



NITTE
EDUCATION TRUST

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Department of Computer Science and Engineering

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Report on Mini Project

Mobile Buying Guide

Course Code : 19CS502

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ABSTRACT

In the present world, there are so many smartphones with different price ranges that it becomes very difficult when it comes to buying the right phone. Many at times, people spend hours or days searching in different sites for the prices and the right models and waste so much time. Even after searching for so long, they might end up buying the phone which might not fit their requirement and end up regretting paying for it. This project aims to help the user search for the ideal phone based on the requirements of the user. It takes the requirements of the phone and the budget of the user as the input and shows the ideal or the right phones. This in turn helps the user search faster and not waste time in buying the phone.

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INTRODUCTION

Information Technology has been growing rapidly, with the course of time, as technology and human knowledge converge to a twilight, the need for the betterment of their own sustaining life also increases. Rapid need of high data access and faster delivery is one of the major requirement of a product. Technology has give many gifts to the human race to lead a sophisticated life.

As the havoc increase in the platform of cellular phone, the must be well organized software which makes it possible for a management of a mobile store to maintain a healthy business.

It has a well define hardcore database of Microsoft SQL Server 2005 where the details of the specific data are safely kept in that Database and can also be retrieved as per need. No matter how advanced the Cellular phone, Smart phone be upcoming in the near future the use of this software will not be Back dated. Moreover the mobile Phones get

advanced with the upcoming technology but this software will remain as Evergreen Forever. This project is developed specific programming languages. The main aim of his project is to develop an online website which covers all the information of different mobiles i.e. Processor, RAM, battery size, price , Camera resolutions, charging speeds.

OBJECTIVES

- To create an user friendly application
- Help the user buy the phone suitable for them.
- To help the customer get to know about the new models in the market
- Decrease the time spent searching on the internet

HARDWARE / SOFTWARE Requirements

Software Requirements:

- IDE: Visual Studio Code Editor
- Client Side Technologies: HTML, CSS, JavaScript, Bootstrap
- Database Server: MYSQL, PHP
- Operating System: Microsoft Windows/Linux

Hardware Requirements:

- Processor: Pentium-3 or Higher
- RAM: 64MB or Higher
- Hard Disk: 80GB or Higher

	Windows requirements	Mac requirements	Linux requirements
Operating system	Windows 8 or later	macOS Sierra 10.12 or later	64-bit Ubuntu 14.04+, Debian 8+, openSUSE 13.3+, or Fedora Linux 24+
Processor	Intel Pentium 4 or later	Intel	Intel Pentium 4 or later
Memory	2 GB minimum, 4 GB recommended		
Internet connection	Required		

METHODOLOGY

Signup:

A table in the database has been created to store the user information. When the user wants to sign in with the site, he is directed to a HTML page where he enters his name, desired and unique User ID and Password. If it turns out to be valid his details are stored in the signup database that has attributes like name, User ID and password.

Login/Logout:

The user enters his credentials in the login page, this data is checked with the signup database i.e., the User ID and password is matched with the existing records in the signup database. If it turns out to be true the user is allowed to use the functionalities of the web page.

Admin Page :

After login made by the admin , he or she can add the brand photo of mobile , and also the details of the mobile like Model of the mobile , Name ,Release date , Price, Discount , Ram , Platform , Features. And so on.

They are responsible for the edit the features. They help the viewers to see the details of mobile in their home page

IMPLEMENTATION

Development environment:

- Visual studio code
- XAMPP Distribution

Languages used:

FRONT-END:

HTML: HTML stands for Hypertext Markup Language. It is used to design web pages using a markup language. HTML is the combination of Hypertext and Markup language. Hypertext defines the link between the web pages. A markup language is used to define the text document within tag which defines the structure of web pages. This language is used to annotate (make notes for the computer) text so that a machine can understand it and manipulate text accordingly. Most markup languages (e.g., HTML) are human-readable. The language uses tags to define what manipulation has to be done on the text.

CSS :

CSS is the language we use to style an HTML document. It describes how HTML elements should be displayed. It describes how HTML elements are easier to make the web pages presentable using CSS. It is easy to learn and understand and used to control the presentation of an HTML document. CSS helps us to control the text colour, font style, the spacing between paragraphs, sizing of columns, layout designs, and many more. It is independent of HTML.

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. It is open-source which means it is free to download and use. It is very simple to learn and use. The files have the extension “.php”. Rasmus Lerdorf inspired the first version of PHP and participating in the later versions. It is an interpreted language and it does not require a compiler. PHP code is

executed in the server. It can be integrated with many databases such as

Oracle, Microsoft SQL Server,

Login Module:

Administrators shall be able to load the Login Module in the internet browser.

The Login Module shall support the user to log into the system. The login panel shall contain fields to contain a user name and a field for password. It shall also contain a button labelled as Login. When the administrator clicks on the Login button the username and password will be verified and only then the administrator will be able to use the system.

Administrator Module:

After successful login, the system shall display administrative functions.

