MINISTRY OF SKILL DEVELOPMENT AND ENTREPRENEURSHIP
NATIONAL SKILL TRAINING INSTITUTE

NodeJS Project on Doctor Appointment Booking System

1. ADIT/TVM/19/004 - ARYA MURALIDHARAN
2. ADIT/TVM/19/006 - ASHNA L PAUL
3. ADIT/TVM/19/011 - RAHANA G KRISHNAN

UNDER THE SUPERVISION OF

Poovaragavan Velumani

Master Trainer, ADIT

National Skill Training Institute Trivandrum

ACKNOWLEDGEMENT

We would like to express our sincere gratitude to Mr. Poovaragavan Velumani Master Trainer, whose roles as project guide was invaluable for the project. We extremely thankful for their keen interest in advising us.

1. ADIT/TVM/19/004
2. ADIT/TVM/19/006
3. ADIT/TVM/19/011

TABLE OF CONTENTS

Topics

1. Introduction

Web applications have helped in streamlining many of the tasks we perform on a daily basis, and have made our lives easier. The proposed project is a smart appointment booking system that provides patients or any user an easy way of booking a doctor's appointment online.

The task sometimes becomes very tedious for the compounder or doctor himself in manually allotting appointments for the users as per their availability.

2. Technology used

Nodejs, Expressjs and MySQL are used on windows 10 platform to create real time websites through public and views concept and store the user input data into the data base.

3. Aims and objectives

The main objective of the Project on "Creating a login and registration page using Nodejs/Expressjs. Through public and views concept is to create and share real time website for ourselves so that we get better understanding about Nodejs and Expressjs.

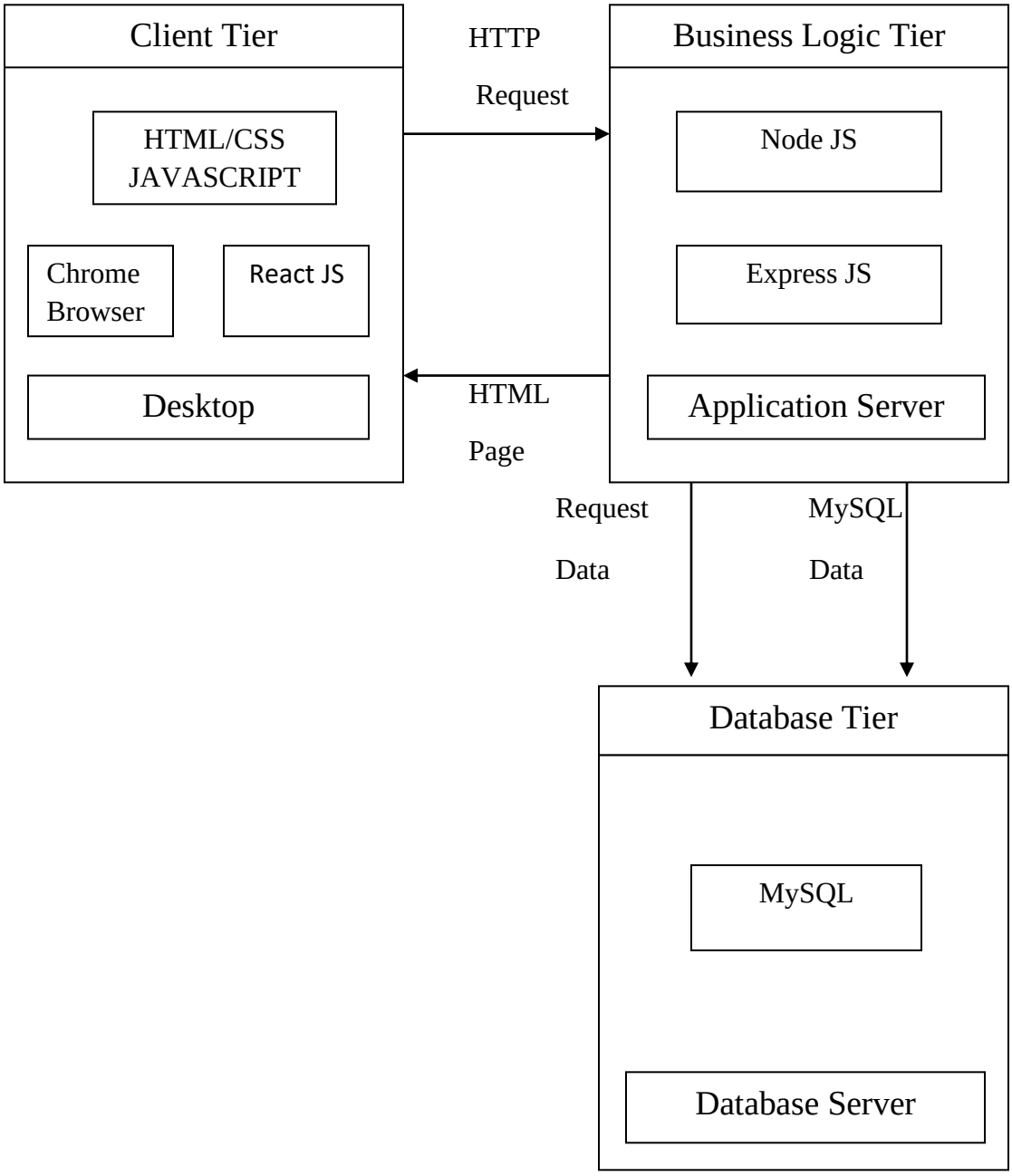
The proposed project is a smart appointment booking system that provides patients or any user an easy way of booking a doctor's appointment online.

