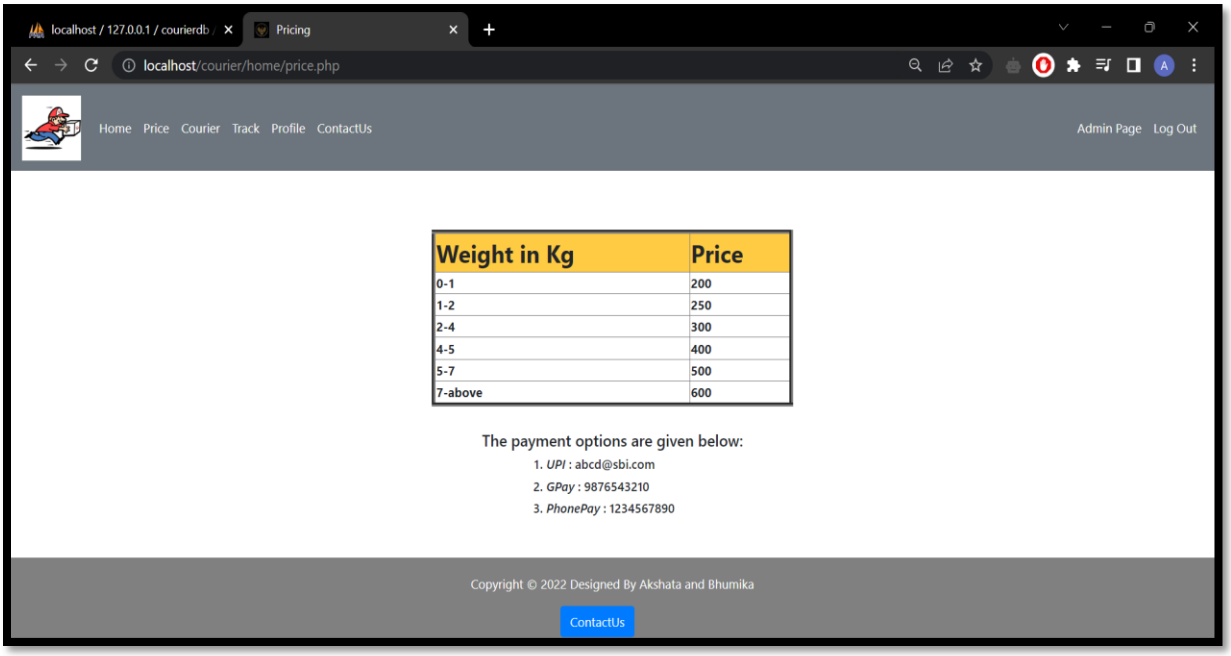
## 8.1 USER LOGIN PAGE



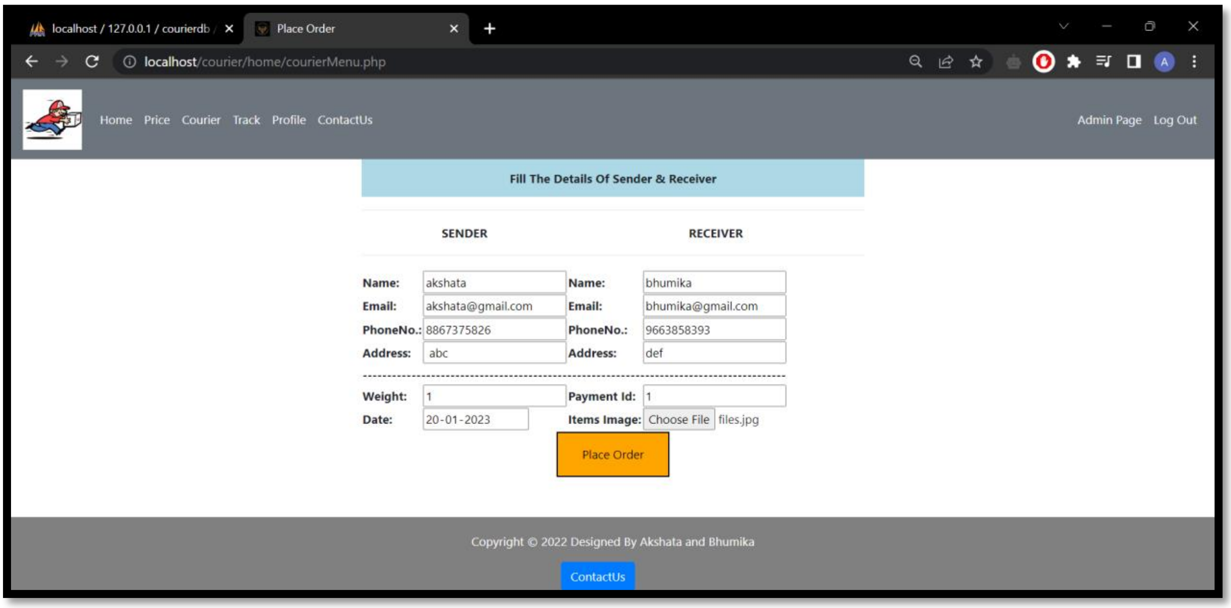
