DISTRACT FREE GEEK

A PROJECT REPORT

Submitted by

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in partial fulfillment for the award of the degree of

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IN

Computer Engineering and Application

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BONAFIDE CERTIFICATE

Certified that this project report **"DISTRACT FREE GEEK"** is the bonafide work of "**PRAJJWAL SRIVASTAVA, RISHABH RASTOGI AND ROHIT SAXENA"** who carried out the project work under my/our supervision.

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Submitted for the project viva-voce examination held on

INTERNAL EXAMINER

EXTERNAL EXAMINER

ACKNOWLEDGEMENT

It gives us a great sense of pleasure to present the synopsis of the B.Tech mini project undertaken during B.Tech III Year. This project is going to be an acknowledgement to the inspiration, drive and technical assistance will be contributed to it by many individuals. We owe special debt of gratitude to Mohd. Amir Khan, Technical Trainer, for providing us with an encouraging platform to develop this project, which thus helped us in shaping our abilities towards a constructive goal and for his constant support and guidance to our work. His sincerity, thoroughness and perseverance have been a constant source of inspiration for us. We believe that he will shower us with all his extensively experienced ideas and insightful comments at different stages of the project & also taught us about the latest industry-oriented technologies. We also do not like miss the opportunity to acknowledge the contribution of all faculty members of the department for their kind guidance and co-operation.

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ABSTRACT

The goal of this initiative is to address the issue of pupils (especially for coders).

We can use the built-in website to create a unique login and study from top mentors' videos without interruptions.

This project will give students access to a user-friendly environment where they may study without being interrupted by irrelevant suggestions, pop-up subscription messages, alert messages for leisure films, or irrelevant commercials. Modules like the login system, database system, and webpage are included (the user-friendly UI).

CHAPTER 1

INTRODUCTION

1.1. Client Identification/Need Identification/Identification of relevant Contemporary issue

Our client is every student (especially CSE students) who wish to acquire new skills in fields of technicality and choose to watch video content to learn about it.

1.2. Identification of Problem

When we used to watch video content on most famous you tube but due to a lot of commercials present over there which are very irr-relevant we are unable to focus and concentrate.

1.3. Identification of Task

We should be able to provide a platform where person could sit for hours watching the videos of his choice without any irr-relevant suggestion and advertisements, so he/she/they get a distraction free environment.

1.4. Timeline

TASK/PERIOD	Apr 3-8	Apr 9-10	Apr 11-13	Apr 14-24	Apr 25-26
Project Selection					
Mentor Allocation					
Project Planning					
Prototype and Designing					
Documentation					

Figure 1.4

1.5.Organization of the Report

CHAPTER 2

DESIGN FLOW/PROCESS

2.1. Evaluation & Selection of Specifications/Features

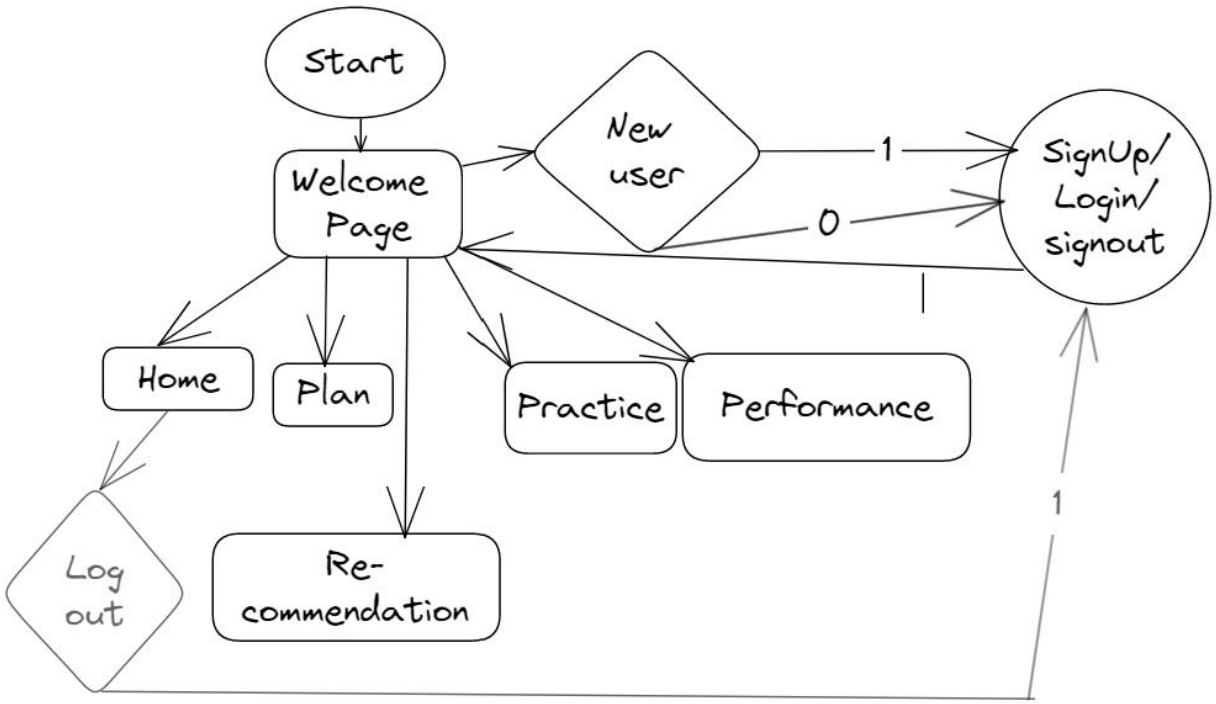

Figure 2.1

2.2.Evaluation & Selection of Specifications/Features Explanation

When we start the project we get to see the welcome page .After the welcome page just below it we can see the frequently asked question tab where there are certain questions, generally the users have the doubt about. They are preset at different tabs whichever question you like you can read a pre defined answer about that section. It also includes a section of sending us a feedback where the users can write a feedback about what they like/dislike about the website and we can work on that. The data will be stored in our database.

