SUMMER TRAINING REPORT

ON

"GOOGLE HOME PAGE LOOKALIKE"

Submitted in partial fulfilment of the requirements for the award of degree of

BACHELOR OF ENGINEERING

IN

Computer Science & Engineering

Submitted to: **Er Saurabh Sharma**

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CHANDIGARH UNIVERSITY GHARUAN, MOHALI

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CERTIFICATE

This is to certify that the work embodied in this Project Report entitled **"**Google Home Page Lookalike**"**, being submitted by "20BCS9604, 20BCS9620, 20BCS9589, 20BCS9619"

2nd Semester for partial fulfillment of the requirement for the degree of **"Bachelor of Engineering in Computer Science & Engineering" discipline in "Chandigarh University"** during the Summer Training session of JUNE-JULY 2021 is a record of bona fide piece of work, carried out by student under the supervision and guidance of

"Department of Computer Science & Engineering", Chandigarh University.

CHANDIGARH UNIVERSITY,GHARUAN,MOHALI

DECLARATION

We, students of **Bachelor of Engineering in Computer Science & Engineering**, hereby declare that we have undertaken Summer Training and developed project titled "**Google Home Page Lookalike**" during a period from **June 14,2021** to **July 8,2021** in partial fulfilment of requirements for the award of degree of **B.E (COMPUTER SCIENCE & ENGINEERING) at CHANDIGARH UNIVERSITY GHARUAN, MOHALI**. The work which is being presented in the training report submitted to **Department of Computer Science & Engineering** at **CHANDIGARH UNIVERSITY GHARUAN, MOHALI** is an authentic record of training work.

Students details and Signature:

- **Priyanshu Ladha 20BCS9604**
- **Gursewak Singh 20BCS9620**
- **Nitya Patyal 20BCS9589**
- **Dev Maheshwari 20BCS9619**

The training Viva–Voce Examination of this project has been held on _____ and accepted.

Saurabh Sharma

Signature of Internal Examiner

Signature of External Examiner

ACKNOWLEDGEMENT

We would like to express our deep and sincere gratitude to our Project in charge **ER Saurabh Sharma** for giving us the opportunity to do the project and providing valuable guidance throughout this research. Their dynamism, vision and exquisite efforts have deeply inspired us. They taught us the methodology to carry out the research and to present the research work as clearly as possible. It was a great privilege for us to study and work under their guidance.

We owe the completion of my project to our project Mentor for their continuous support and guidance.

LIST OF FIGURES

ABSTRACT

This project is designed for learning and applying the gained knowledge of Database Management System and Web designing in creating a lookalike of already existing “GOOGLE Home page” consisting of Google logo, search icons, text box, Gmail, images buttons etc using HTML, CSS, JavaScript and connecting the web page to Database to store User Information.

Not only a visual of GOOGLE home page, it is also able to search web pages, anything that one wishes to ask, find information, know methods, etc and functions in a same way a search engine does. The user can enter text or search URL to find related web pages and content.

Along with that it contains Google Images, Gmail, Apps, Log in options in the Navigation Bar. The User can navigate to any preferred options and the request will forward the user to related pages.

Additional options are also added helping user to get insight of Google privacy policy, terms and conditions, business, advertising, how search work.

The User can create a new account or log in. They can also log into the system with their previously created account. The User information will all be saved in self-created Database connected to the web page.

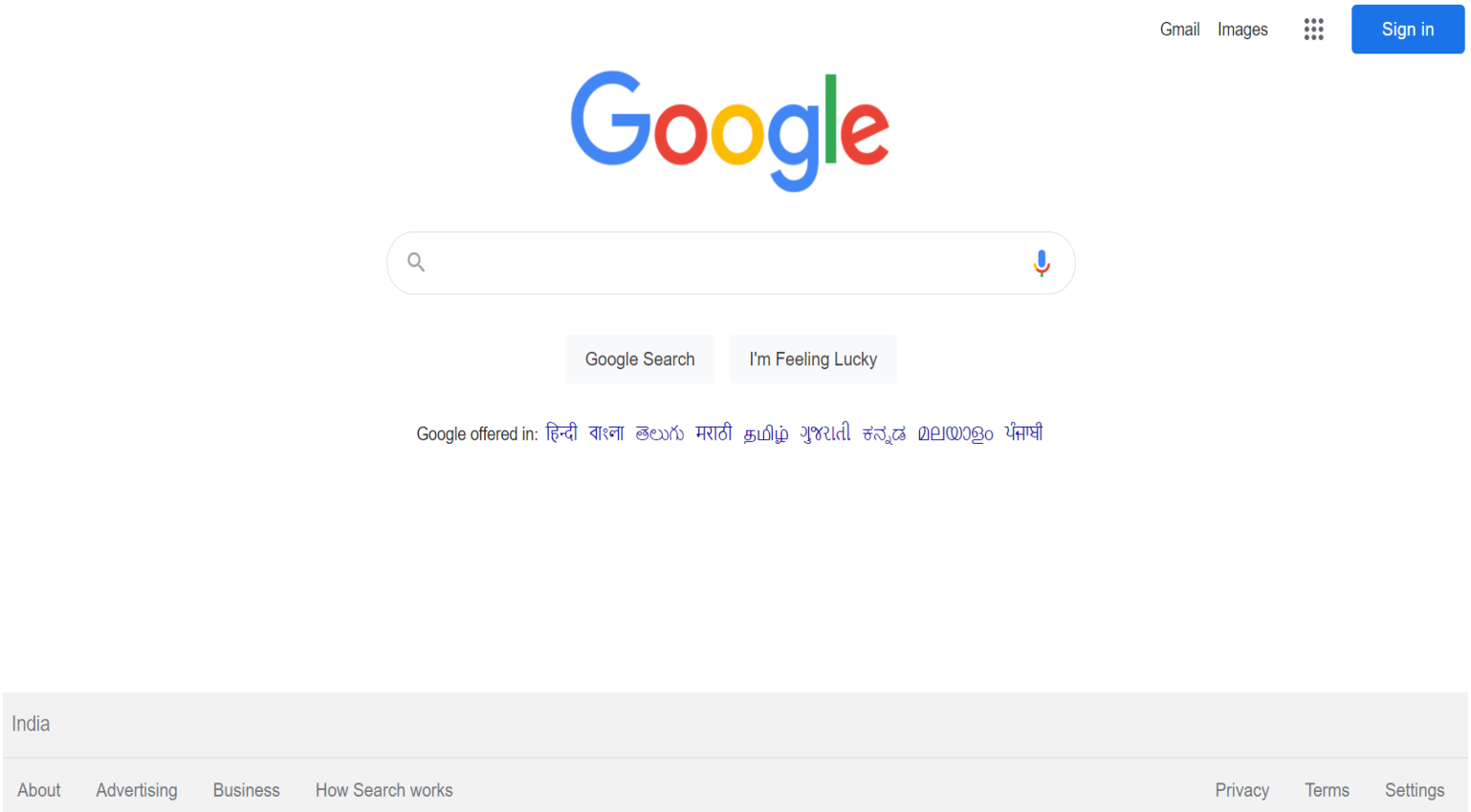
CHAPTER: 1

INTRODUCTION

1.1 Theoretical Explanation:

The Internet acts as a virtual street, with millions of companies and organizations all expanding their businesses**.** A home page is a website's only chance to show visitors what there is to offer**.** Regardless of a website's function (e-commerce, organizational, non-profit, etc.), the home page is like a storefront window. It is a peek inside the website. Therefore, it is essential for a home page of a website to be appealing and user-friendly to grab user's attention.

In this project we aim to design "GOOGLE Home page" lookalike and connect it to database system to store user information.



Our web page is also able to work as search engine so that user would be able search relative web pages or search URLs for their respective queries.

In the Navigation Bar in top left corner, the user can log in their system or create a new account which is connected to the database and the information of the user will be stored.

The User can also access Google Images, Gmail, and other GOOGLE Apps by clicking on their picture.

In the middle regions lie the search bar where the user will search. Along with those other buttons are created to help the user to search and to direst user to doodles page of google.

This page is also available in different other languages other than English.

The footer creates link to redirect user to GOOGLE terms and conditions, settings, advertising, business and discover web page.

Benefits of creating home page for any website:

- The Home page identifies branded value proposition, the About Us page tells visitors all about business and the Contact Us page informs everyone how to get in touch.
- A homepage's impact on a company's bottom line is far greater than simple measures of e-commerce revenues: The homepage is the company's face to the world.
- Homepage is as an analogue to a home’s curb appeal. It is the first thing many people see when they visit the website.
- Homepage offers users clear starting points for the main tasks they will undertake when visiting a site.
- When users want to search, it helps in finding quick links of user’s relative queries.
- To help users locate key items, short list of recent features it is the homepage that supplements user with the links to a permanent archive important documents and folders.

1.2 Software and Hardware tools required for Project:

Software:

- **HTML**

HTML stands for Hyper Text Markup Language**.** It is the standard markup language for creating Web pages**.** It describes the structure of a Web page**.** It consists of a series of elements. HTML elements tell the browser how to display the content**.** HTML elements label pieces of content such as “heading", "paragraph", "link", etc.