# 8.2 HOME PAGE



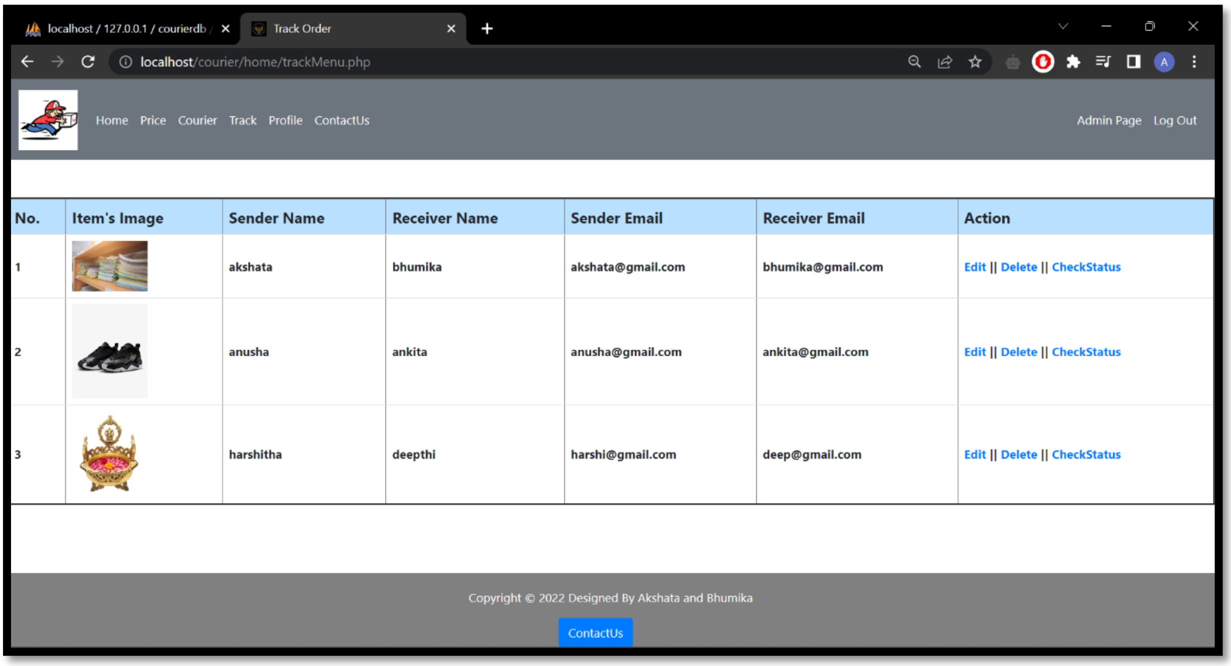

# 8.3 PRICING OF COURIER



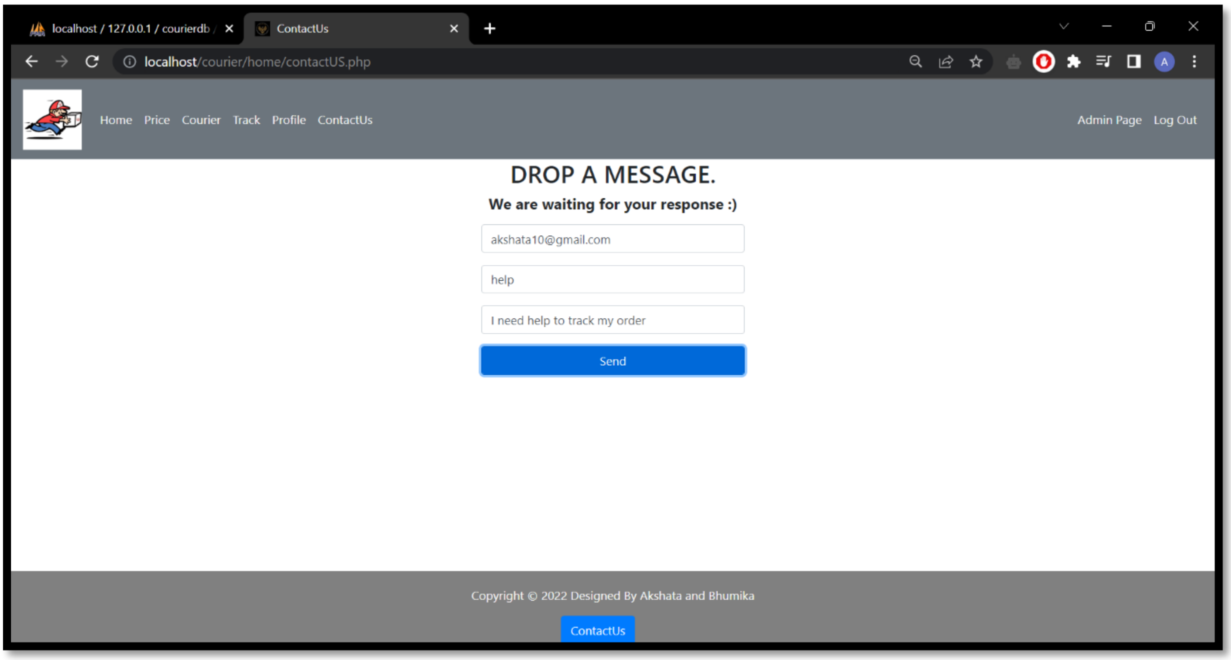