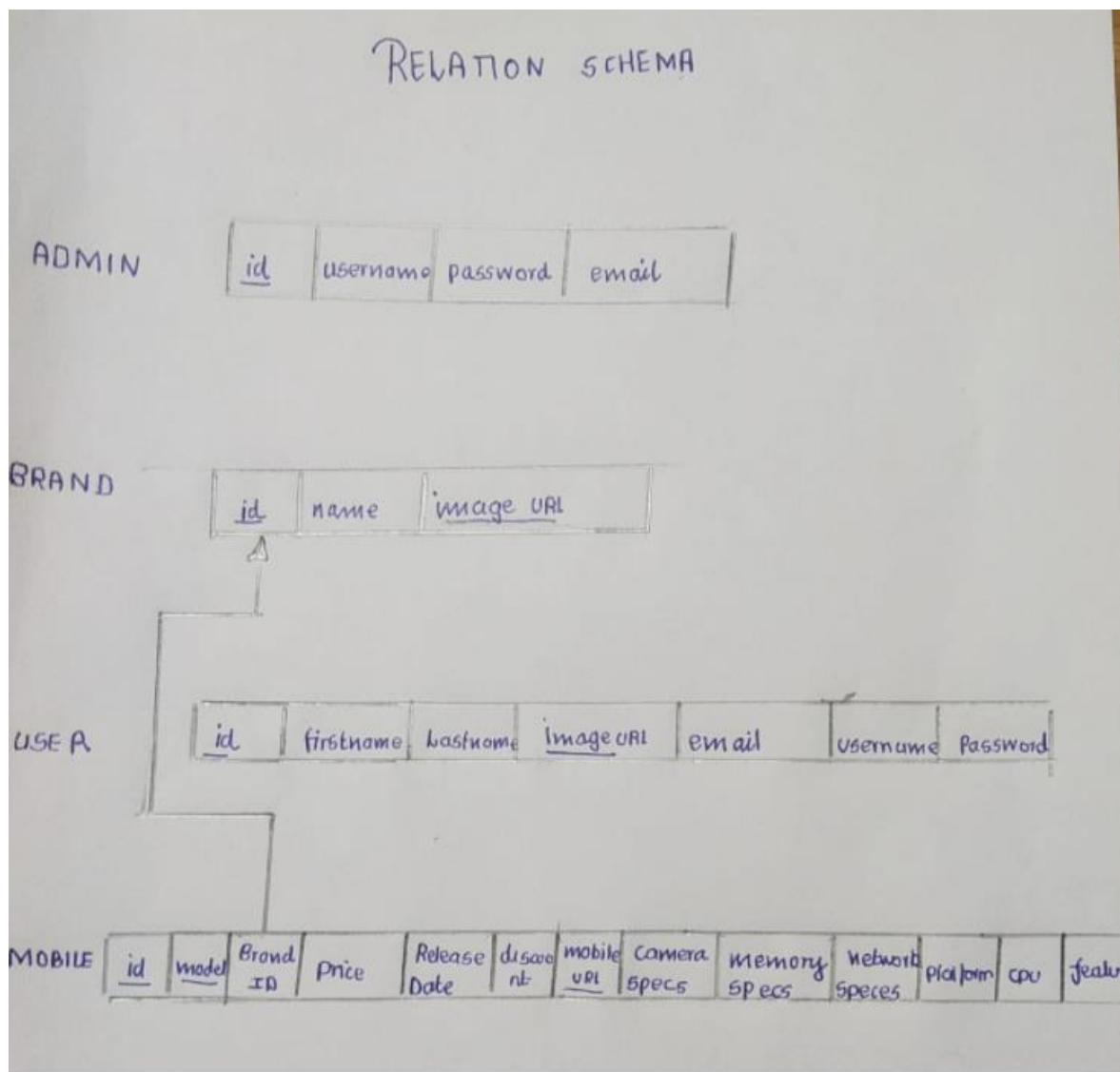
Administrative functions shown shall be add and update,delete operations.