4. Future Scope

Frontend developers are putting Nodejs on their first choice. Backend developers understand the importance of Node.js. Node.js is a real opportunity to make it easier for developers to build high-performance applications and get it running onto the web in a really scalable way to deliver value to end users.

It lets software engineers write command-line tools to create dynamic web pages before sending them to a web browser. Another advantage of Node.js is its asynchronous processing model that helps to build seamless micro service architecture, video streaming services and real-time chats.

5. Structured Architecture



6. Software Requirements

- Windows 10
- Visual Studio Code
- Xampp

7. Hardware Components

- Processor – i5
- Hard Disk – 1 TB
- Memory – 4 GB RAM
- Network Connectivity: Wi-Fi

.

8. Source Code

1. Index.js

```
const express = require ('express');
const session = require ('express-session');
const path = require ('path');
const routes = require ('./routes');
const app = express ();

app. set ('views', path.join (__dirname, 'views'));
app. set ('view engine', 'ejs');

app. use (express.urlencoded ({ extended: false}));
app. use (session ({
   name: 'session',
   secret: 'my_secret',
   resave: false,
   saveUninitialized: true,
   cookie: {
  maxAge: 3600 * 1000, // 1hr
   }
}));

app. use (express.static (path. join (__dirname, 'public')));
app. use (routes);

app. use ((err, req, res, next) => {
   // console.log (err);
   return res.send ('Internal Server Error');
});

app.listen (3000, () => console.log ('Server is runngin on port 3000'));
```