# 8.4 COURIER SENDING PAGE



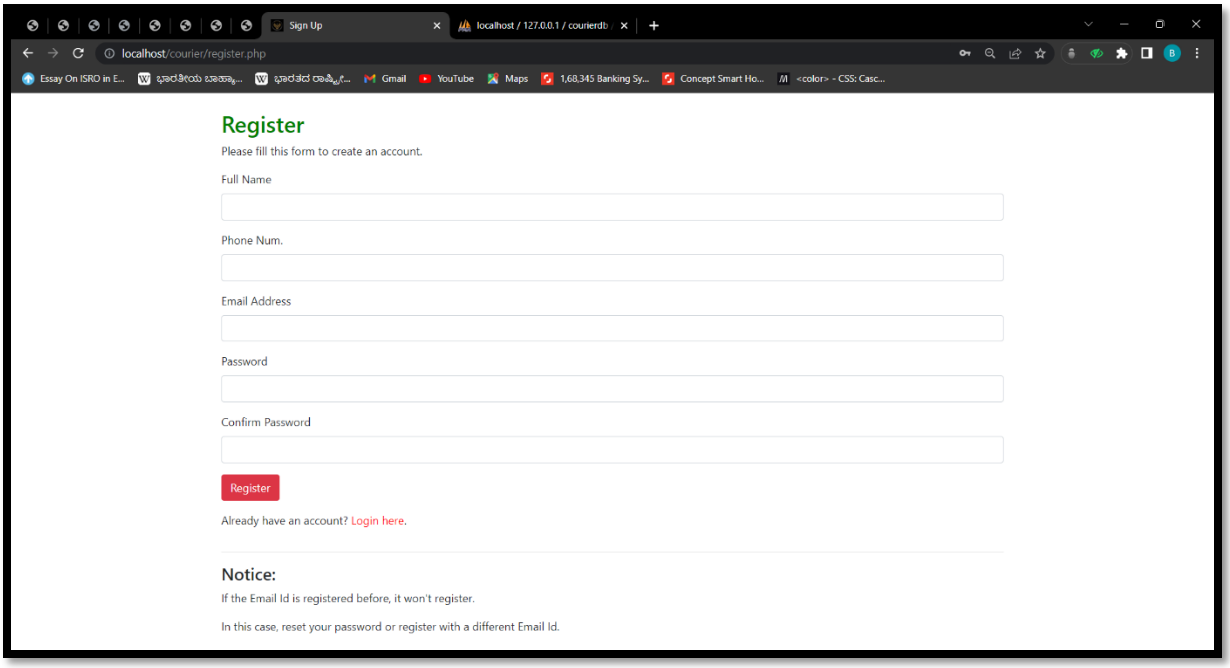

# 8.5 TRACK CONSIGNMENT PAGE