Then coming to login section, if you are a new user you have to first sign up and make a new account and once signed up you can log in to your account. And access the various pages on the website.

CHAPTER 3

TECHNOLOGIES USED

Figure 3.1

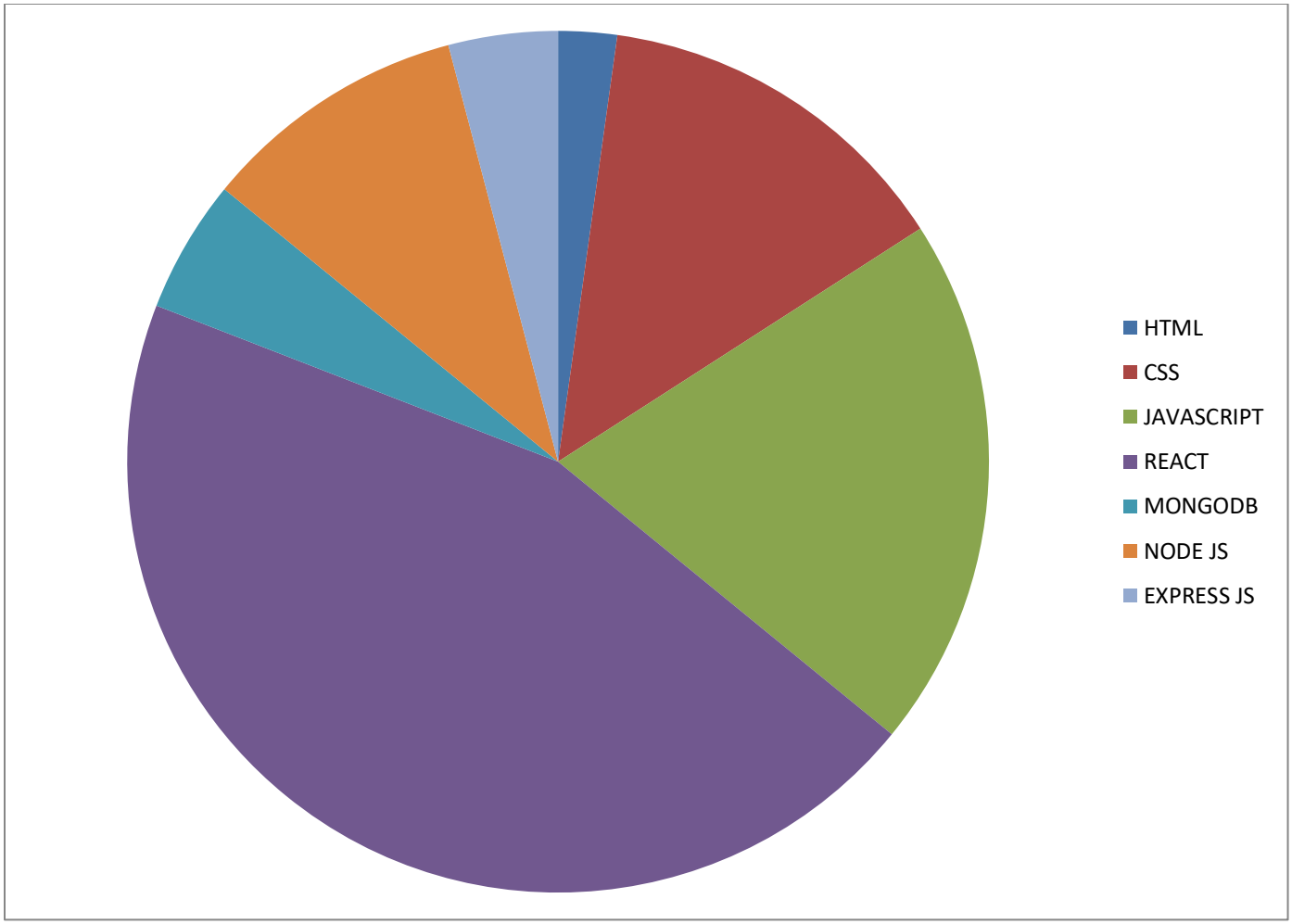

Figure 3.2

3.1 HTML

HTML, which stands for Hypertext Markup Language, is a standard markup language used to create and structure web pages. It provides the basic building blocks for creating content on the internet, including text, images, links, and other multimedia elements. HTML is the foundation upon which

websites are built, and it plays a crucial role in the development of any web project.

HTML is a highly versatile language that allows developers to create dynamic and interactive web pages with ease. It can be used to create anything from a simple static webpage to a complex web application. The language is easy to learn and use, making it accessible to developers of all skill levels. With HTML, developers can create web pages that are accessible, responsive, and user-friendly.

One of the primary benefits of using HTML in a project is its ability to create structure and organization. HTML provides a clear and consistent way to mark up content, making it easy for search engines and screen readers to understand the information on a page. Additionally, HTML allows developers to separate the content from the design, making it easier to maintain and update a website over time.

Another benefit of using HTML is its compatibility with other web technologies. HTML can be combined with CSS (Cascading Style Sheets) to control the visual appearance of a webpage, and with JavaScript to add interactivity and functionality. This makes it possible to create highly customized web pages and applications that meet the unique needs of a particular project.