Hypertext Markup Language (**HTML**) is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

- **CSS**

CSS stands for Cascading Style Sheets. CSS describes how HTML elements are to be displayed on screen, paper, or in other media. CSS saves a lot of work. It can control the layout of multiple web pages all at once. External stylesheets are stored in CSS files.

- **JAVASCRIPT**

JavaScript often abbreviated as **JS**, is a scripting language that enables you to create dynamically updating content, control multimedia, animate images, and pretty much everything else.. JavaScript is high-level, often just-in-time compiled, and multi-paradigm. It has dynamic typing, prototype-based object-orientation, and first-class functions. is one of the core.

Alongside HTML and CSS, JavaScript technologies of the World Wide Web. JavaScript enables interactive web pages and is an essential part of web applications.

The vast majority of websites use it for client-side page behavior, and all major web browsers have a dedicated JavaScript engine to execute it.

- **PHP**

PHP is a general-purpose scripting language that is especially suited to web development. It was originally created by Danish-Canadian programmer Rasmus Lerdorf in 1994; the PHP reference implementation is now produced by The PHP Group. PHP originally stood for Personal Home Page,[7] but it now stands for the recursive initialism PHP: Hypertext Preprocessor.

- **MY SQL**

SQL is a standard language for accessing and manipulating databases. SQL stands for StructuredQuery Language. SQL lets you access and manipulate databases. SQL became a standard of the American National Standards Institute (ANSI) in 1986, and of the International Organization for Standardization (ISO) in 1987.

SQL can execute queries against a database, retrieve data, insert records in a database, update records, delete records, create new databases, create new tables in a database, create stored procedures in a database, create views in a database, set permissions on tables, procedures, and views.

Hardware:

- Processor (CPU) with 2 gigahertz (GHz) frequency or above.
- A minimum of 2 GB of RAM.
- Monitor Resolution 1024 X 768 or higher
- A minimum of 20 GB of available space on the hard disk. Internet Connection Broadband (high-speed) Internet connection with a speed of 4 Mbps.

CHAPTER: 2

SCOPE AND TECHNOLOGY

2.1 Scope of Project:

The essence idea of the Home page is to put user's needs first and thus we have added a lot of links making it both user friendly and eye catching. User can easily search their respective fields and enjoy other relative offers.

The project is totally built at administrative end and thus only the administrator is guaranteed to access and manage database where User information is stored along with password needed to log in. It can also track all details about no. of users logging in system also if an email ID is already existing or not in the system and inform the user about the same.

The purpose of this project is to build an exact lookalike of already existing website to nourish our skills in web designing and handling data using database management system for personal and public use.

2.2 Technology to be used:

- **XAMPP**

XAMPP stands for Cross-Platform (X), Apache (A), MariaDB (M), PHP (P) and Perl (P). Since XAMPP is simple, lightweight Apache distribution it is extremely easy for developers to create a local web server for testing and deployment purposes. Everything you needed is to set up a web server – server application (Apache), database (MariaDB), and scripting language (PHP). XAMPP works equally well on Linux, Mac, and Windows.

- **MYSQL**

MySQL is an open-source relational database management system. Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language. MySQL is free and open-source software under the terms of the GNU General Public License and is also available under a variety of proprietary licenses. MySQL was owned and sponsored by the Swedish company MySQL AB, which was bought by Sun Microsystems This project will run on local server host and a touchscreen which will be connected to each other. PHP language will be used to design and implement a user interface. On the database side, MySQL will be used to design and implement the necessary entities, tables, and relations.

CHAPTER: 3

METHODOLOGY

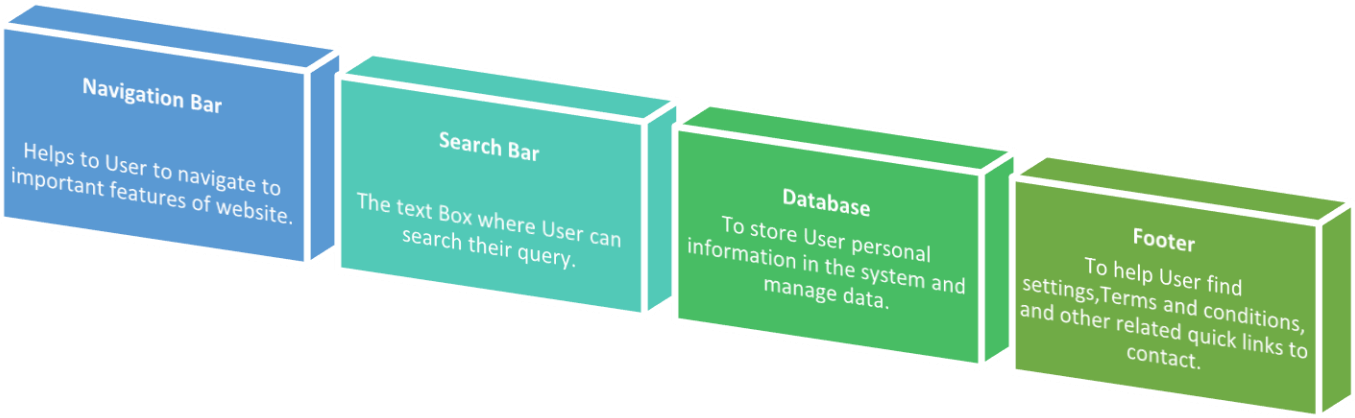
3.1 Project Design

This describes the proposed system, explaining how modules and components integrate and communicate to bring about the working application of the proposed system. The website design is developed to satisfy the requirement of modern system architecture including computational structures and model training algorithms. The website design will also capture the major functional building blocks needed to understand the process of building a system.

Basic Structure of the Home page:

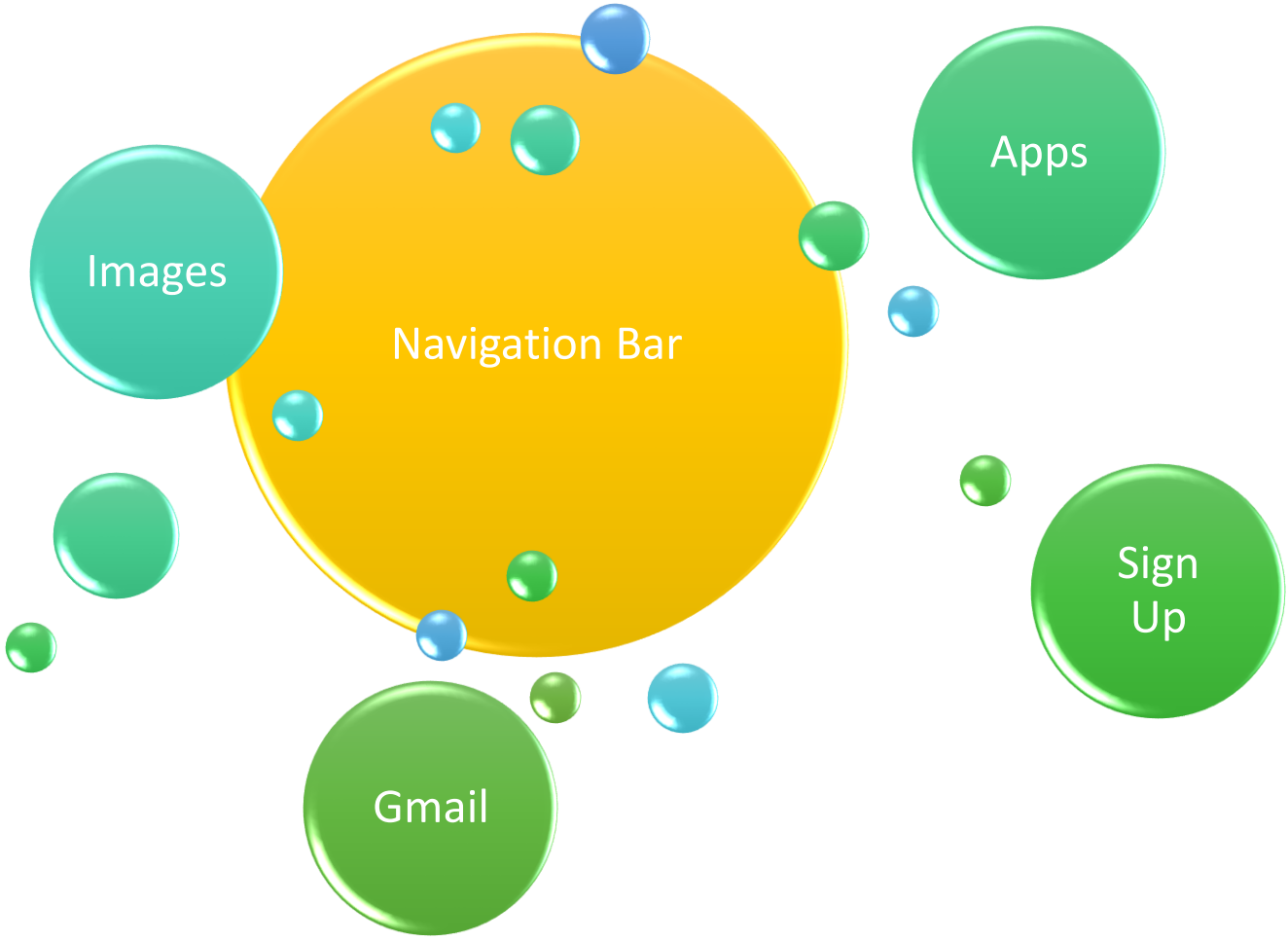
The Home page consists of following sections :

- **Navigation Bar**
- **Search Bar**
- **Footer**
- **Database**



The Navigation Bar contains:

Helps to User to navigate to important features of website.