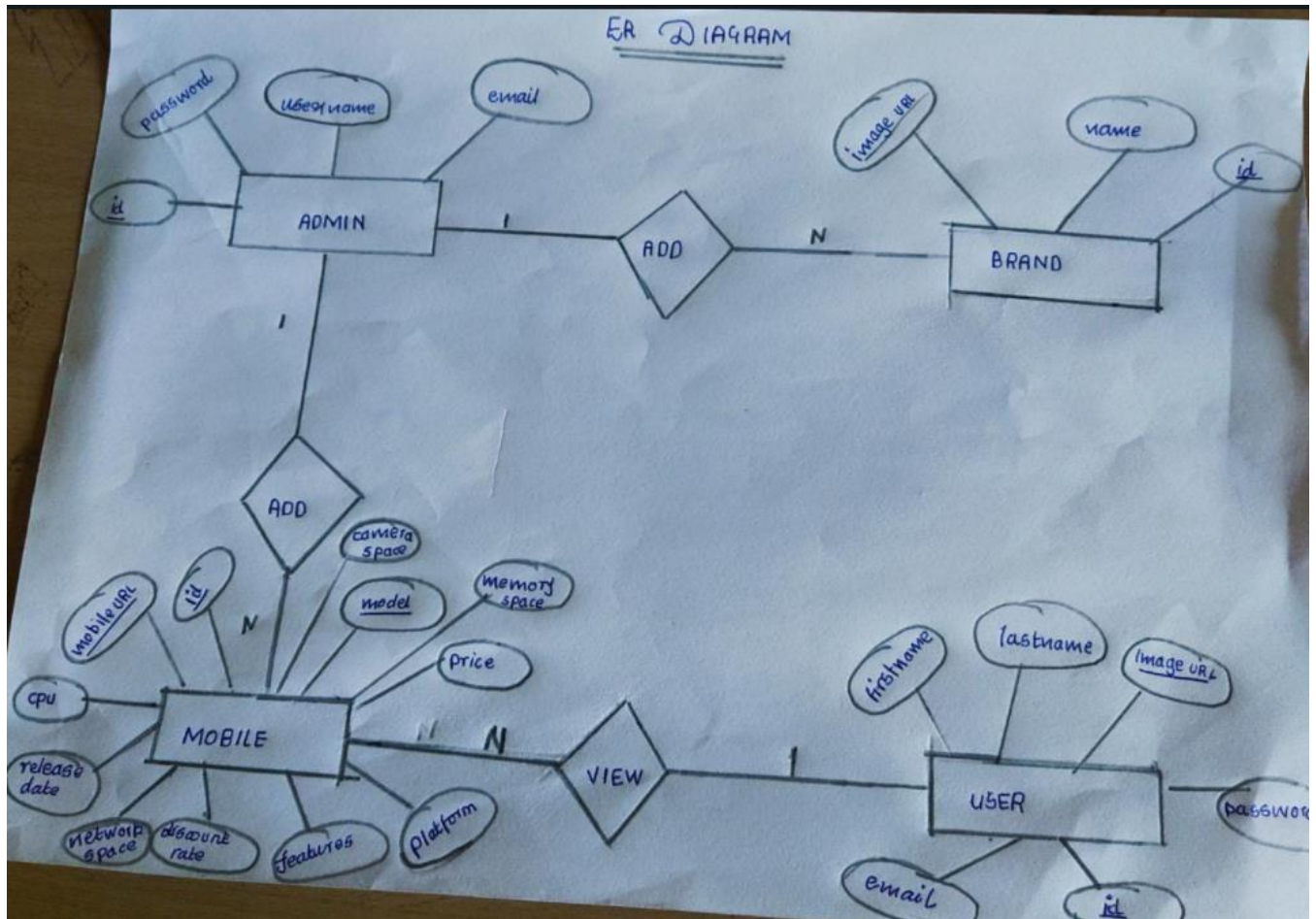
When an administrator clicks on the add button, the system shall display a section where the administrator can add new mobile details and. When an administrator clicks on the update button, the system shall display a section where the administrator can update mobile details .When the administrator clicks delete button, the system shall open a section where the administrator

can delete the details. When an administrator adds, updates or deletes an entry, the changes will be reflected in the database.

Viewer Module :

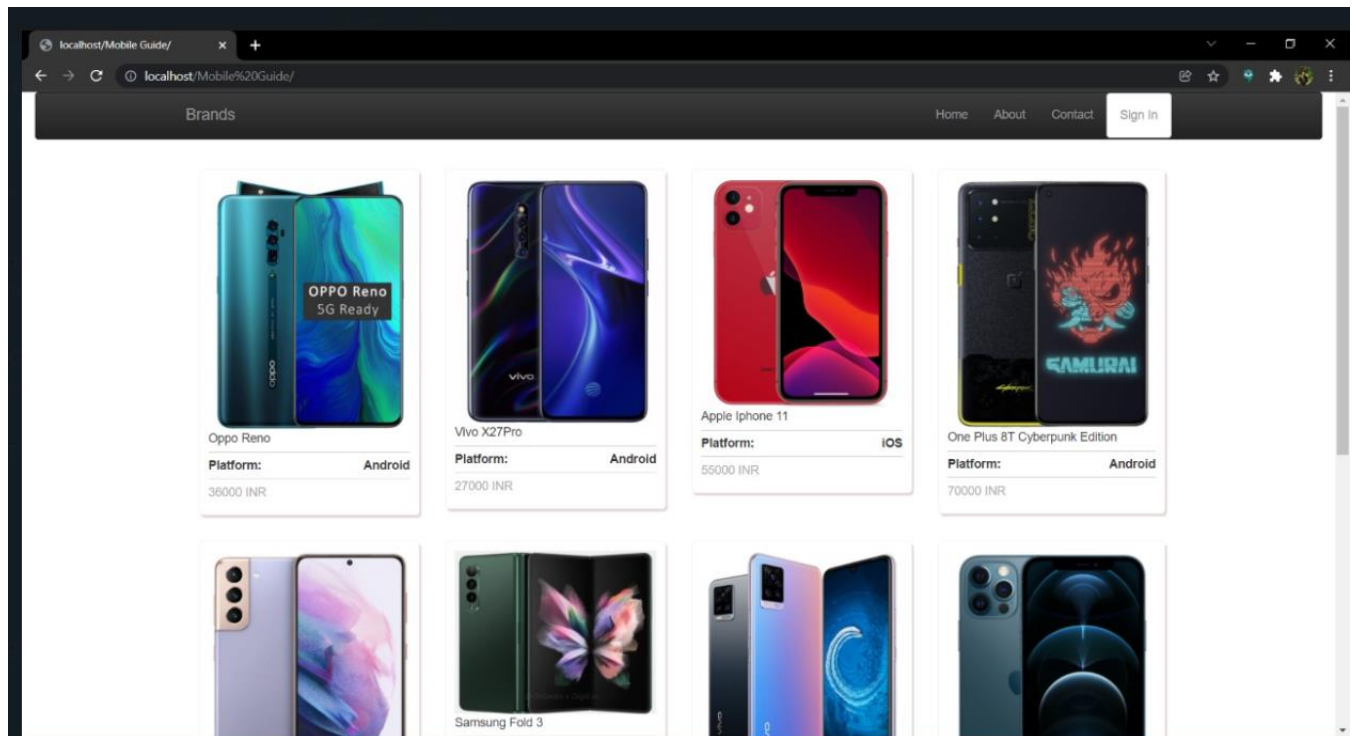
In this section the viewer can see the details of the mobile . the adds , updates or deletes an entry , the change will be reflected in the database.