In conclusion, HTML is a fundamental building block of the web, providing the structure and organization needed to create engaging and user-friendly web pages. Its ease of use and compatibility with other web technologies make it an essential tool for developers working on any web project. Whether you're building a simple website or a complex web

application, HTML is an essential tool that can help you create the best possible user experience for your audience.

3.2 CSS

CSS, which stands for Cascading Style Sheets, is a language used to describe the visual presentation of a web page. CSS allows developers to control the layout, typography, colors, and other visual elements of a web page, making it an essential tool for creating aesthetically pleasing and user-friendly websites.

CSS provides a powerful and flexible way to control the visual appearance of a web page. By separating the content from the presentation, CSS allows developers to create websites that are easy to maintain and update. With CSS, developers can control the layout of a web page, including the placement of elements such as text, images, and forms. They can also specify the font family, size, and color, and control the spacing between text and other elements.

One of the key benefits of using CSS in a project is its ability to provide a consistent look and feel across a website. By defining styles for different elements, such as headings, paragraphs, and links, developers can ensure that all pages on a website have a consistent appearance. This helps to create a cohesive and professional-looking website that is easy for users to navigate.

Another benefit of using CSS is its ability to make a website more accessible. By separating the content from the presentation, developers

can create websites that are optimized for screen readers and other assistive technologies. This helps to ensure that users with disabilities can access and interact with the content on a website.

Finally, CSS is an essential tool for creating responsive websites that work well on a range of devices, including desktops, laptops, tablets, and smartphones. By using CSS to control the layout and presentation of a web page, developers can create websites that adapt to the size and orientation of the user's screen. This helps to ensure that the website looks good and is easy to use, regardless of the device being used to access it.

In conclusion, CSS is an essential tool for creating visually appealing and user-friendly websites. By separating the content from the presentation, CSS allows developers to create websites that are easy to maintain, consistent in appearance, and accessible to all users. Whether you're building a simple website or a complex web application, CSS is an essential tool that can help you create a great user experience for your audience.

3.3 JAVASCRIPT

JavaScript (JS) is a high-level programming language that is commonly used to add interactivity and functionality to web pages. It is an essential tool for web developers who want to create dynamic and engaging websites.

JS can be used to create a wide range of interactive features, such as drop-down menus, image sliders, and pop-up windows. It can also be used to perform complex calculations, validate user input, and interact

with web APIs. With JS, developers can create web applications that are highly responsive and user-friendly.

One of the key benefits of using JS in a project is its ability to add interactivity to a website. By using JS to control the behavior of a web page, developers can create dynamic and engaging user experiences. For example, JS can be used to create interactive forms that validate user input in real-time, or to create animated effects that respond to user interactions.

Another benefit of using JS is its ability to interact with web APIs. By using JS to make HTTP requests to web APIs, developers can retrieve and manipulate data from external sources. This can be useful for creating applications that rely on external data, such as weather forecasts, stock prices, or news headlines.

JS is also an essential tool for creating responsive websites that work well on a range of devices. By using JS to control the layout and behaviour of a web page, developers can create websites that adapt to the size and orientation of the user's screen. This helps to ensure that the website looks good and is easy to use, regardless of the device being used to access it.

In conclusion, JavaScript is an essential tool for creating dynamic, interactive, and responsive web applications. Its ability to add interactivity, interact with web APIs, and create responsive websites makes it a crucial tool for any web developer. Whether you're building a simple website or a complex web application, JS is an essential tool that can help you create a great user experience for your audience.

3.4 REACT

React is a JavaScript library that is widely used for building user interfaces for web applications. Developed by Facebook, React has become one of the most popular front-end development frameworks, and it is widely used in web development projects.

React is useful in a project because it allows developers to build complex user interfaces with ease. By using React, developers can create reusable UI components that can be combined to create a variety of different layouts and user experiences. This makes it easier to build scalable and maintainable web applications.

One of the key features of React is its ability to provide real-time updates to the user interface. By using a technique called "virtual DOM," React can update the user interface without having to reload the entire page. This helps to create a seamless user experience that is faster and more responsive than traditional web applications.

Another benefit of using React in a project is its ability to work with other JavaScript libraries and frameworks. React is designed to be modular and can be easily integrated with other libraries and frameworks, such as Redux, React Router, and Axios. This allows developers to build powerful and complex web applications that can meet the needs of their users.

React is also useful in a project because it is highly customizable. React provides a rich set of tools and features that allow developers to customize the behaviour and appearance of their user interfaces. With React, developers can create unique and engaging user experiences that are tailored to the needs of their users.

In conclusion, React is a powerful and flexible JavaScript library that is useful in a wide range of web development projects. Its ability to provide real-time updates, work with other libraries and frameworks, and provide a high degree of customization makes it an essential tool for building scalable and maintainable web applications. Whether you're building a small website or a large web application, React is a valuable tool that can help you create a great user experience for your audience.

3.5 MONGO DB

MongoDB is a popular NoSQL document-oriented database that provides a flexible, scalable, and high-performance solution for handling unstructured or semi-structured data. It stores data in JSON-like documents with dynamic schemas, making it easy to store and retrieve complex data structures. Unlike traditional relational databases, MongoDB does not require a fixed schema or predefined tables to store data, which makes it ideal for handling large volumes of rapidly changing data.

MongoDB is useful in projects because of its many benefits. Here are some of the key advantages of using MongoDB:

Scalability: MongoDB is designed to scale horizontally across multiple servers, allowing it to handle large amounts of data and high traffic volumes.

Flexibility: MongoDB's dynamic schema allows developers to easily add, remove, or modify fields in the database without downtime or schema migrations.