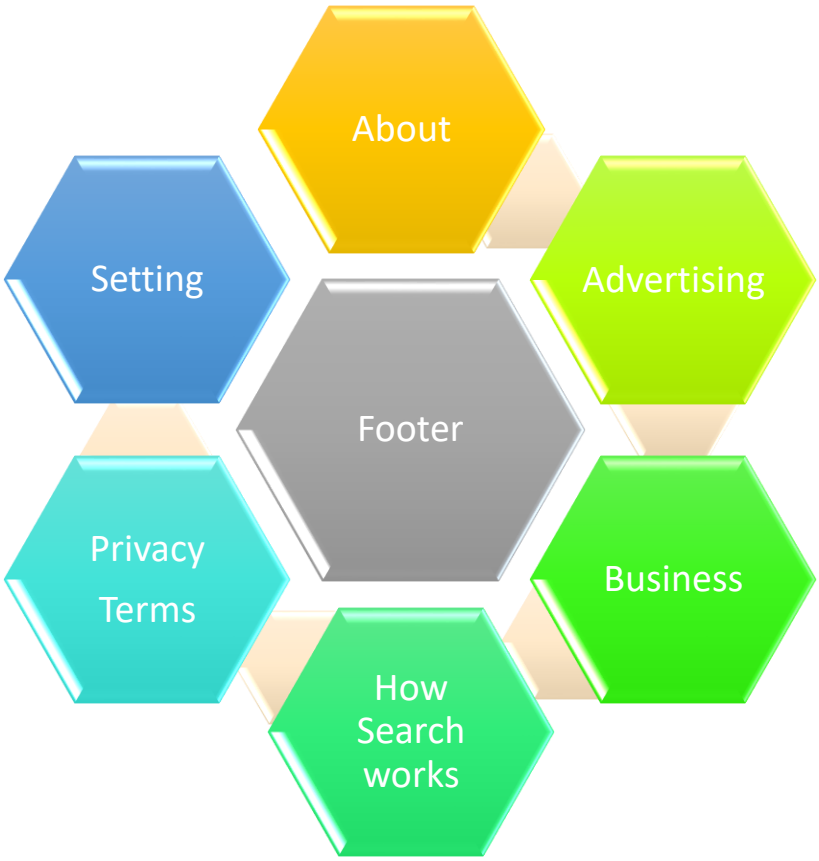


Database :

The User first need to enter personal information to sign up and can log in. The information be stored at the admin side in database in a tabular format.

Footer:

To help User find settings, Terms and conditions, and other related quick links to contact.



3.2 Model Approach

- **INTERFACE REQUIREMENTS**

SOFTWARE INTERFACE :

- Windows 8/10.
- 4 GB ram / 256GB HDD
- MySQL

- Html
- JavaScript & PHP

Several materials are used to build this project . Certain software interfaces are used like window 8/10 , 4GB ram/ 255GD HDD , MySQL . Technologies are also used like JavaScript for development of the project. MySQL is used as free open-source database to store the data .

3.3 Teamwork

- FRONTEND: Gursewak Singh, Nitya Patyal
- BACKEND: Priyanshu Ladha, Dev Maheshwari