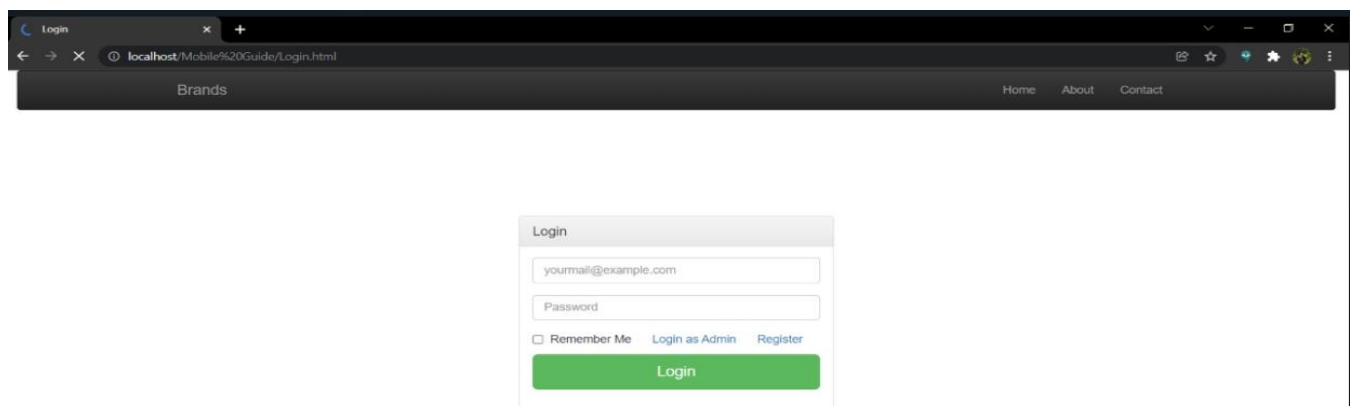


RESULTS AND DISCUSSIONS

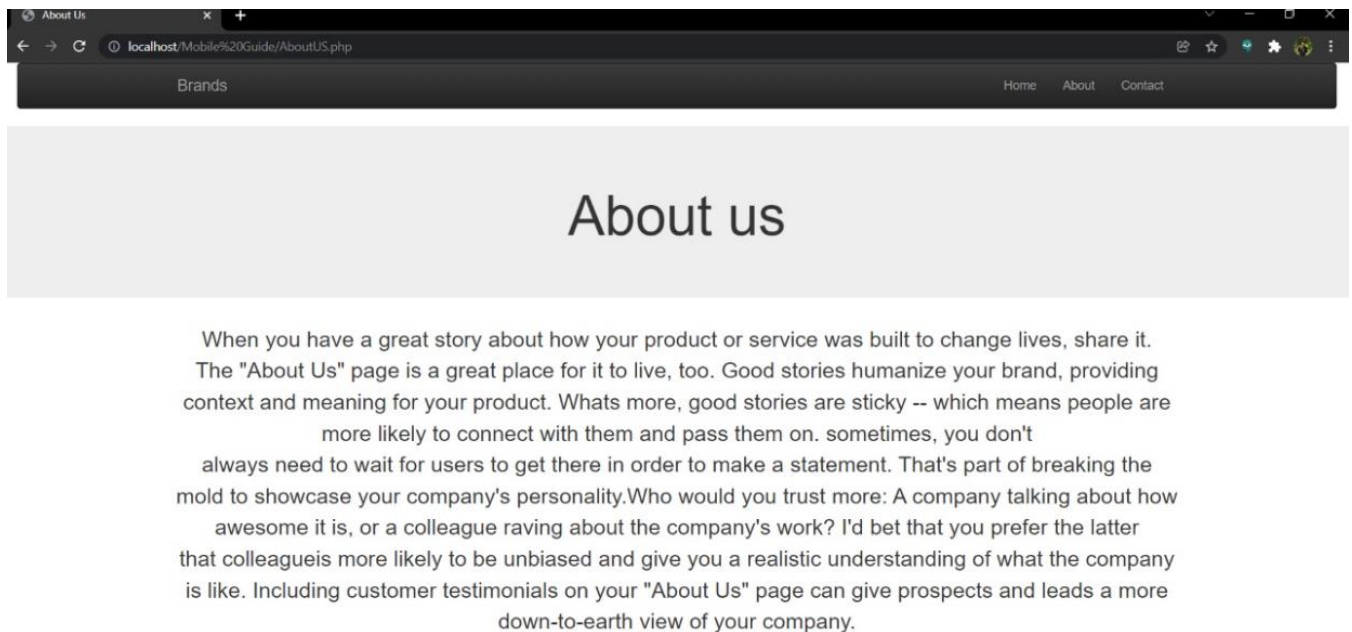
Home page :