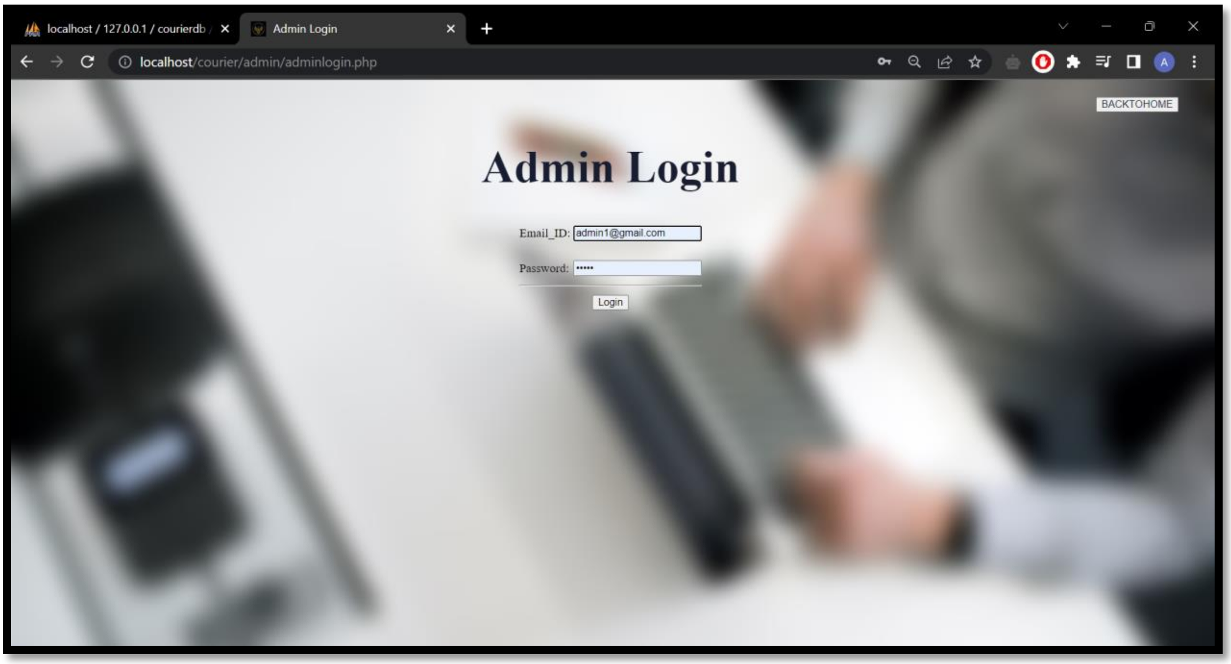
## 8.6 CONTACT US SECTION



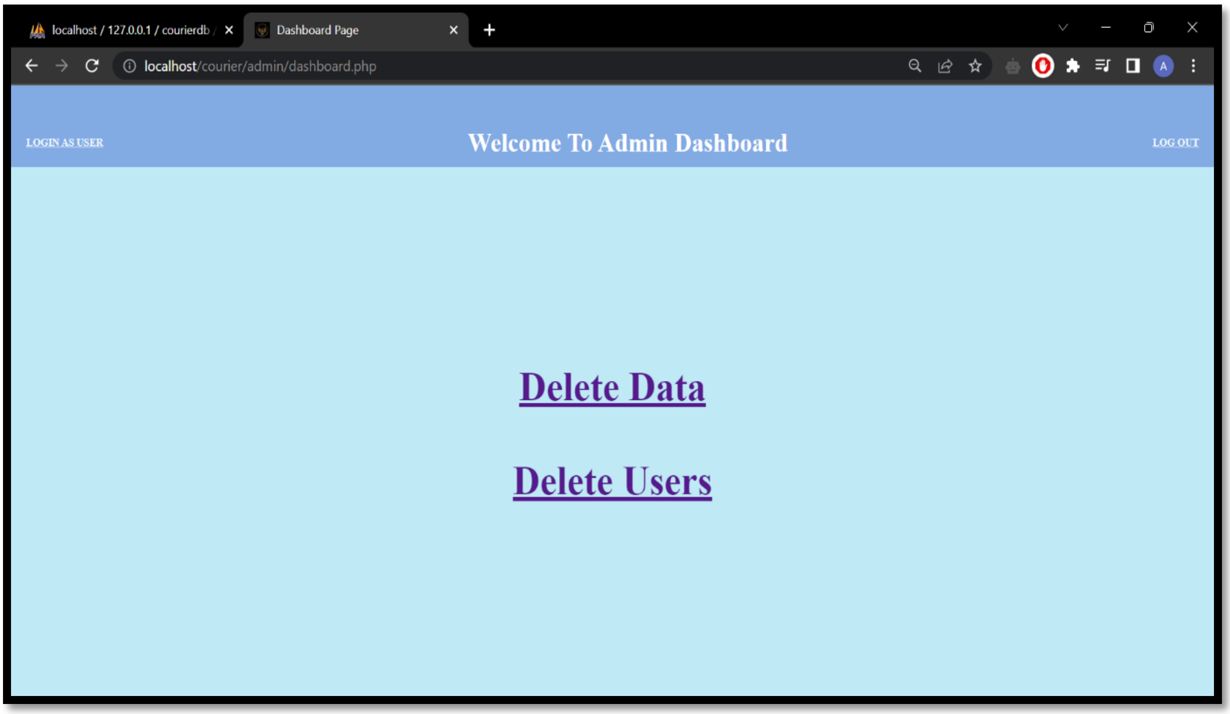

## 8.7 REGISTER NEW USERS