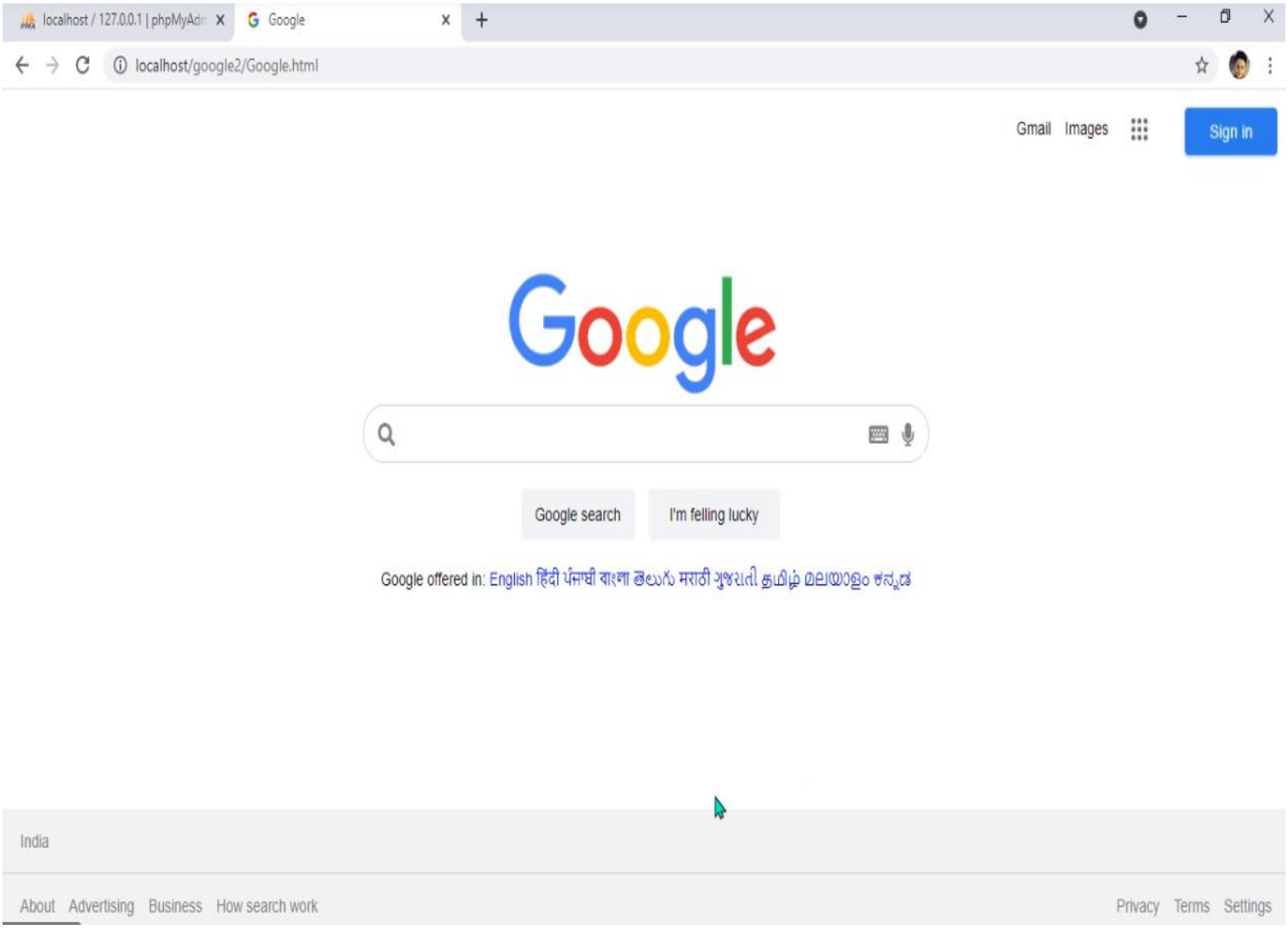
CHAPTER: 4
RESULTS AND SNAPSHOTS

4.1 Results

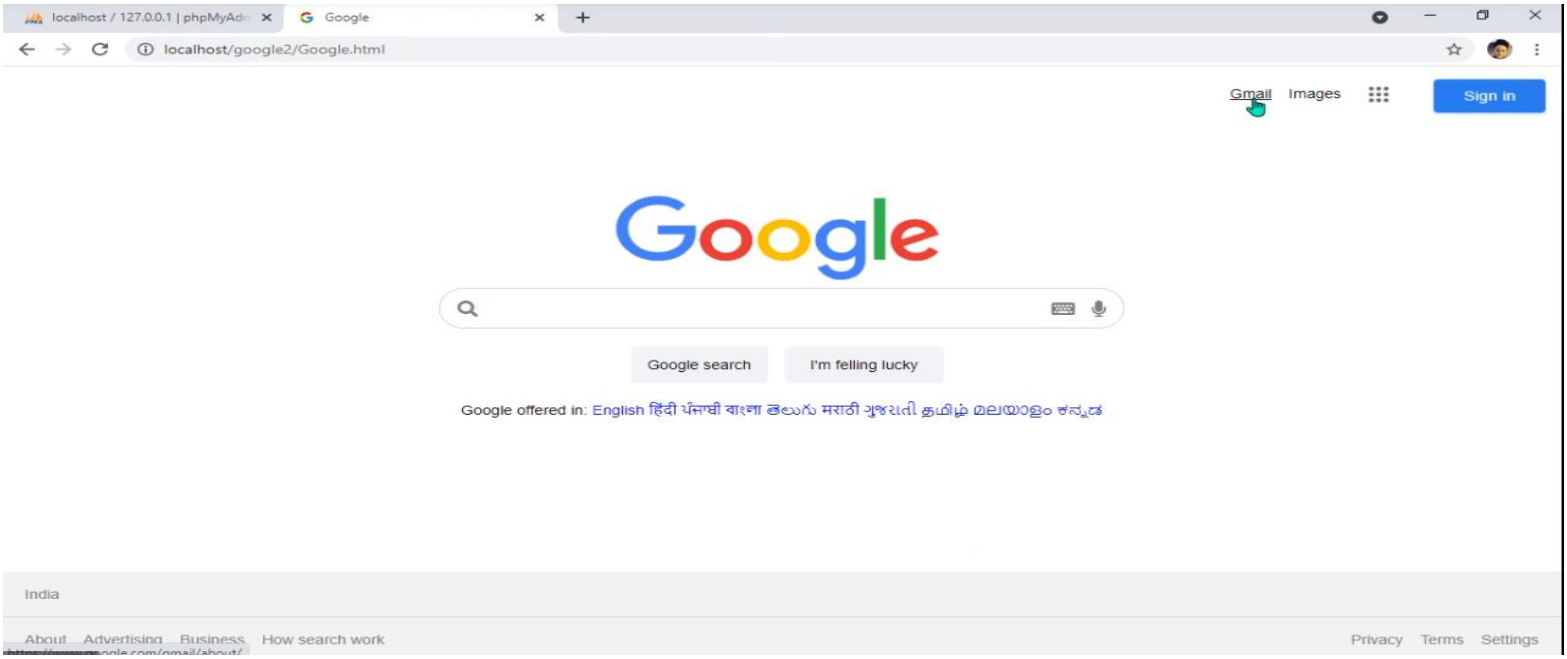
Therefore, after implementing all the mentioned software tools along with code, we finally get full-fledge Home Page where Users can search respective fields and enjoy other applications as well.