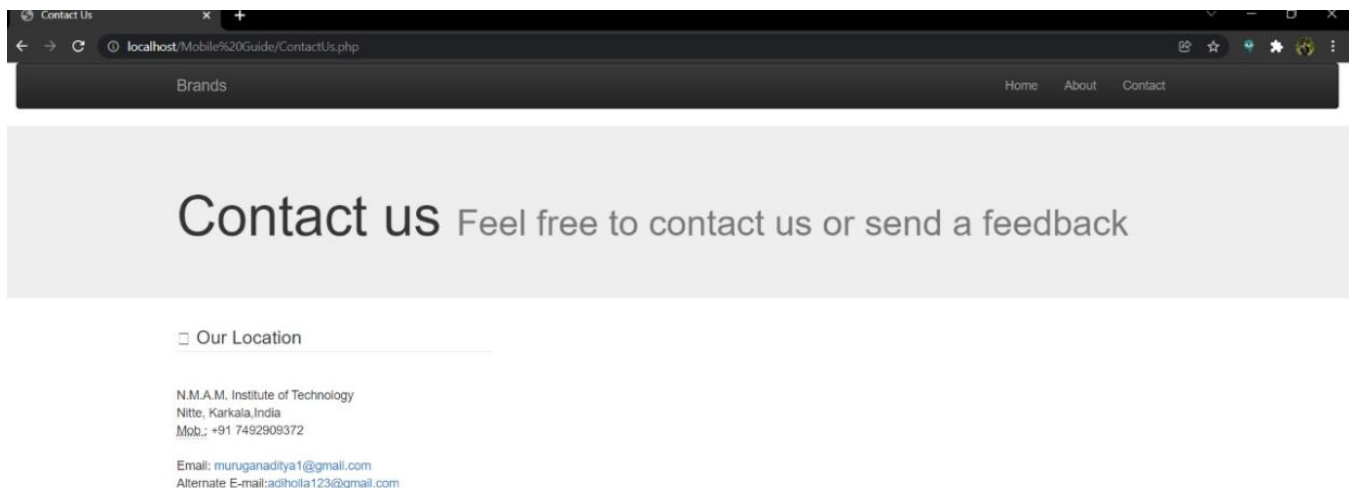
Login form :



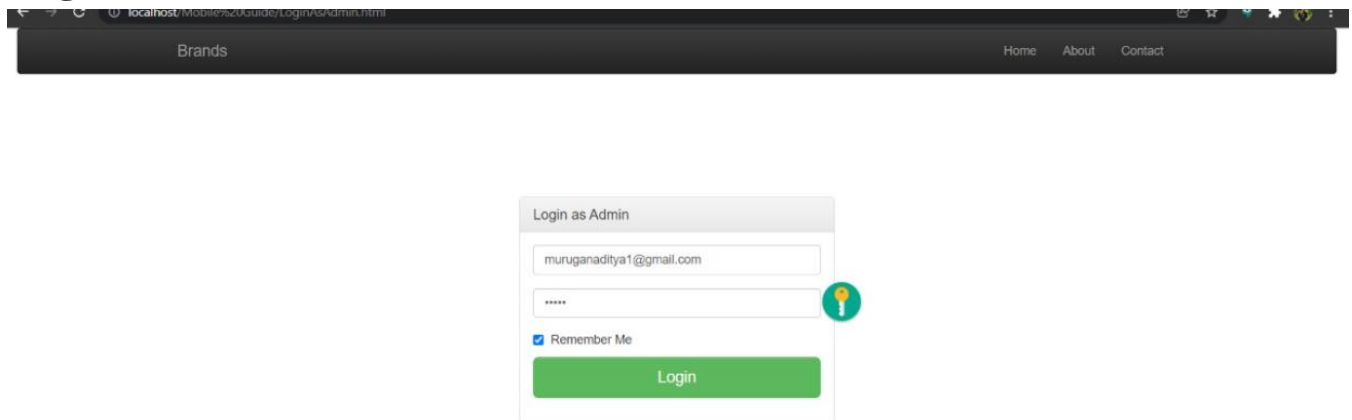
About us :



Contact us :