2. **style.css**

```
*,
*::before,
*::after {
    box-sizing: border-box;
  }

html {
    -webkit-text-size-adjust: 100%;
    -webkit-tap-highlight-color: rgba(0, 0, 0, 0);
    font-size: 16px;
}

body {
  background-color: #f7f7f7;
  font-family: "Ubuntu", sans-serif;
  margin: 0;
  padding: 0;
  color: #222222;
  overflow-x: hidden;
  overflow-wrap: break-word;
  -moz-osx-font-smoothing: grayscale;
  -webkit-font-smoothing: antialiased;
  padding: 50px;
}

.container {
  background-color: white;
  max-width: 450px;
  margin: 0 auto;
  padding: 40px;
  box-shadow: 0 1rem 3rem rgba(0, 0, 0, 0.175);
```

```
border-radius: 3px;
}

.container h1 {
   margin: 0 0 40px 0;
 text-align: center;
}

input,
button {
  font-family: "Ubuntu", sans-serif;
  outline: none;
  font-size: 1rem;
}

.input {
    padding: 10px;
    width: 100%;
    margin-bottom: 10px;
    border: 1px solid #bbbbbb;
    border-radius: 3px;
}

.input:hover {
    border-color: #999999;
}

.input:focus {
    border-color: #0d6efd;
}

[type="submit"] {
```

```
        background: #0d6efd;
        color: white;
        border: 1px solid rgba(0, 0, 0, 0.175);
        border-radius: 3px;
        padding: 12px 0;
        cursor: pointer;
        box-
    shadow: 0 0.125rem 0.25rem rgba(0, 0, 0, 0.075);
       margin-top: 5px;
       font-weight: bold;
       width: 100%;
    }

    [type="submit"]:hover {
        box-shadow: 0 0.5rem 1rem rgba(0, 0, 0, 0.15);
    }

    label {
        font-weight: bold;
    }

    .link {
       margin-top: 10px;
       text-align: center;
    }

  .link a {
     color: #0d6efd;
    }

    .success-msg,
    .err-msg {
```

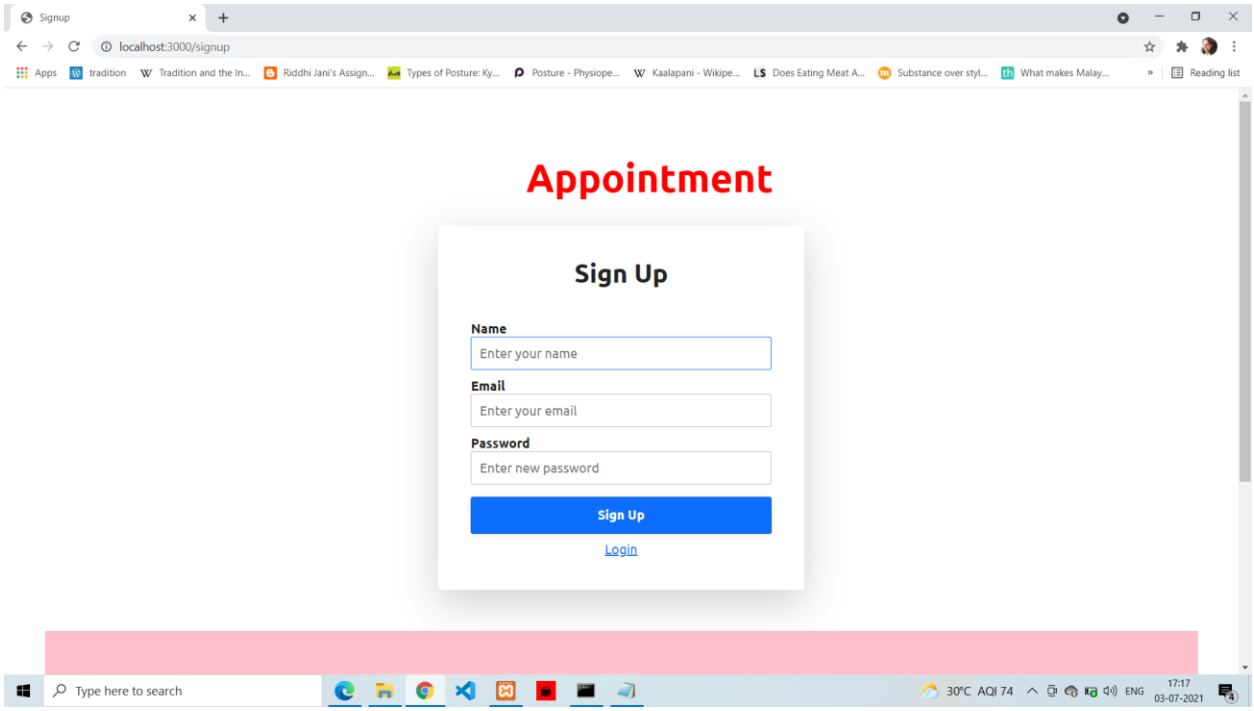
```
    color: #dc3545;
    border: 1px solid #dc3545;
    padding: 10px;
   border-radius: 3px;
}

  .success-msg {
    color: #ffffff;
    background-color: #20c997;
    border-color: rgba(0, 0, 0, 0.1);
  }

  .profile {
    text-align: center;
  }

  .profile .img {
      font-size: 50px;
  }

  .profile h2 {
      margin-bottom: 3px;
      text-transform: capitalize;
  }

  .profile span {
      display: block;
      margin-bottom: 80px;
      color: #999999;
  }

  .profile a {
```