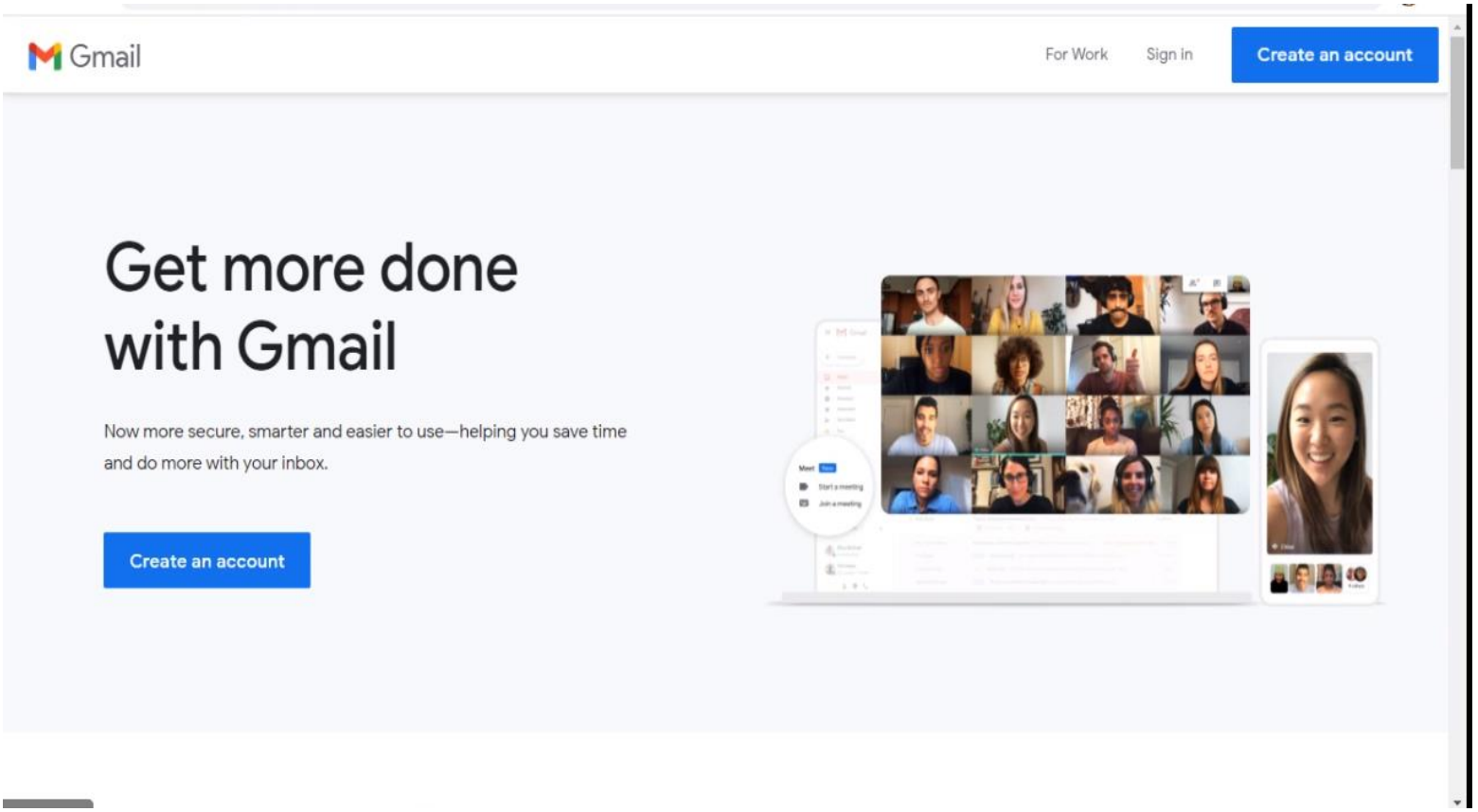
4.2 Snapshots

- *Home Page:*

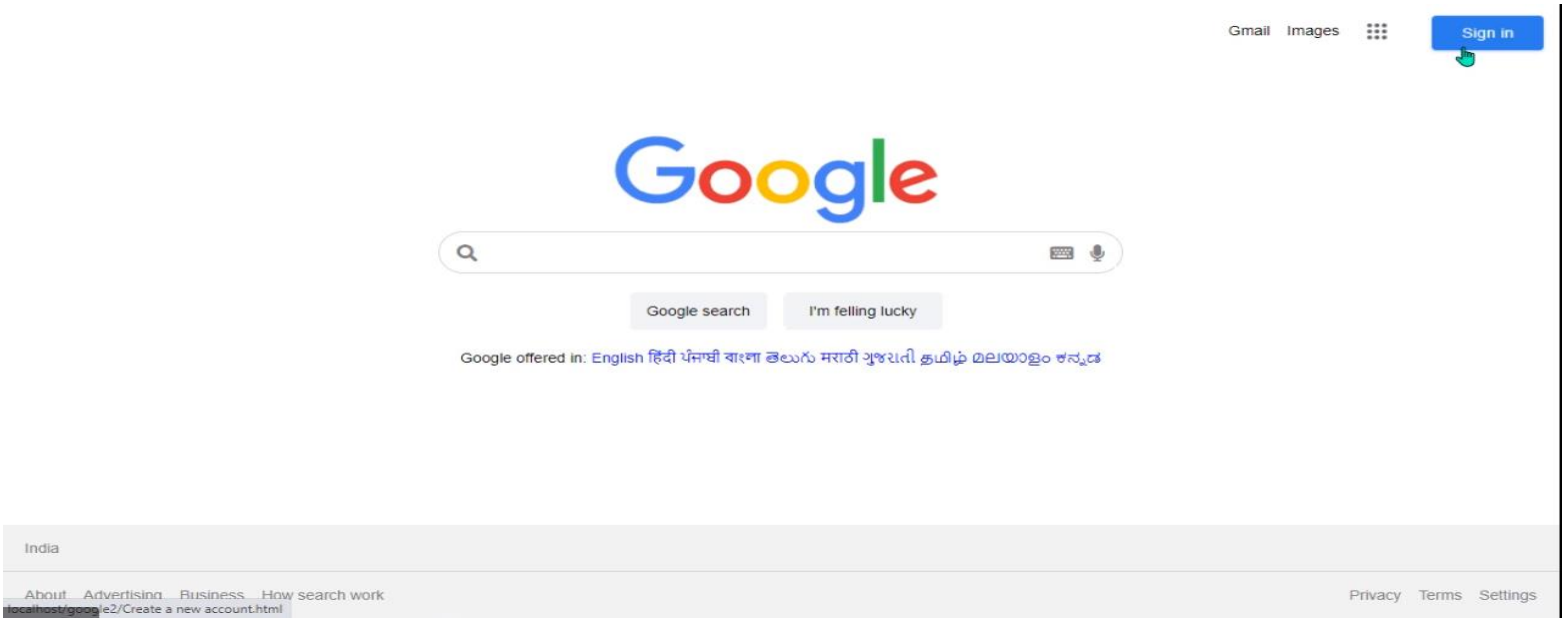


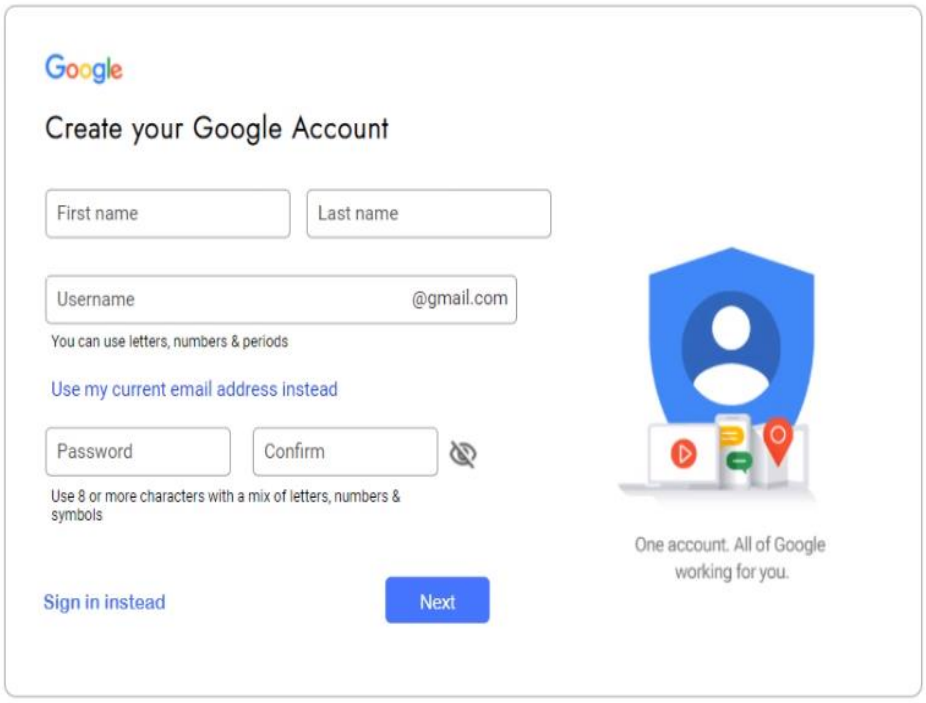
- *On click Gmail (In Navigation Bar):*



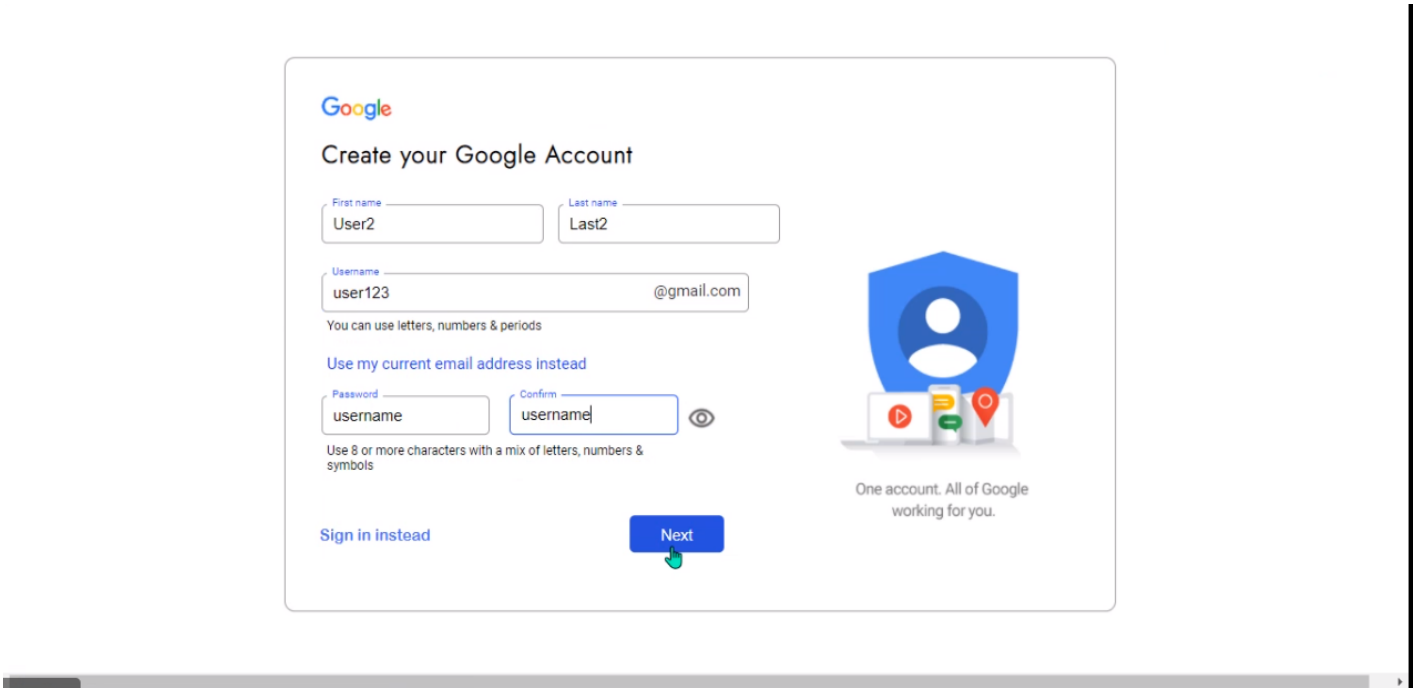


- *On click Sign in:*

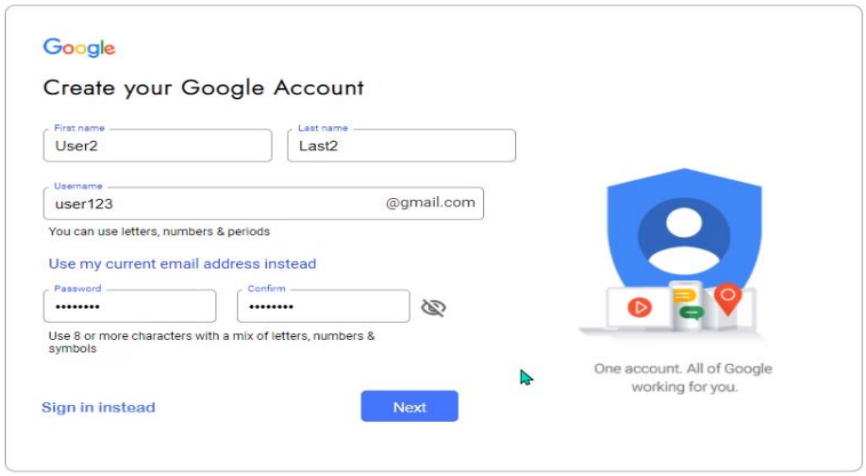