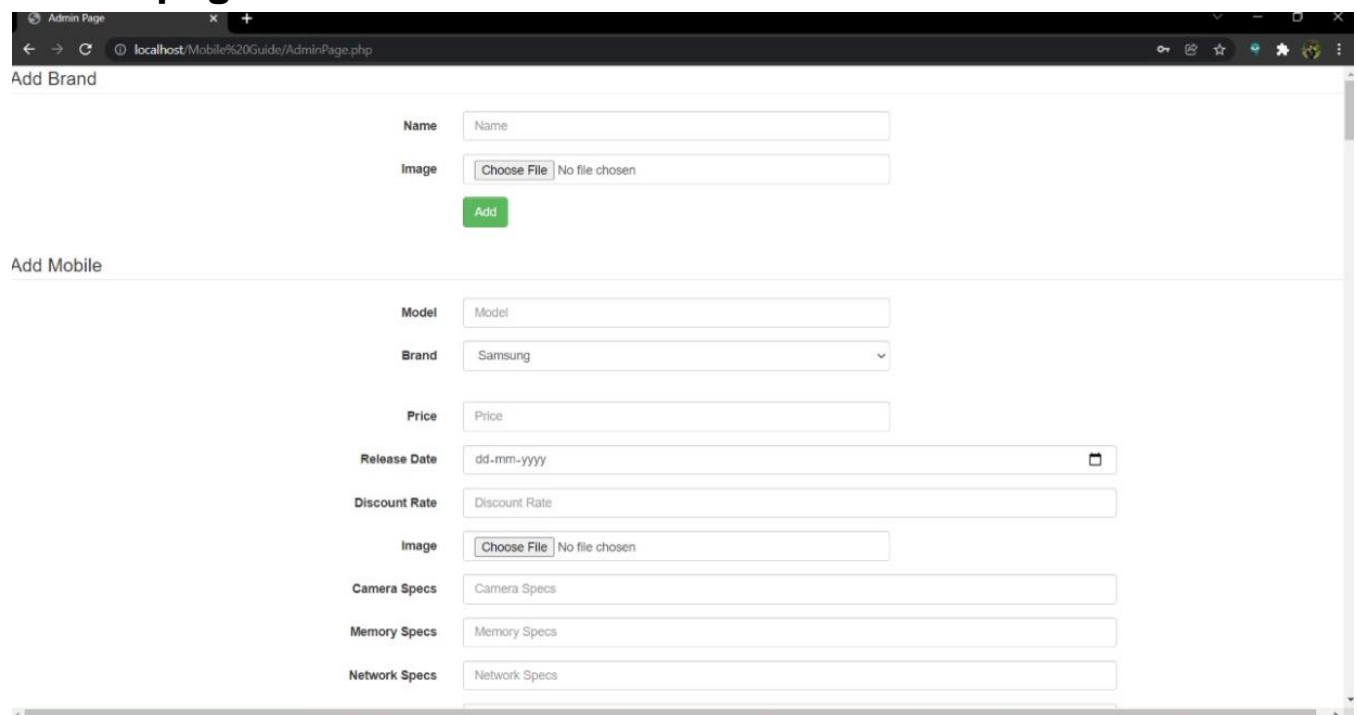


Login as admin :



The screenshot shows a web browser window with the URL `localhost/Mobile%20Guide/Login/as-admin.html`. The page has a dark header with the text "Brands" on the left and "Home", "About", and "Contact" on the right. The main content area is white and contains a "Login as Admin" form. The form has two input fields: the first contains the email `muruganaditya1@gmail.com` and the second contains masked characters `*****`. To the right of the password field is a green circular icon with a white key symbol. Below the password field is a checkbox labeled "Remember Me" which is checked. At the bottom of the form is a green button labeled "Login".

Admin page :



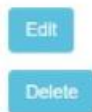
The screenshot shows a web browser window with the URL `localhost/Mobile%20Guide/AdminPage.php`. The page has a dark header with the text "Admin Page" on the left and "Home", "About", and "Contact" on the right. The main content area is white and contains two sections: "Add Brand" and "Add Mobile".