PAGE



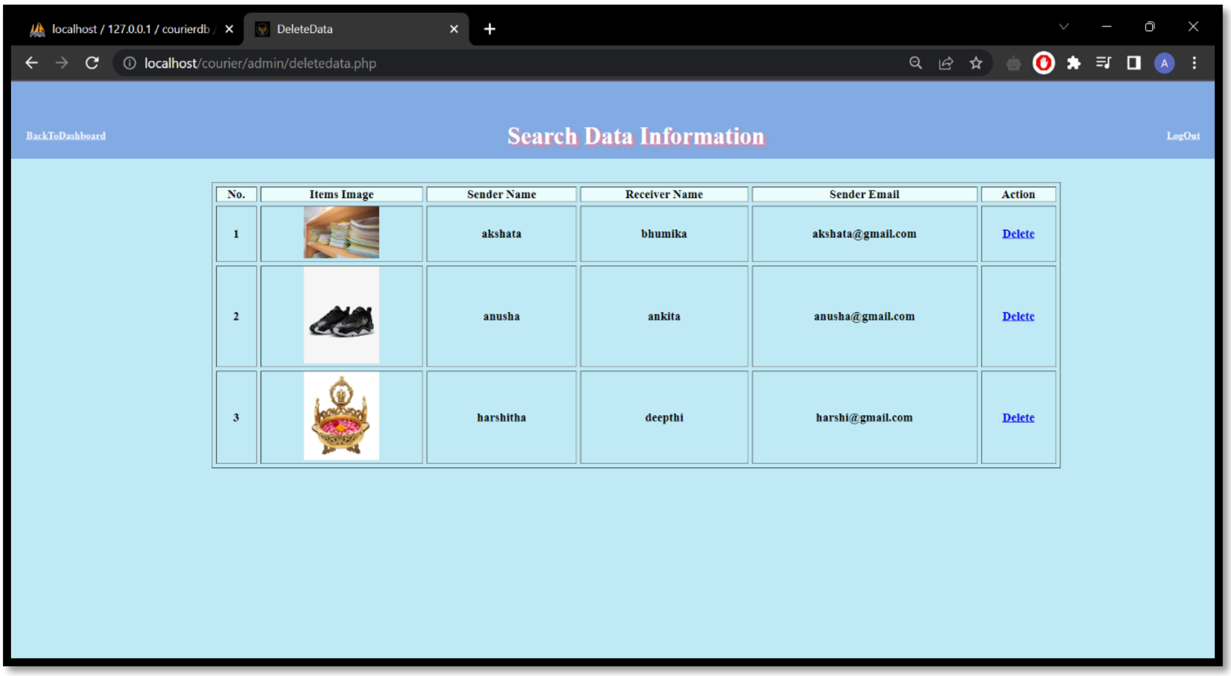
# 8.8 ADMIN LOGIN PAGE



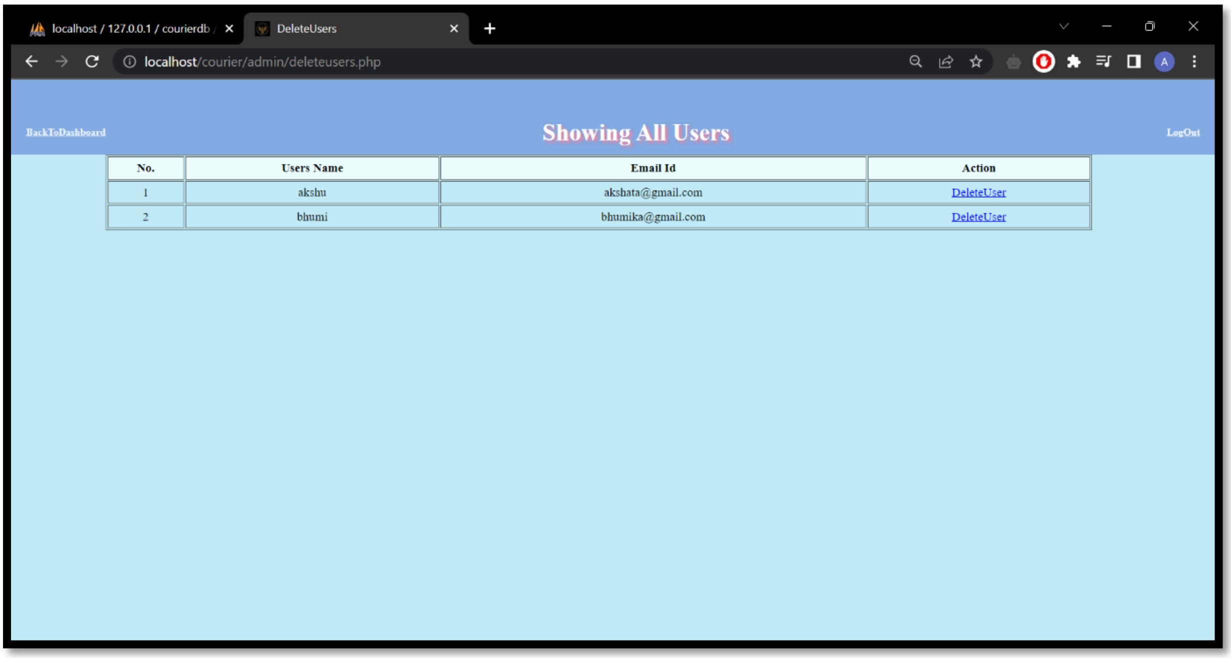