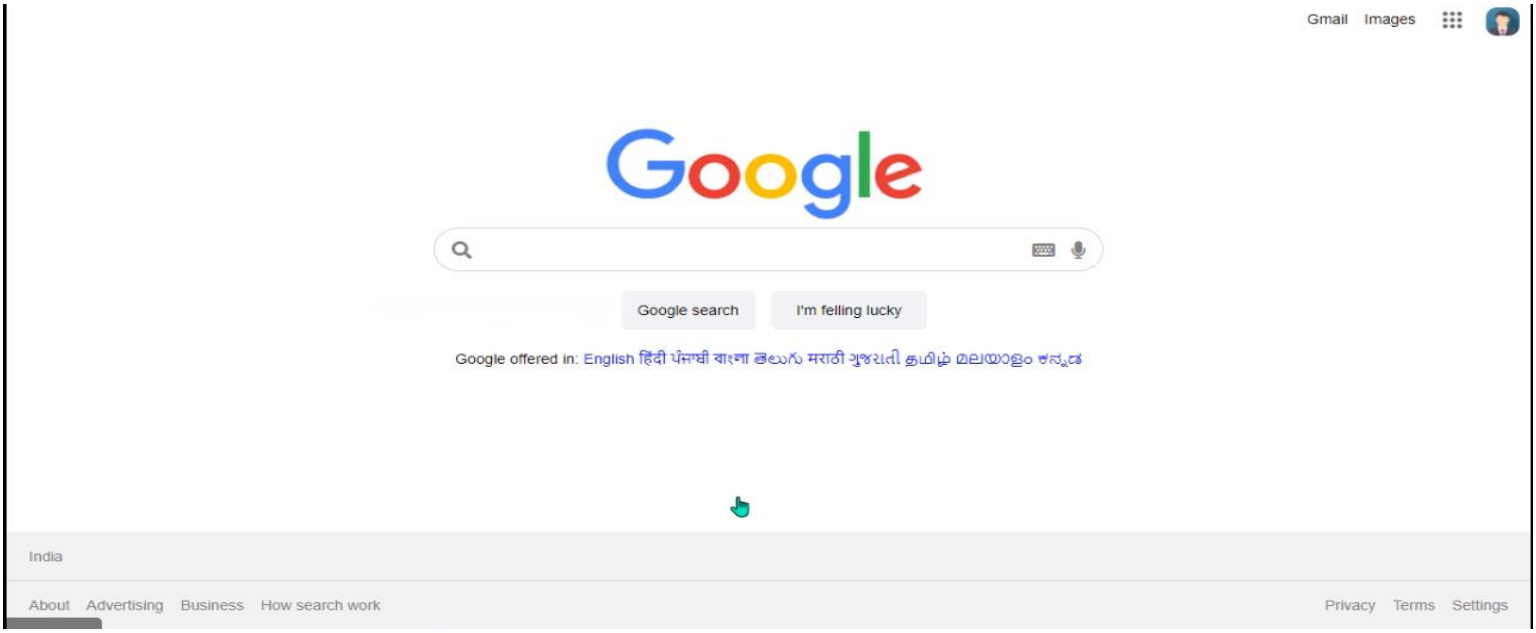
- *On filling details:*



- *Hidden password:*

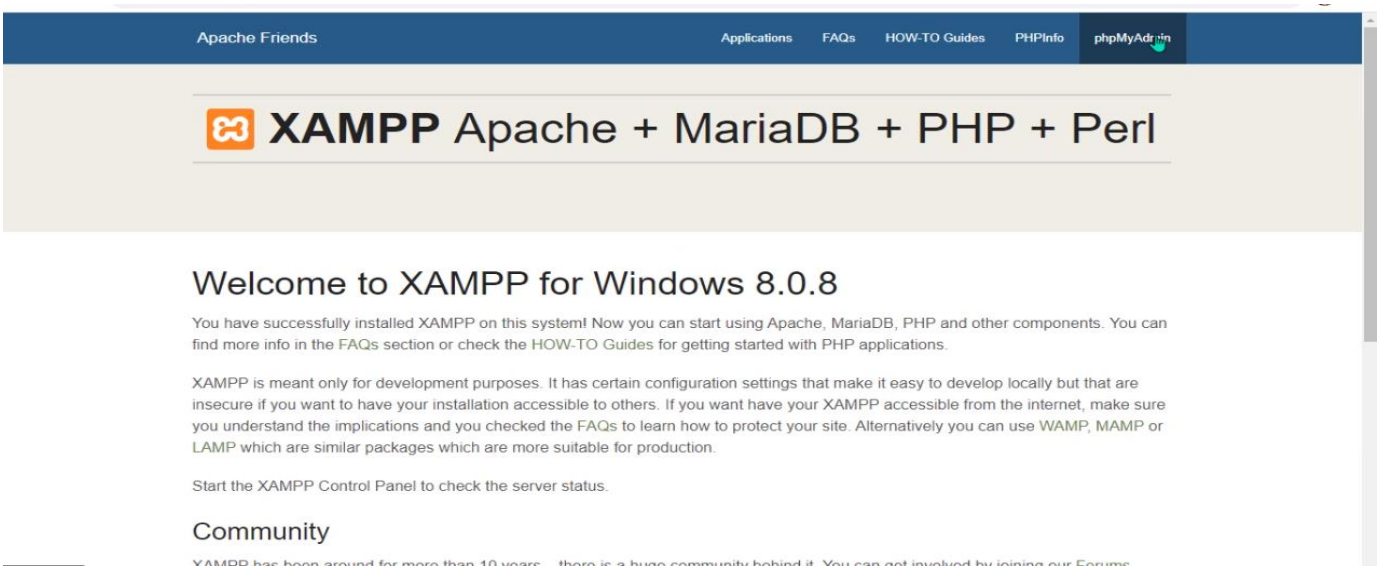


- *Opening a new logged in page (having a picture in the navigation bar)*



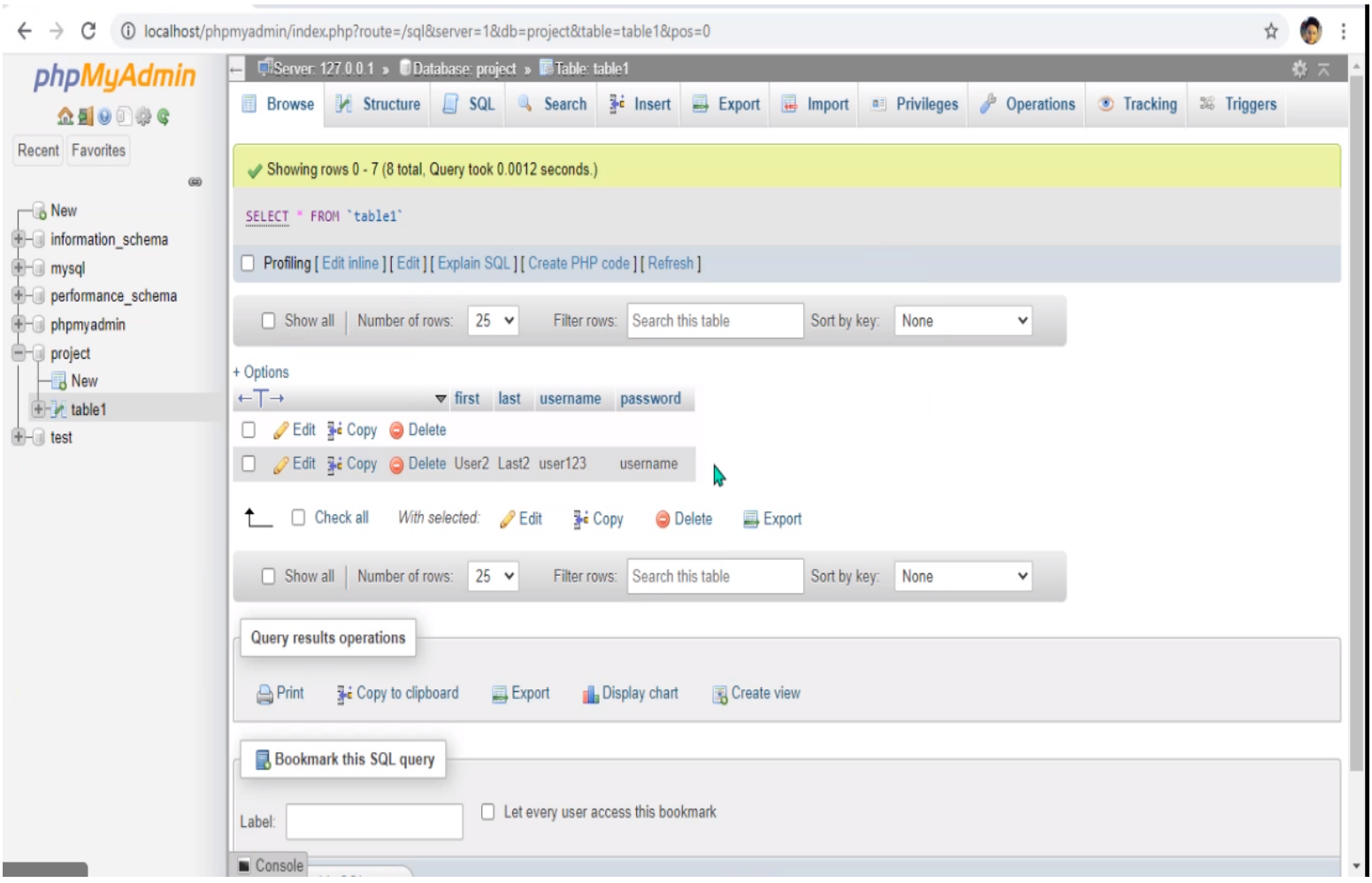
- *Window alert on creating an similar account already existing in the database.*