Performance: MongoDB's architecture and indexing system enable fast queries and data retrieval, even with large datasets.

Availability: MongoDB provides built-in replication and failover capabilities, ensuring high availability and data redundancy.

Integration: MongoDB can be easily integrated with a wide range of programming languages and tools, including popular frameworks like Node.js, Python, and Java.

Analytics: MongoDB also supports advanced analytics and data processing features, such as aggregation pipelines and map-reduce, making it a powerful tool for data analysis and visualization.

Overall, MongoDB is a versatile and powerful database solution that offers many advantages for projects of all sizes and complexities. Whether you're building a web application, handling real-time data

feeds, or managing large datasets, MongoDB provides a flexible, scalable, and high-performance option for your data storage needs.

3.6 NODE JS

Node.js is an open-source, cross-platform, back-end JavaScript runtime environment that allows developers to build fast and scalable applications. Node.js uses an event-driven, non-blocking I/O model that makes it highly efficient for building real-time applications, especially those that involve large amounts of data.

Node.js is useful in a project in several ways. Here are some of them:

1. High performance: Node.js is built on the V8 JavaScript engine, which is the same engine used by Google Chrome. This makes Node.js highly efficient and allows it to handle a large number of requests without affecting the performance of the application.

2. Scalability: Node.js is highly scalable, which means it can handle a large number of connections simultaneously without slowing down. This makes it ideal for building applications that need to handle a large amount of traffic.

3. Single language: With Node.js, developers can use JavaScript on both the front-end and back-end, making it easy to develop full-stack applications using a single language.

4. Large community: Node.js has a large and active community of developers who contribute to the development of various libraries and modules. This makes it easy for developers to find solutions to their problems and improve the quality of their applications.

5. Easy to learn: Node.js is easy to learn for developers who already know JavaScript. This makes it easy to get started with building back-end applications without having to learn a new language.

In conclusion, Node.js is a powerful tool that can help developers build fast, scalable, and efficient applications. Its ease of use and large community make it an attractive choice for developers who want to build full-stack applications using a single language.

3.7 EXPRESS JS

Express.js is a popular open-source web application framework built on top of Node.js. It provides a set of tools and utilities for building web applications and APIs in Node.js. Express.js is known for its simplicity, flexibility, and scalability, and it is widely used by developers to build web applications, APIs, and microservices.

Express.js is useful in projects because of its many benefits. Here are some of the key advantages of using Express.js:

Simplicity: Express.js is a lightweight framework that provides a simple and intuitive API for building web applications and APIs. It has a minimalist design philosophy that emphasizes simplicity and ease-of-use.

Flexibility: Express.js is highly flexible and customizable, allowing developers to build web applications and APIs that meet their specific needs. It provides a modular architecture that allows developers to use only the components they need and replace or extend them as needed.

Scalability: Express.js is highly scalable and can handle high volumes of traffic and requests. It provides a non-blocking I/O model that enables asynchronous processing and supports clustering for horizontal scaling.

Middleware: Express.js provides a powerful middleware system that allows developers to easily add features and functionality to their web applications and APIs. Middleware functions can be used for a wide range of purposes, such as authentication, logging, error handling, and more.

Routing: Express.js provides a powerful routing system that allows developers to easily define the routes for their web applications and APIs. It supports a wide range of HTTP methods, such as GET, POST, PUT, DELETE, and more.

Integration: Express.js integrates seamlessly with other popular Node.js libraries and tools, such as MongoDB, Socket.io, and more.

Overall, Express.js is a powerful and flexible web application framework that provides a wide range of benefits for developers. It enables developers to build fast, scalable, and customizable web applications and APIs with ease, making it an ideal choice for projects of all sizes and complexities.

CHAPTER 4

PROJECT DESCRIPTION

4.1 MORE ABOUT THE PROJECT

The purpose of this project is to develop a distract free video playing website. The project is divided into 3 modules – profile credential management system, database management system and user interface. The roles of the modules are as follows:

- Profile credential management system: This module deals with the login and password of the user. And enable to generate a new profile (if not exists before) and store them in database. This module is mainly for the data-safety of the users and creating a personalized experience for users.

- Database management system: Stores data of users and their interest and history to have a good recommendation system for the user. This acts as an interface between webpage and database.

•User Interface: This section is mainly visible to the end users where everything at their end will happen and they will get their desired output on feeding the input in the proper arranged format.

4.2 WORKING

New user has to create an account and then login with his email and password. Then will be able to watch the desired videos of their choice, and that too in a distraction free environment, where they will be not get distract by non - interested suggestions and can also put their day to day task. Also has the facility to Recommendation page where top - trending topics for geeks are available to read content about it ,also it has the facility to go on to the top coding practice websites and do practice a lot of questions along with you can get to read about you doubts through our search bar. All in all you will get a study solution to many of you specific problem.

CHAPTER 5

RESULTS ANALYSIS AND VALIDATION

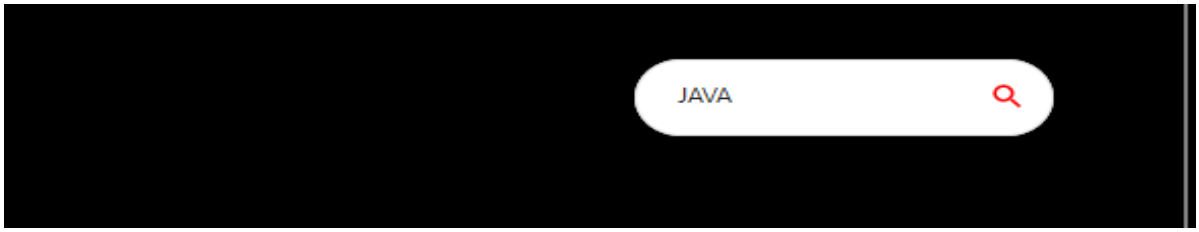

Figure 5.1

Figure 5.2

CHAPTER 6

CONCLUSION AND FUTURE WORK

6.1. CONCLUSION

Through this project we have been able to provide a distraction free environment for the users to watch their knowledge and insightful videos without any irr-relevant commercials acting as a distraction in studying hours.