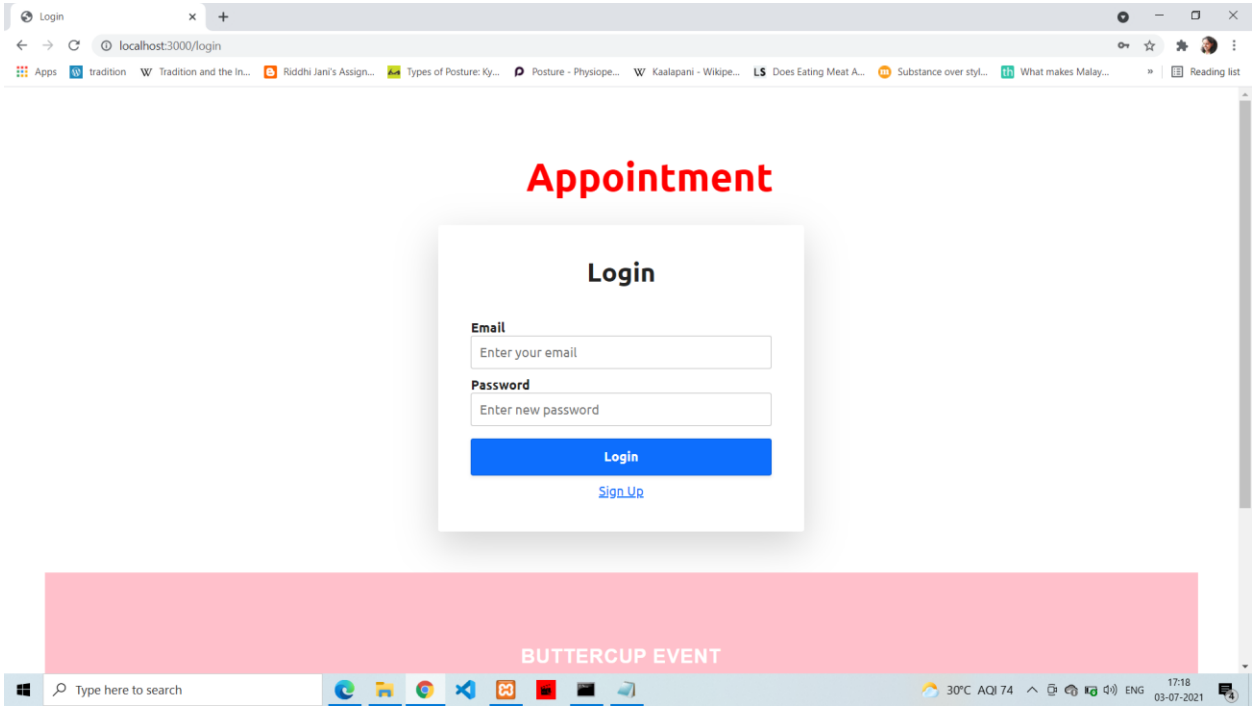
```
    display: inline-block;
    padding: 10px 20px;
    text-decoration: none;
    border: 1px solid #dc3545;
    color: #dc3545;
     border-radius: 3px;
}

.profile a:hover {
    border-color: rgba(0, 0, 0, 0.1);
    background-color: #dc3545;
    color: #ffffff;
}
#site-footer {
  align-items: center;
  background-color:pink;
  color: #fff;
  display: flex;
  flex-direction: column;
  font-family: 'CircularSTD',sans-serif;
 letter-spacing: .05em;
  padding: 70px 20px;
  text-align: center;
  text-transform: uppercase;
  position: relative;
  z-index: 3;
  width: 100%;
}
#site-footer{
    margin-top: 50px;
    width: 100%;
}
```

```css
.site-footer {
  background-color: #838383;
  text-align: center;
  margin: 10px 0;
  padding: 10px 0;
  }

  #social-wrapper {
      text-align: center;
      white-space: normal;
    }

  /*Social Media Icons*/
  .social-wrapper {
    text-align: center;
  }

  .social-wrapper ul li {
      display: inline;
      margin: 0 5px;
  }

  .twitter-icon,
  .facebook-icon,
  .instagram-icon,
  .googleplus-icon,
  .youtube-icon,
  .foursquare-icon{
      margin-top: .625em;
      width: 40px;
      height: 40px;
      opacity: .6;
```