- *XAMPP for Connecting Database to web page:*

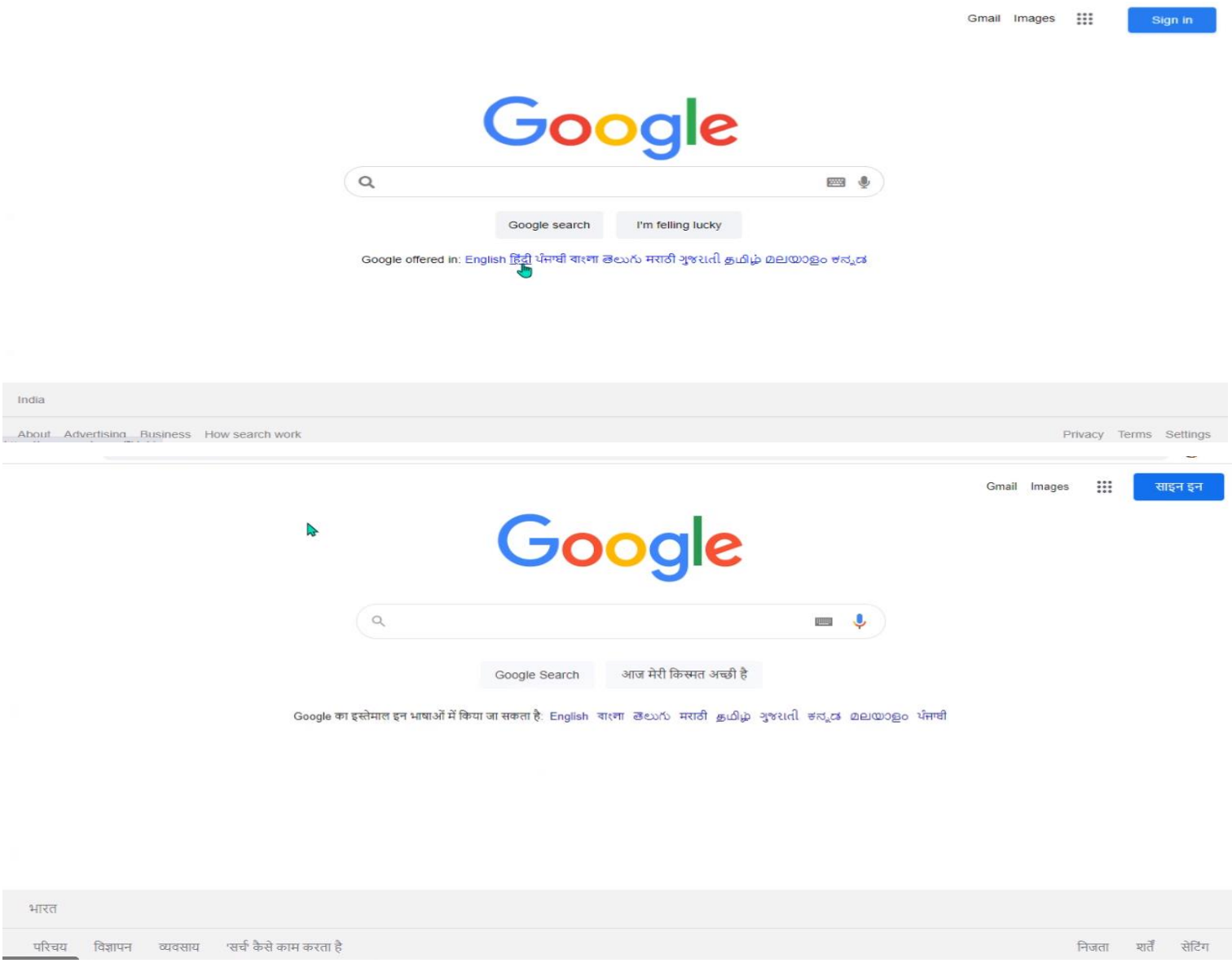


- *Using Apache as an interface between web page and MySQL*

- *Database Table:*

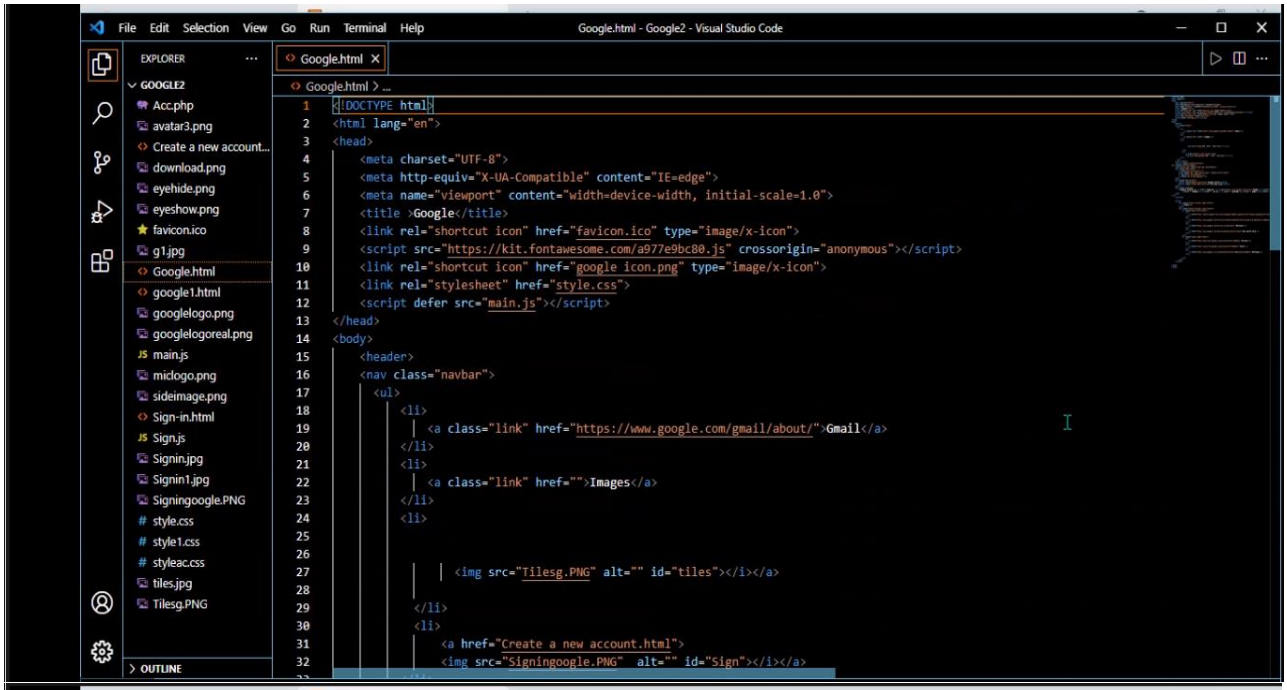


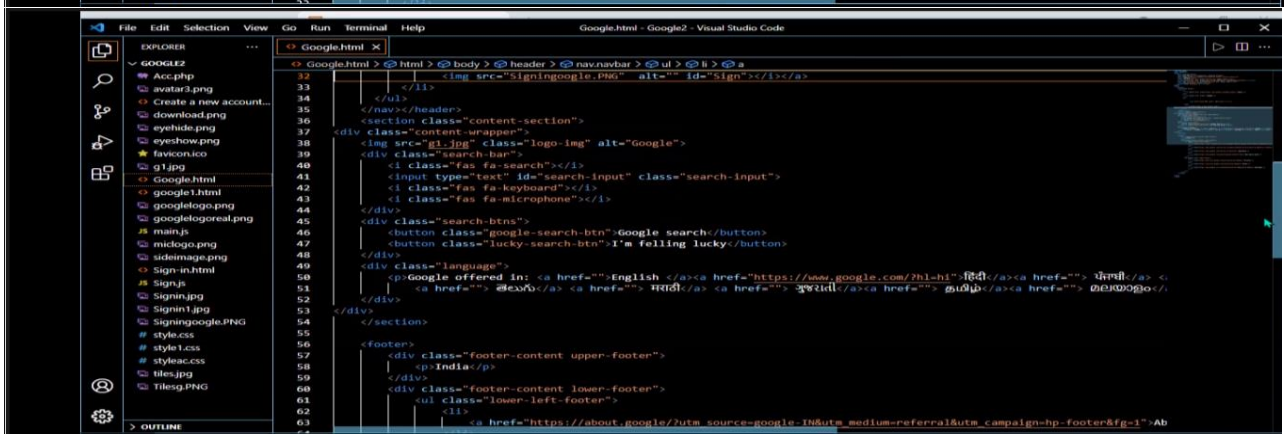
- *Google Home page in other regional languages:*