6.2. FUTURE WORK

We welcome all the suggestion and advice in our project and we will be working on it in near future to improve our project in many different ways.

We have also planned when we will be further moving in the project we will be associating payment gateway links and history sections for our users so that it will become easy for them to use.

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- Mongo DB: https://www.mongodb.com/docs/
- www.google.com
- W3 School: https://www.w3schools.com/

FIGURES

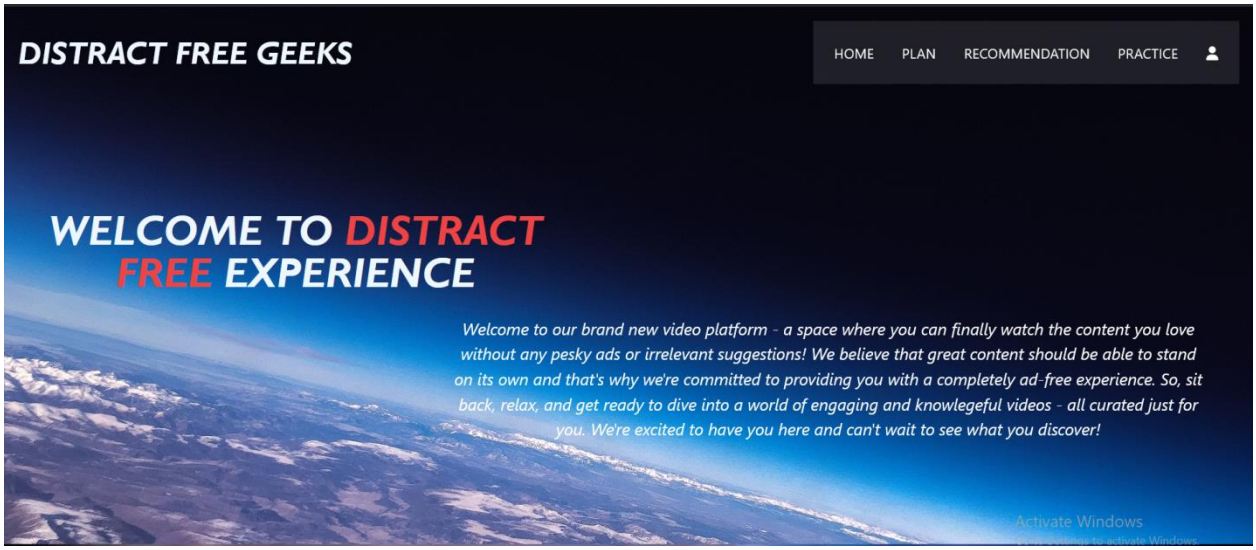
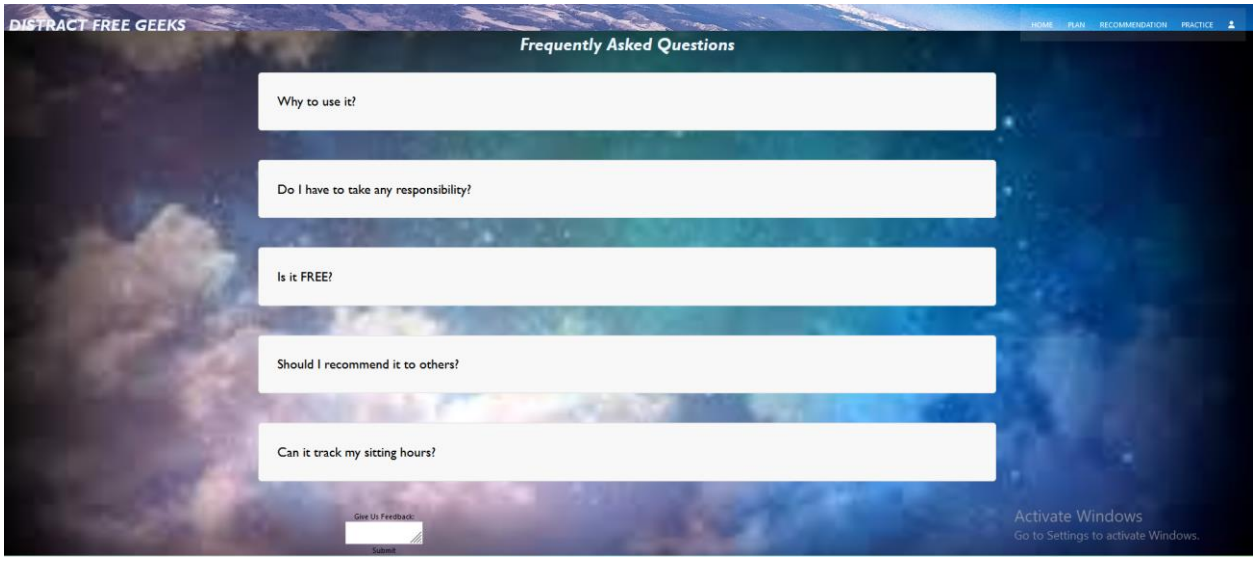