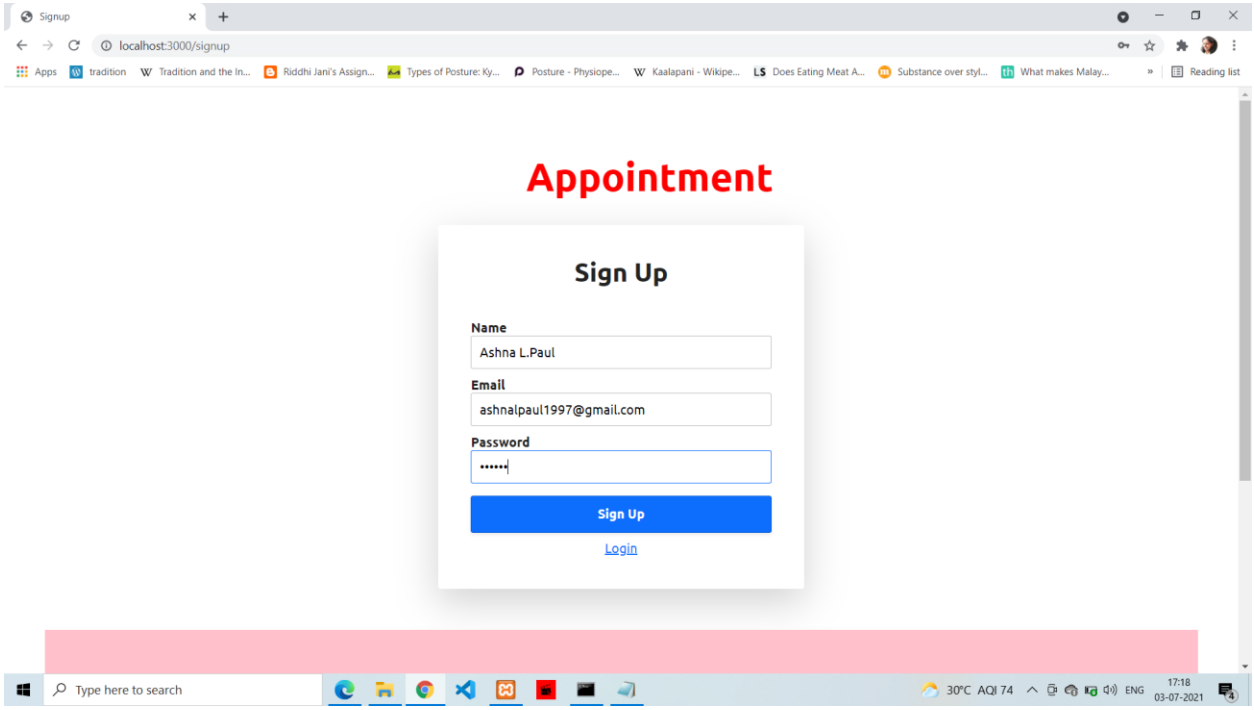
```
    filter: alpha(opacity=60); /* For IE8 and earl
ier */
   border-radius: 25px;
}
.twitter-icon:hover,
.facebook-icon:hover,
.instagram-icon:hover,
.googleplus-icon:hover,
.youtube-icon:hover,
.foursquare-icon:hover {
    opacity: 1.0;
    filter: alpha(opacity=100); /* For IE8 and ear
lier */
}

.footer-nav p {
  text-align: center;
}
```