Add Brand

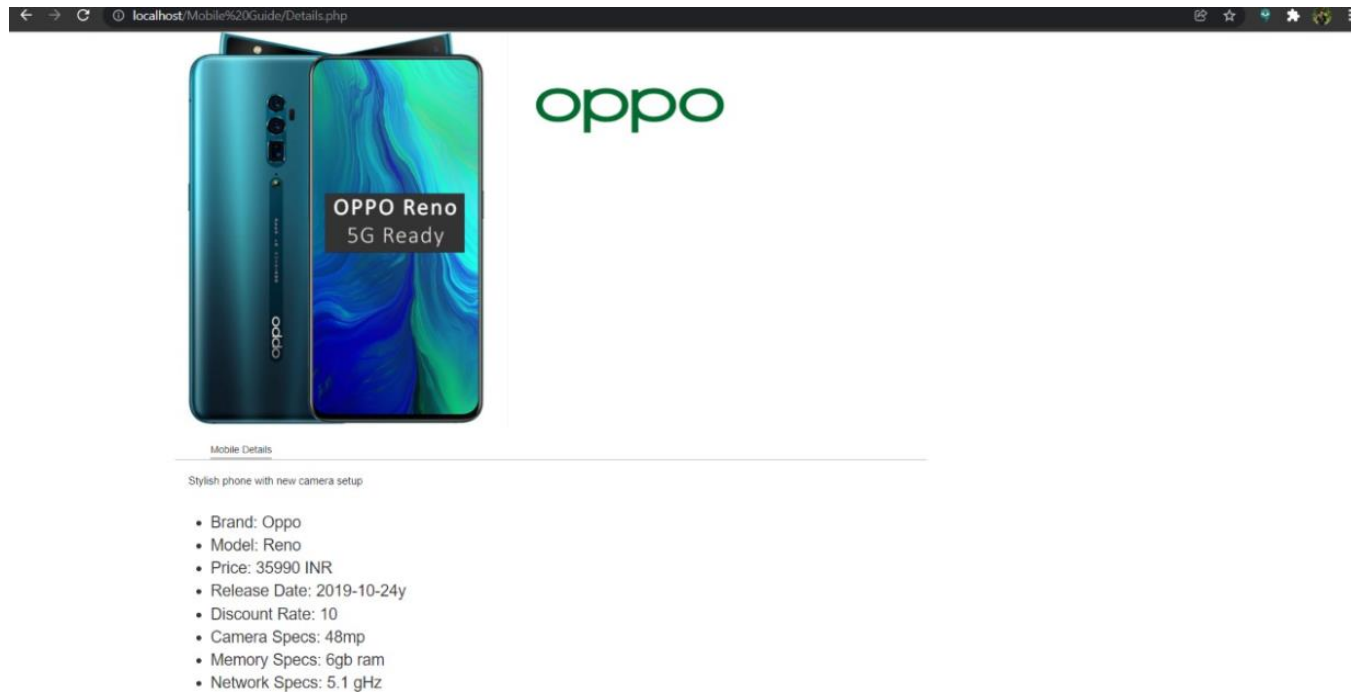
The "Add Brand" section has two input fields: "Name" and "Image". The "Image" field has a "Choose File" button and the text "No file chosen". Below these fields is a green button labeled "Add".

Add Mobile

The "Add Mobile" section has several input fields: "Model", "Brand" (a dropdown menu showing "Samsung"), "Price", "Release Date" (with a date picker icon), "Discount Rate", "Image" (with a "Choose File" button and "No file chosen" text), "Camera Specs", "Memory Specs", and "Network Specs".



Sign Out

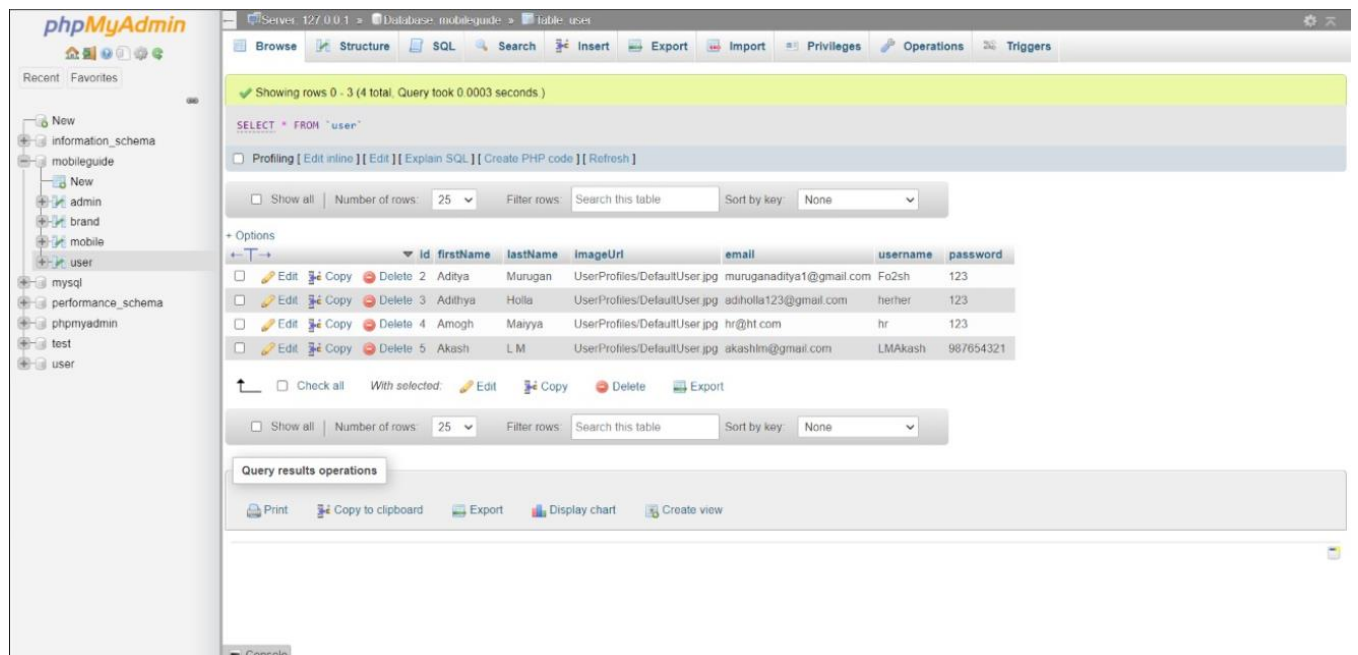


OPPO Reno
5G Ready

Mobile Details

Stylish phone with new camera setup

- Brand: Oppo
- Model: Reno
- Price: 35990 INR
- Release Date: 2019-10-24y
- Discount Rate: 10
- Camera Specs: 48mp
- Memory Specs: 6gb ram
- Network Specs: 5.1 GHz



phpMyAdmin

Server: 127.0.0.1 » Database: mobileguide » Table: user

Showing rows 0 - 3 (4 total. Query took 0.0003 seconds)