Figure 1



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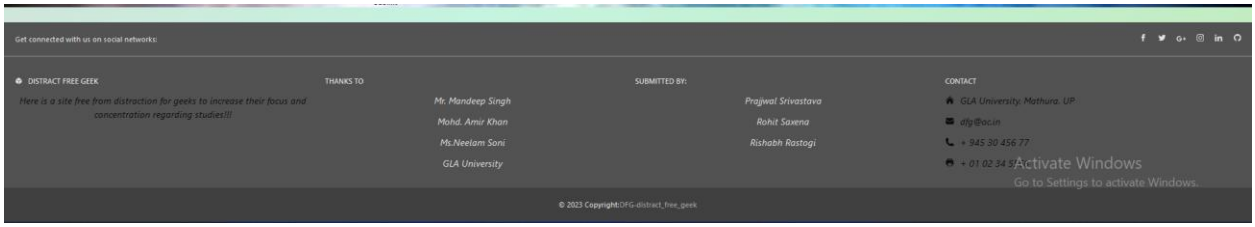

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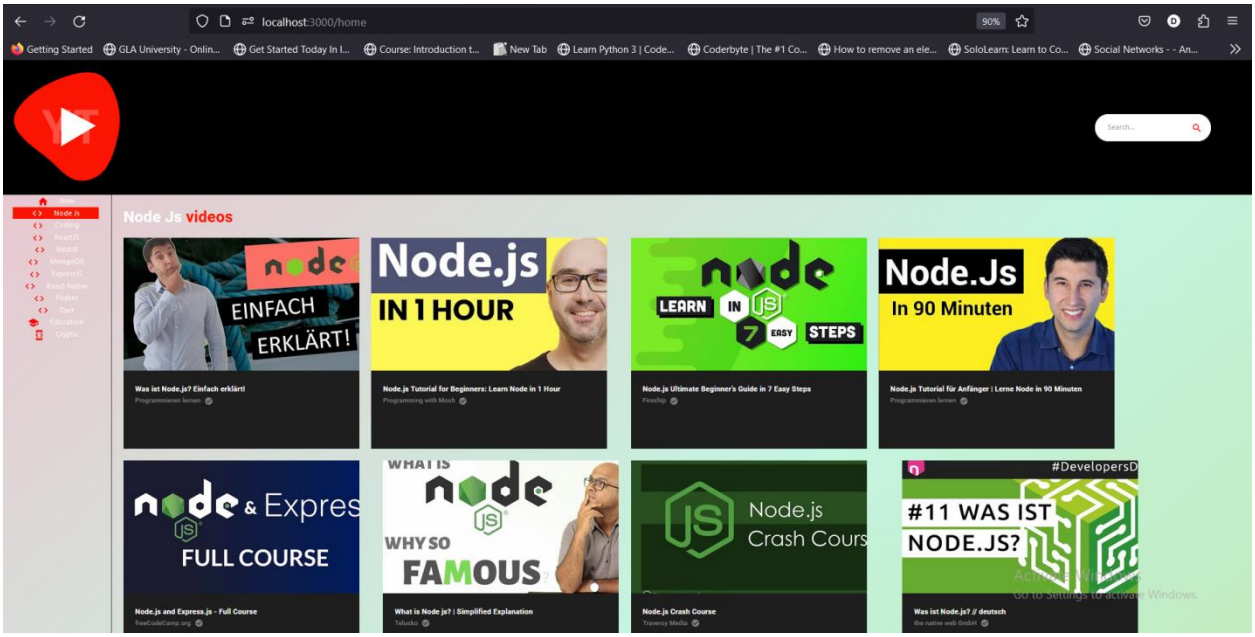

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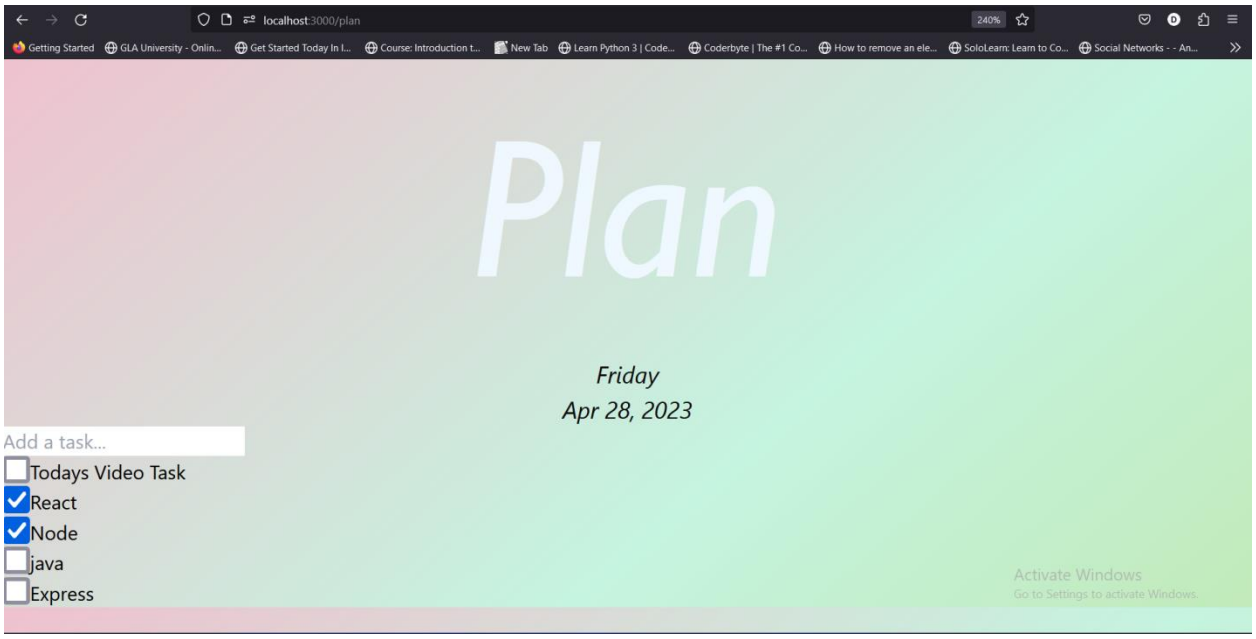