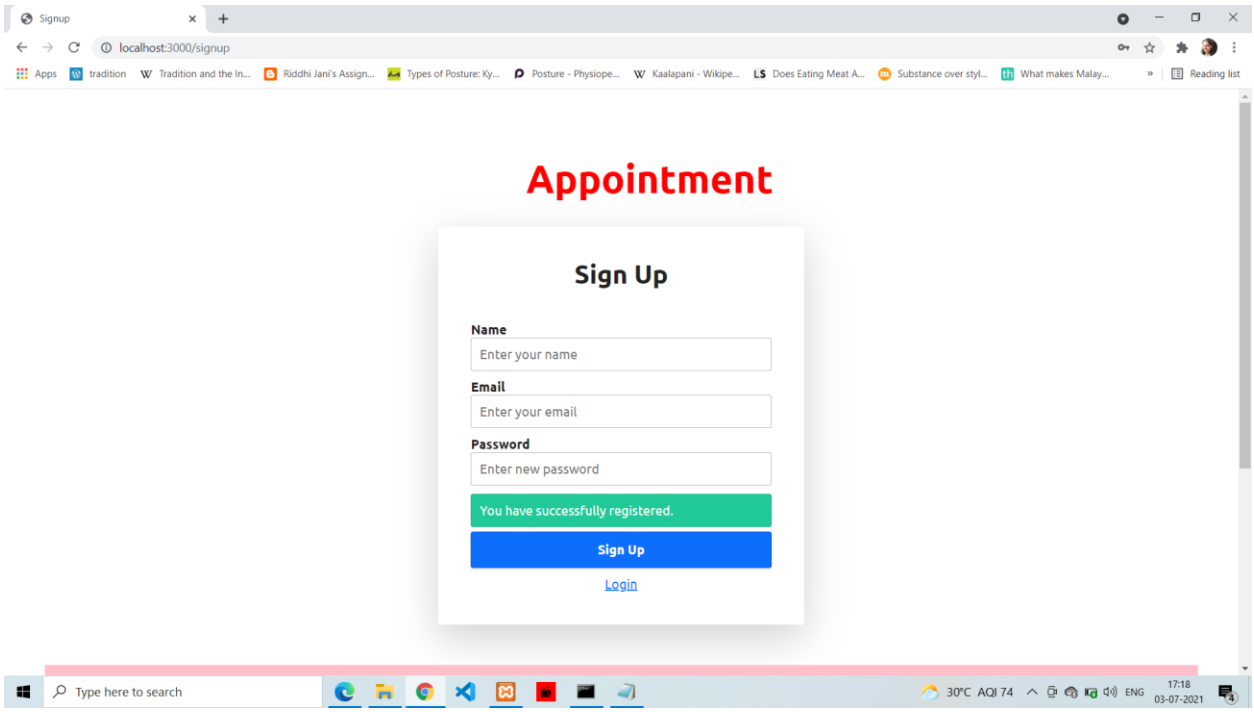
9. Output

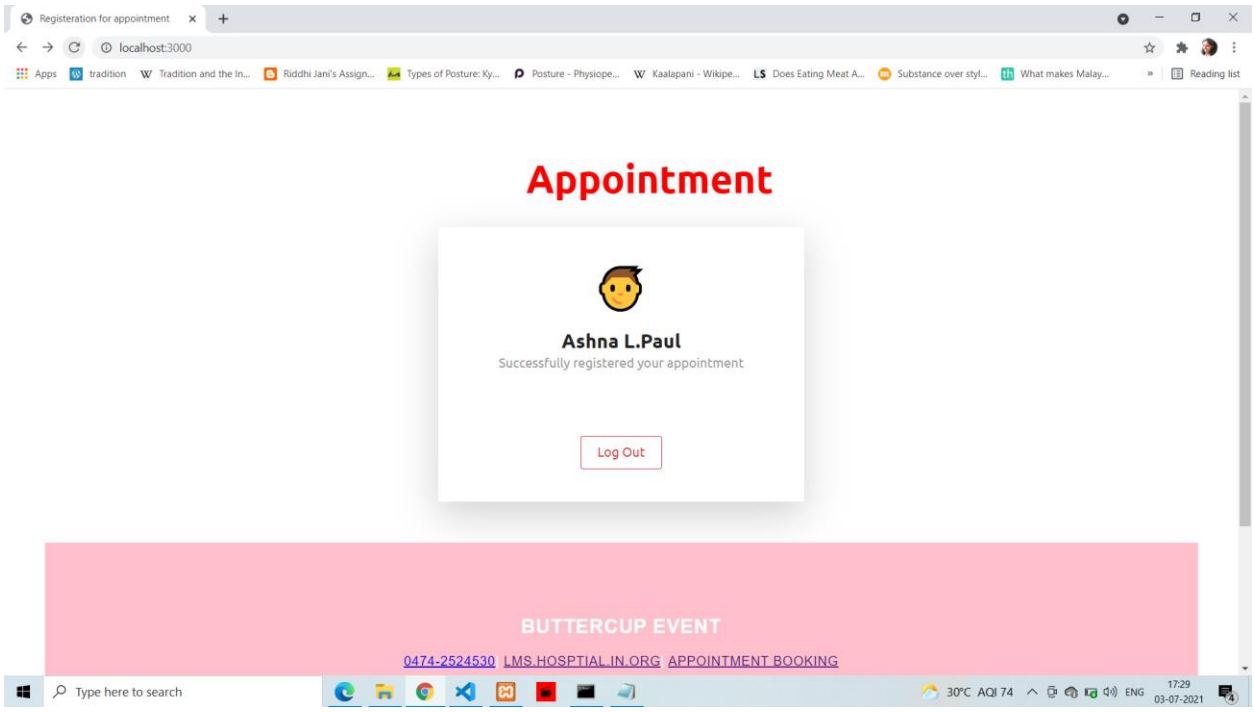

Signup
localhost:3000/signup
Appointment
Sign Up
Name
Enter your name
Email
Enter your email
Password
Enter new password
Sign Up
Login
Type here to search
30°C AQI 74
ENG
17:17
03-07-2021


Login
localhost:3000/login
Appointment
Login
Email
Enter your email
Password
Enter new password
Login
Sign Up
BUTTERCUP EVENT
Type here to search
30°C AQI 74
ENG
17:18
03-07-2021

12. Result


Signup
localhost:3000/signup
Appointment
Sign Up
Name
Ashna L.Paul
Email
ashnalpaul1997@gmail.com
Password
Sign Up
Login
Type here to search
30°C AQI 74
ENG
17:18
03-07-2021


Signup
localhost:3000/signup
Appointment
Sign Up
Name
Enter your name
Email
Enter your email
Password
Enter new password
You have successfully registered.
Sign Up
Login
Type here to search
30°C AQI 74
ENG
17:18
03-07-2021


Registeration for appointment
localhost:3000
Apps
tradition
Tradition and the In...
Riddhi Jani's Assign...
Types of Posture: Ky...
Posture - Physiope...
Kaalapani - Wikipe...
Does Eating Meat A...
Substance over styl...
What makes Malay...
Reading list
Appointment
Ashna L.Paul
Successfully registered your appointment
Log Out
BUTTERCUP EVENT
0474-2524530 LMS.HOSPTIAL.IN.ORG APPOINTMENT BOOKING
Type here to search
30°C AQI 74
ENG
17:29
03-07-2021

10. Conclusion

The Node.js is more advantageous to the developers in comparison to its disadvantages. What's more important is the fact that it has extended the area of JavaScript application and can be evidently used for both frontend as well as backend servers. Node.js is, without a doubt, one of the more interesting technologies in use today, and it has grown into one of the most popular platforms used for web applications, services, and desktop apps.

11.Reference

- **https://www.w3schools.com/nodejs/**
- **https://www.javatpoint.com/nodejs-tutorial**