SELECT * FROM `user`

Options

			Id	firstName	lastName	imageUrl	email	username	password	
<input type="checkbox"/>	Edit	Copy	Delete	2	Aditya	Murugan	UserProfiles/DefaultUser.jpg	muruganaditya1@gmail.com	Fo2sh	123
<input type="checkbox"/>	Edit	Copy	Delete	3	Adithya	Holla	UserProfiles/DefaultUser.jpg	aditholla123@gmail.com	herher	123
<input type="checkbox"/>	Edit	Copy	Delete	4	Amogh	Maiyya	UserProfiles/DefaultUser.jpg	hr@ht.com	hr	123
<input type="checkbox"/>	Edit	Copy	Delete	5	Akash	L.M	UserProfiles/DefaultUser.jpg	akashlm@gmail.com	LMakash	987654321

Query results operations

Print Copy to clipboard Export Display chart Create view

The screenshot shows the phpMyAdmin interface with the 'mobile' table selected. The table has 12 columns: id, model, brandID, price, releaseDate, discountRate, mobileUrl, cameraSpecs, memorySpecs, networkSpecs, platform, and cpu. The data is as follows:

id	model	brandID	price	releaseDate	discountRate	mobileUrl	cameraSpecs	memorySpecs	networkSpecs	platform	cpu
2	Reno	3	36000	2019-10-24	10	MobilesPictures/7Reno.jpg	48mp	6gb ram	5.1 GHz	Android	Snapdragon 865
3	X27Pro	4	27000	2020-03-14	0	MobilesPictures/6X27Pro.jpg	36mp	8gb ram	4.8GHz	Android	Snapdragon 865
4	Iphone 11	5	55000	2019-02-12	10	MobilesPictures/9Iphone 11.jpg	12mp	4gb ram	4.8GHz	iOS	Bionic A14
6	8T Cyberpunk Edition	2	70000	2020-09-12	12	MobilesPictures/8T Cyberpunk Edition.jpg	48mp	12gb ram	5.1 GHz	Android	Snapdragon 865
7	S21	1	80000	2020-06-21	15	MobilesPictures/4S21.jpg	58mp	12gb ram	5.1 GHz	Android	Snapdragon 888
8	Fold 3	1	126000	2020-06-25	5	MobilesPictures/4Fold 3.jpg	48mp	8gb ram	4.8GHz	Android	Snapdragon 865

The screenshot shows the phpMyAdmin interface with the 'brand' table selected. The table has 3 columns: id, name, and imageUrl. The data is as follows:

id	name	imageUrl
1	Samsung	BrandsPictures/samsung.png
2	One Plus	BrandsPictures/Oneplus.png
3	Oppo	BrandsPictures/Oppo.jpg
4	Vivo	BrandsPictures/Vivo.jpg
5	Apple	BrandsPictures/Apple.jpg

The screenshot shows the phpMyAdmin web interface. The left sidebar displays a tree view of the database structure, including 'information_schema', 'mobileguide', 'admin', 'brand', 'mobile', 'user', 'mysql', 'performance_schema', 'phpmyadmin', 'test', and 'user'. The 'admin' table is selected under the 'mobileguide' database.

The main panel shows the 'admin' table structure and data. The table has columns: 'id', 'username', 'password', and 'email'. The data is displayed in a table with two rows:

	id	username	password	email
<input type="checkbox"/>	1	Holla	12345	adholla123@gmail.com
<input type="checkbox"/>	2	Murugan	12345	muruganaditya1@gmail.com

Below the table, there are options to 'Check all', 'With selected', 'Edit', 'Copy', 'Delete', and 'Export'. The 'Query results operations' section includes links for 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'.

CONCLUSION AND FUTURE SCOPE

- Mobile Buying Guide can be used by anyone with access to internet.
- Achieving this objective is difficult using the manual system as the information is scattered, can be redundant, and collecting relevant information may be very time-consuming. It always provides accurate information.
- All gathered and extra information can be saved and can be accessed by administrators at any time. All the users can get the desired information without delay.
- With the help of the software, it becomes easy for the users to collect helpful data required for purchasing.

Scope:

- This System has large scope for the Mobile Buying Guide .
- The System stores all information of the Mobiles.
- System can able to accept user request and manages information like Mobile's
- System provides the facility of Mobile Information with their Prices.
- System Provide facility of payment and purchase Products.

REFERENCES

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<https://www.w3schools.com/cssref/default.asp> : W3Schools CSS reference

<https://www.w3schools.com/js/default.asp> : W3Schools Javascript reference

<https://www.w3schools.com/bootstrap/default.asp> : W3Schools Bootstrap reference

<https://getbootstrap.com/docs/5.0/content/reboot/> : Getbootstrap reference

<https://www.w3schools.com/php/default.asp> : W3Schools PHP reference