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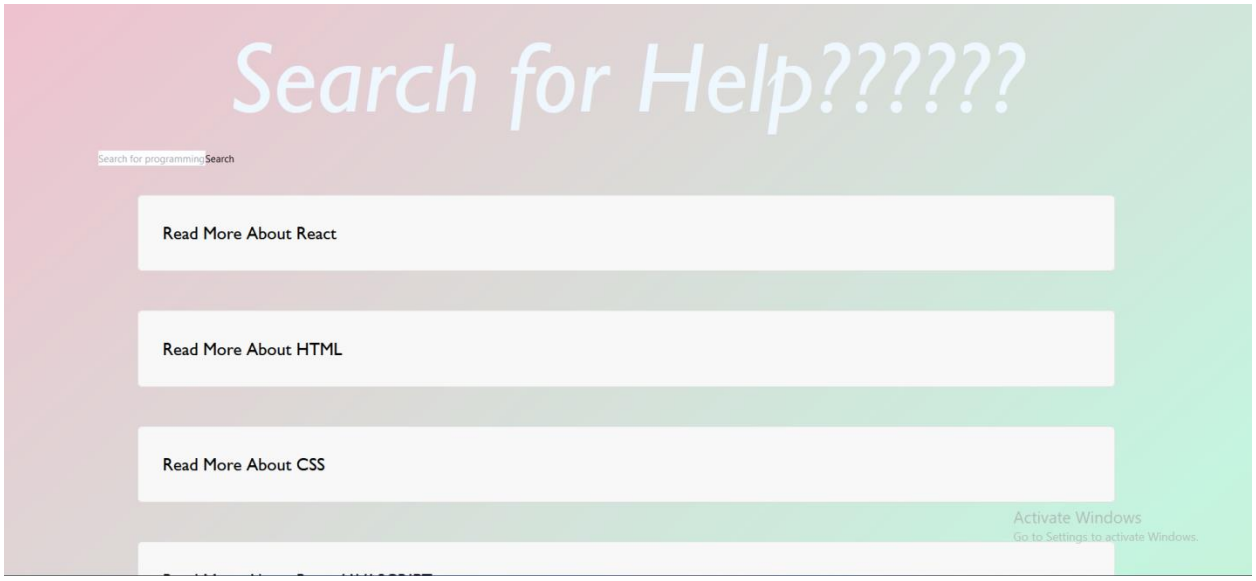

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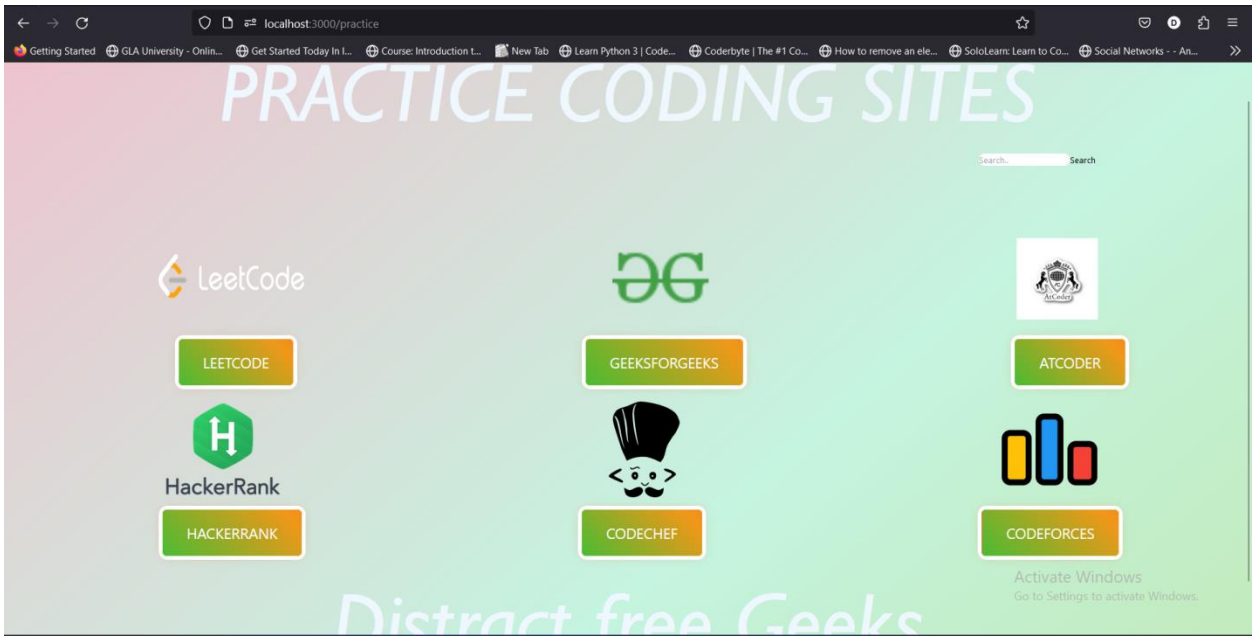