# 8.9 ADMIN PAGE



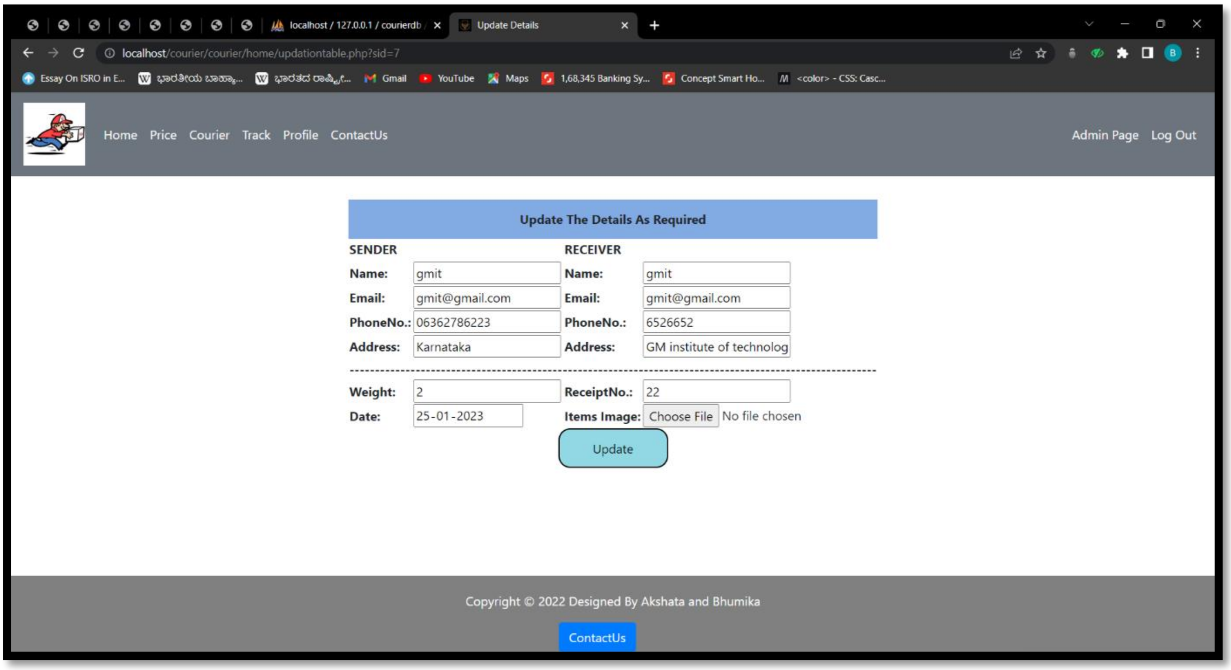
# 8.10 ADMIN'S DELETE DATA PAGE



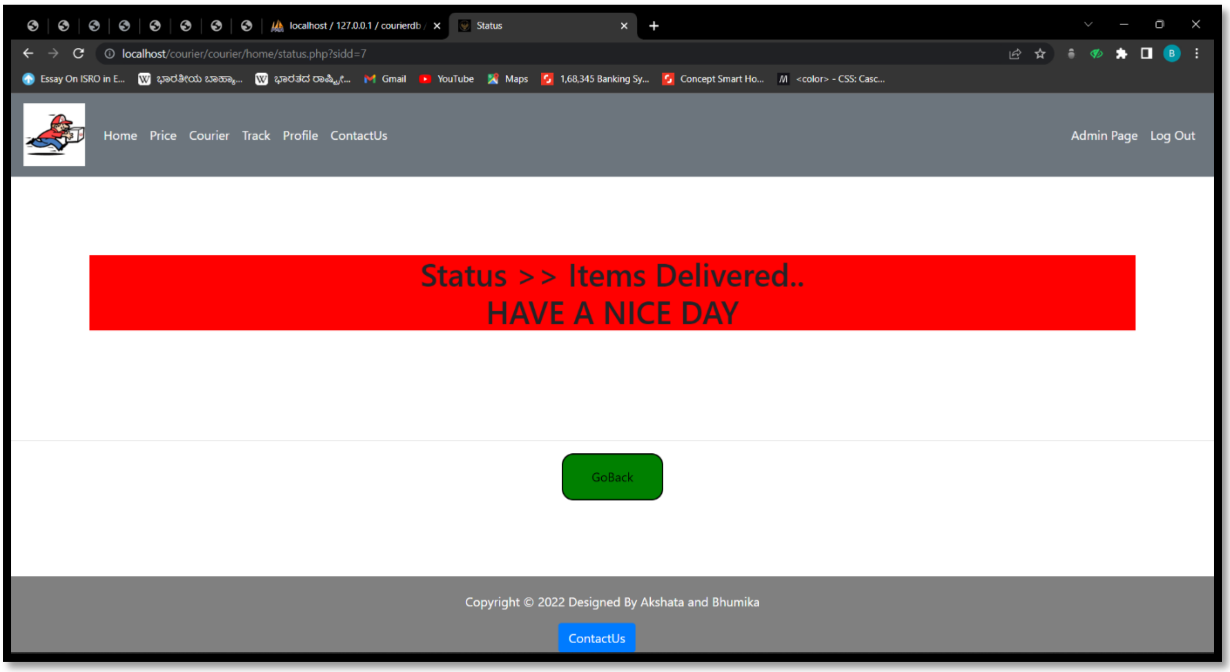