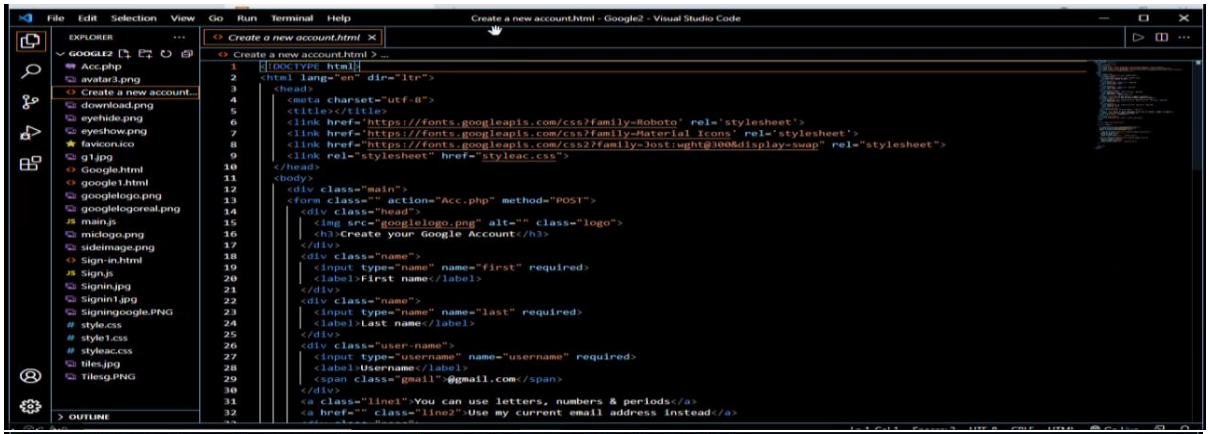
- *Google APPS*

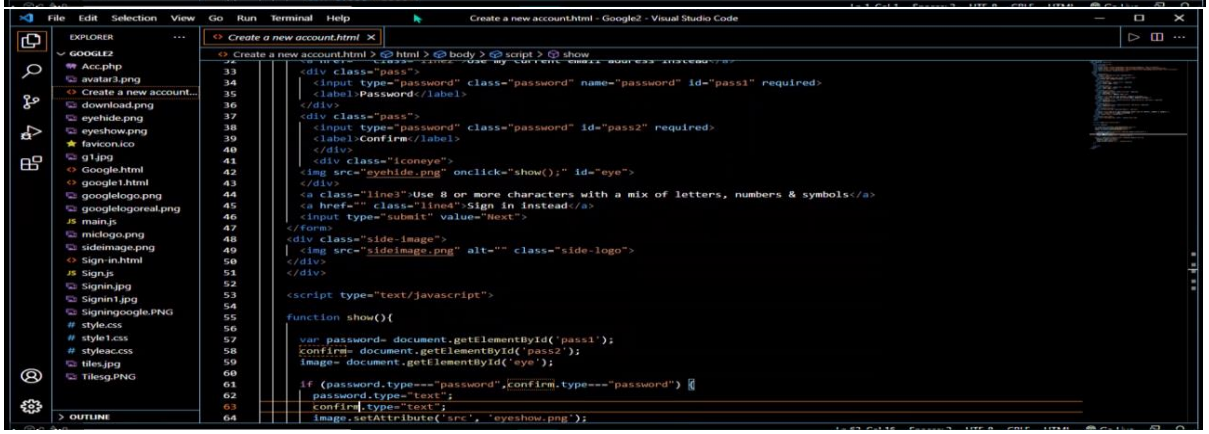
- *Code for Hope page in HTML*





- *Code for Sign up page:*





- *Code:*
  For database connectivity:

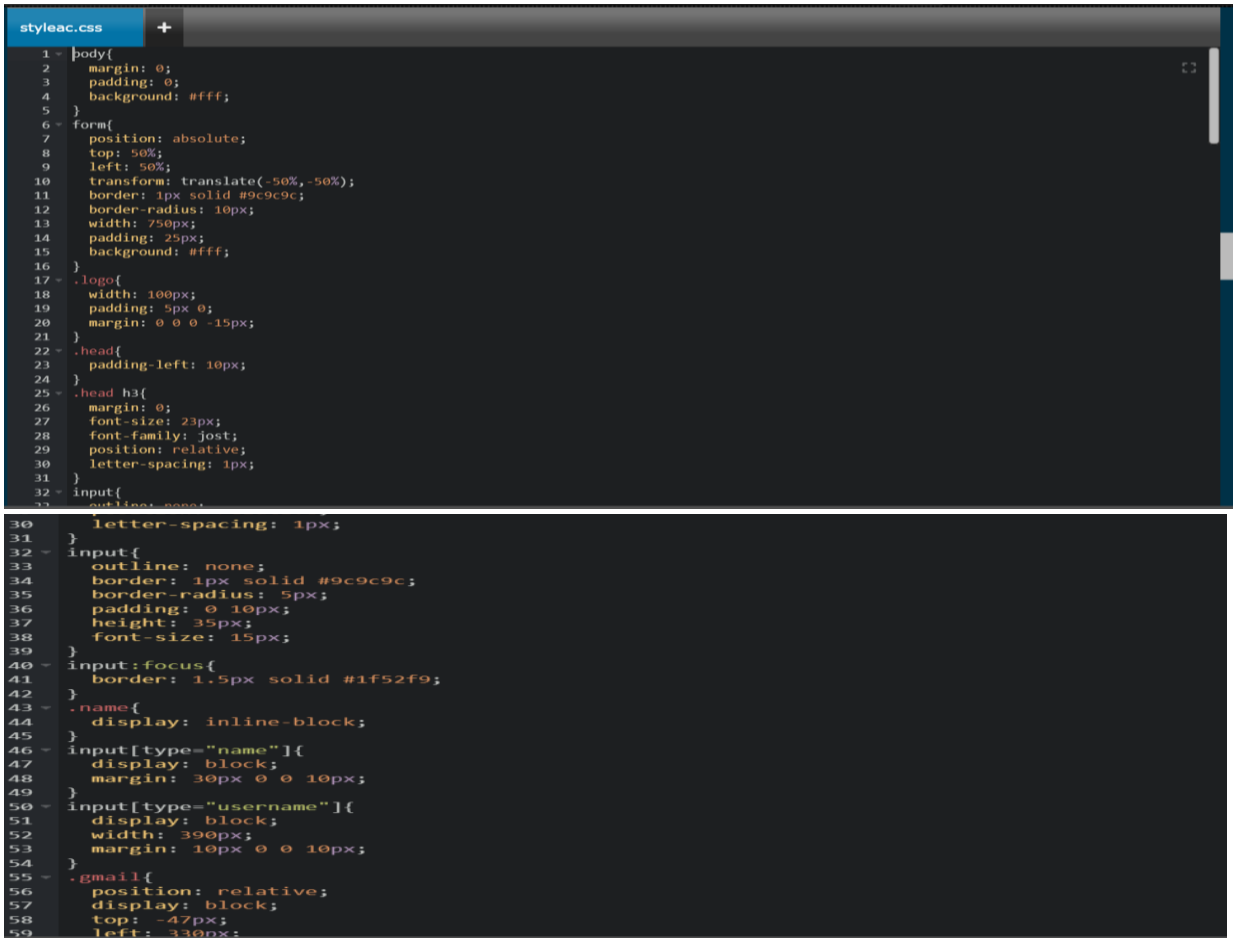
- *Code:*
  For search base in JavaScript

```
const searchInput = document.querySelector("#search-input");

searchInput.addEventListener("keydown",function(event)
{
    if(event.code === "Enter"){
        search();
    }
});

function search(){
    const input = searchInput.value;
    window.location.href="https://www.google.com/search?q=" + input + "&rlz=1C1CHBF_enIN923IN923&oq=" + input + "&aqs=chrom
}
```

- *Code:*
  CSS external stylesheets:



```
body{
  margin: 0;
  padding: 0;
  background: #fff;
}
form{
  position: absolute;
  top: 50%;
  left: 50%;
  transform: translate(-50%,-50%);
  border: 1px solid #9c9c9c;
  border-radius: 10px;
  width: 750px;
  padding: 25px;
  background: #fff;
}
.logo{
  width: 100px;
  padding: 5px 0;
  margin: 0 0 0 -15px;
}
.head{
  padding-left: 10px;
}
.head h3{
  margin: 0;
  font-size: 23px;
  font-family: jost;
  position: relative;
  letter-spacing: 1px;
}
input{
  outline: none;
  border: 1px solid #9c9c9c;
  border-radius: 5px;
  padding: 0 10px;
  height: 35px;
  font-size: 15px;
}
input:focus{
  border: 1.5px solid #1f52f9;
}
.name{
  display: inline-block;
}
input[type="name"]{
  display: block;
  margin: 30px 0 0 10px;
}
input[type="username"]{
  display: block;
  width: 390px;
  margin: 10px 0 0 10px;
}
.gmail{
  position: relative;
  display: block;
  top: -47px;
  left: 330px;
```

```
    margin:  40px 0 30px 180px;
    cursor: pointer;
    font-size: 15px;
}
input[type="submit"]:hover{
    background: #254fdb;
}
.iconeye{
    display: inline-block;
}
#eye{
    display: block;
    position: relative;
    top: -18px;
    width:27px;
    cursor: pointer;
}
.side-image{
    display: inline-block;
    position: relative;
    top: 50px;
    left: 50%;
    transform: translate(50%,50%);
}
.side-logo{
    width: 230px;
}
```

CHAPTER: 4

CONCLUSION AND FUTURE SCOPE

5.1 Conclusion

Our project is only a humble venture to satisfy the needs to manage the project work. Several user-friendly coding has also been adopted. The objective of the software planning is to provide a framework with a limited project completion time frame at the beginning of the project and should be updated on a regular basis. We expect to broaden the website and if possible, edit the necessary to make it helpful for a company or organisation and help to increase their franchise. A predictable outcome should be to take this website as a steppingstone and build from here on to a chain of innovative websites which hold potential for people interested in them.

5.2 Future Scope

The website has evolved by leaps and bounds since its early beginnings when it was used primarily as an Internet-based marketing brochure.

Today's websites are more advanced and equipped with features that can turn it into an all-in-one business hub.

- Create a backup mechanism for backing up data and information.
- Receive resumes for job seekers and pre-qualify them through an Applicant Tracking System or ATS.
- Provide social proof via testimonials and customer reviews.
- Sell memberships.
- Educate your audience with blogs, e-books, modules, and training manuals, provide feeds.
- Give your audience an interactive experience with the use of 360-degree images and videos.
- Provide customer support channels via chat, email, or built-in forms.
- Give clear-cut information about your business including a location map, directions, phone numbers, and email addresses.
- We can give more advance software for online and add more facilities.
- We can also add option of online marketing in the future.
- Integrate multiple load balancers to distribute the load of system.

References

- 21 Benefits of a Website for a Small Business | Mountaintop Web Design
- MySQL and JSON: A Practical Programming Guide
  By David Stokes
- The Joy of PHP Programming: A Beginner's Guide to Programming Interactive Web Applications with PHP and MySQL
- Eloquent JavaScript: A Modern Introduction to Programming
- HTML 101: The Essential Beginner's Guide to Learning HTML Coding
- Google Homepage (codepen.io)