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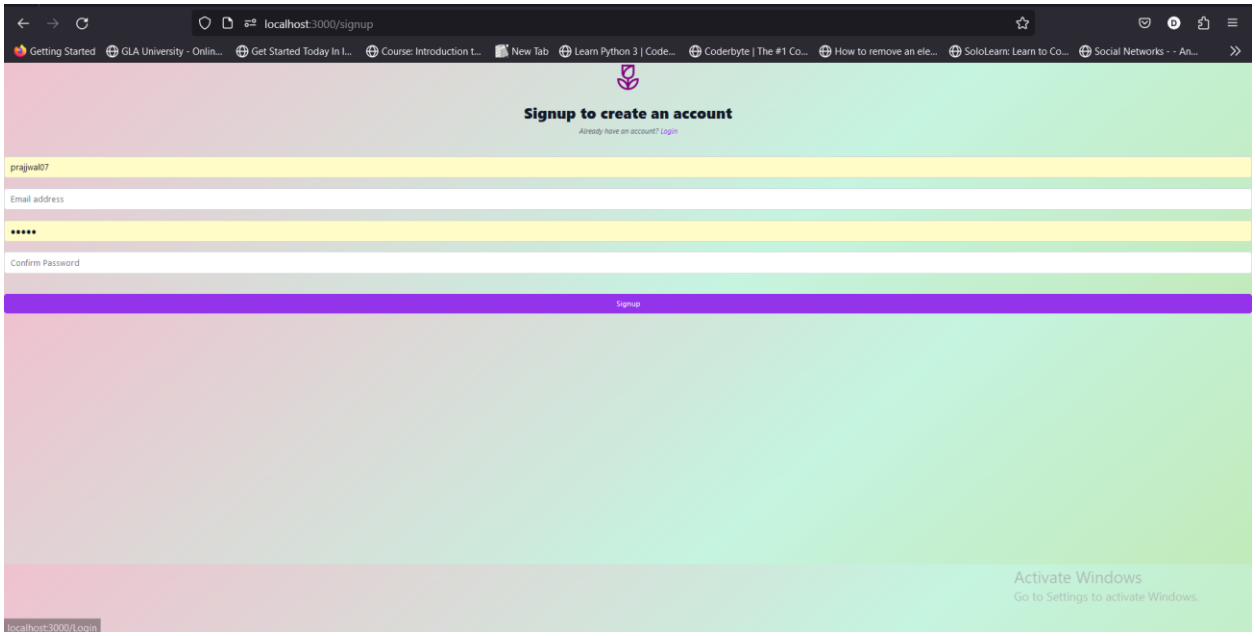

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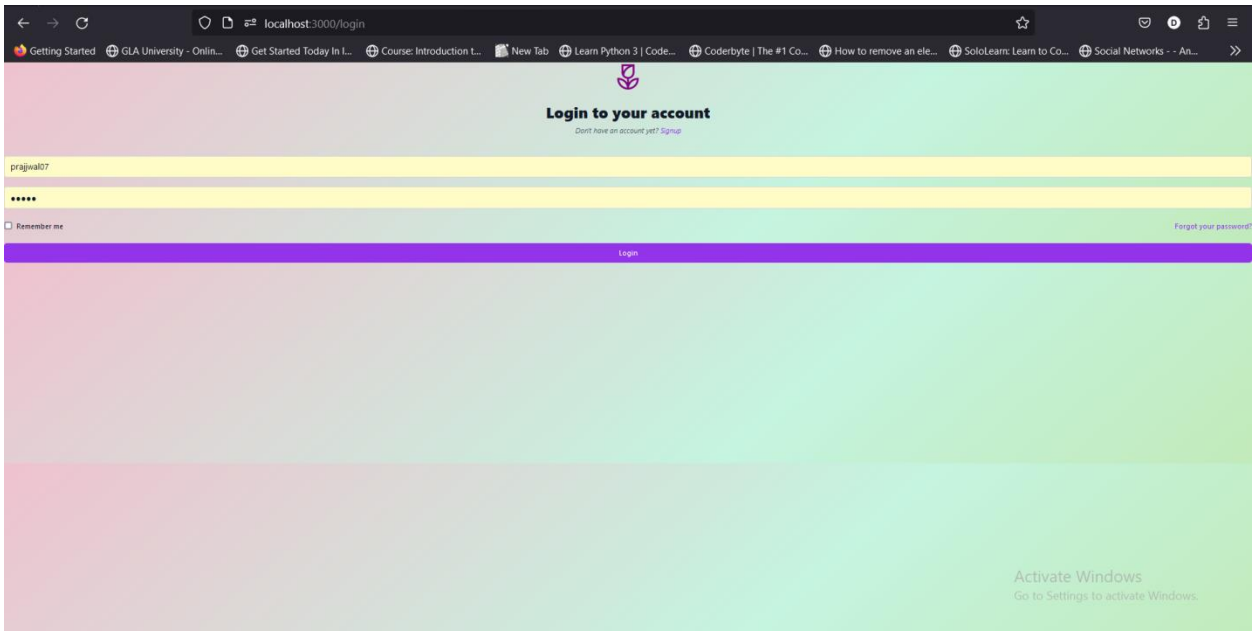
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Getting Started
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Get Started Today In I...
Course: Introduction t...
New Tab
Learn Python 3 | Code...
Coderbyte | The #1 Co...
How to remove an ele...
SoloLearn: Learn to Co...
Social Networks - - An...
Login to your account
Don't have an account yet? Signup
prajjwal07
Remember me
Forgot your password?
Login
Activate Windows
Go to Settings to activate Windows.

Figure 9