# 8.11 USER DETAILS PAGE



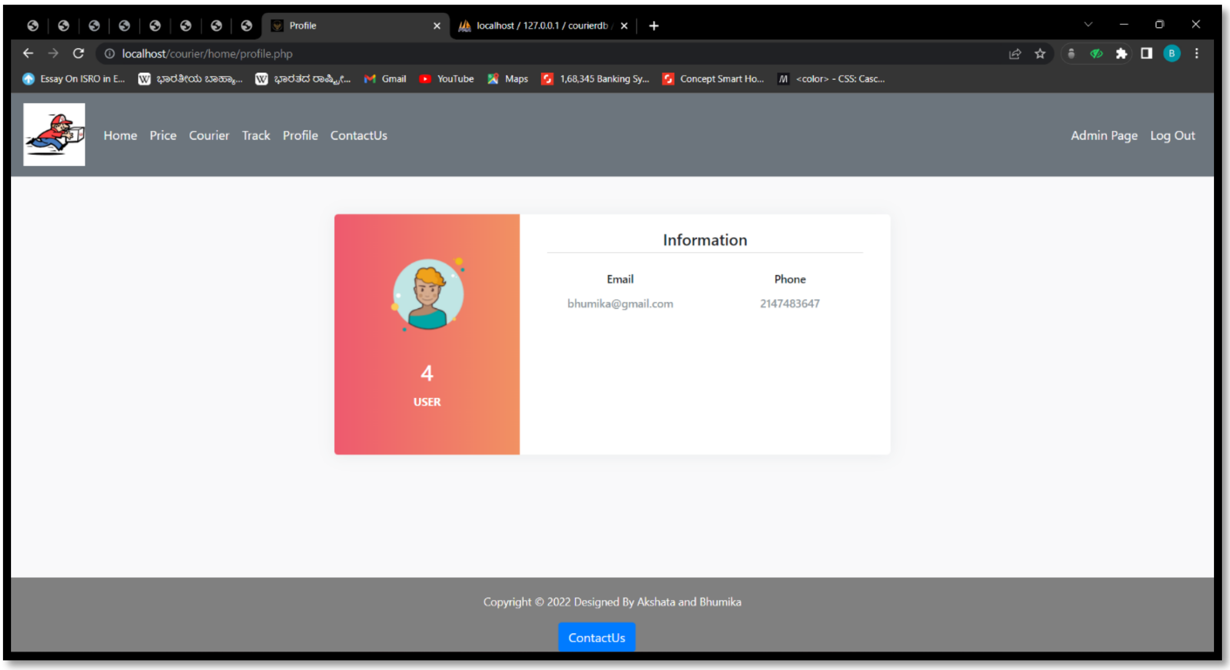
# 8.12 UPDATE COURIER DETAILS PAGE.



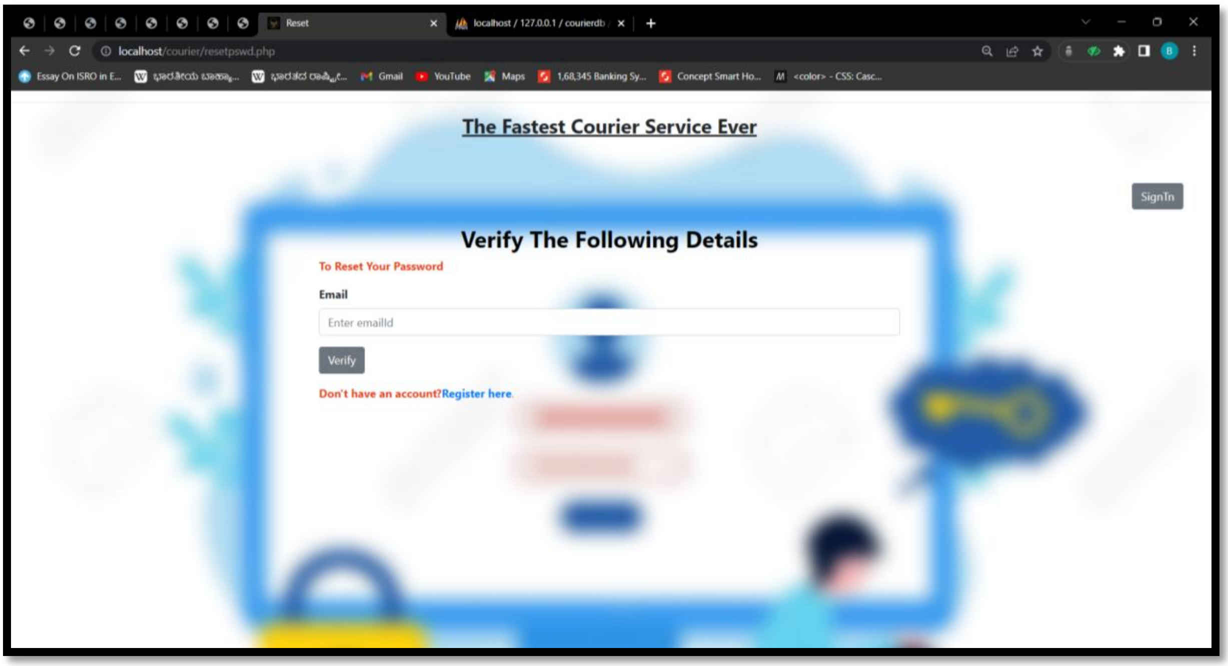

# 8.13 TRACK STATUS OF PARCEL



# 8.14 PROFILE VIEW SECTION




# 8.15 RESET PASSWORD PAGE



# 9.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 but 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

# 10.References and Bibliography:

- https://getbootstrap.com/
- https://www.apachefriends.org/download.html
- https://www.php.net/
- https://www.youtube.com/
- https://colorhunt.co/
- https://www.w3schools.com/html/
- https://www.w3schools.com/Css/