NUTRITION ASSISTANT APPLICATION

Category : Cloud Web Application

A PROJECT REPORT

Submitted by

TEAM ID

PNT2022TMID33084

TEAM MEMBERS

J.RAJARAJESWARI - 820419205044
A.SAKTHI OVIYA - 820419205047
S.R.SAMYUKTHA - 820419205050
R.SRI VIJAYA HARINI - 820419205057

from

ANJALAI AMMAL MAHALINGAM ENGINEERING COLLEGE

CONTENT

1. INTRODUCTION

1.1 Project Overview

Currently, we see how on TV, on social networks, in the press, on blogs, etc., famous people and advertising that promote a healthy lifestyle and proper nutrition. These things have become especially prevalent in the pandemic when everyone has been isolated at home and because of stress and sedentary lifestyle people have either gained unwanted pounds or lost too much weight. The current paper describes the Appetite application starting with the motivation and similar applications, continuing with the architecture and details about the main functionalities.

1.2 Purpose

Nutrition assistants **help dieticians with providing proper nutrition at healthcare facilities**. They determine patients' nutritional needs, assess risk factors, and plan meals and menus. They also ensure proper sterilization of plates and utensils.

2. LITERATURE SURVEY

2.1 Existing problem

Due to the ignorance of healthy food habits, obesity rates are increasing at an alarming speed, and this is reflective of the risks to people’s health. People need to control their daily calorie intake by eating healthier foods, which is the most basic method to avoid obesity. However, although food packaging comes with nutrition (and calorie) labels, it’s still not very convenient for people to refer to App-based nutrient dashboard systems which can analyze real-time images of a meal and analyze it for nutritional content which can be very handy and improves the dietary habits, and therefore, helps in maintaining a healthy lifestyle.

This project aims at building a web App that automatically estimates food attributes such as ingredients and nutritional value by classifying the input image of food. Our method employs **Clarifai's AI-Driven Food Detection Model** for accurate food identification and Food API's to give the nutritional value of the identified food.

2.2 References

1. NAME OF THE PAPER :Measuring and influencing physical activitywithsmart phone technology

PUBLISHED YEAR :2014

AUTHOR : Judit Bort - Roig et al. Sports Med

2.NAME OF THE PAPER : Primary Nutrition Health care.

PUBLISHED YEAR :2020

AUTHOR : Christian Kraef et al. Bull World Health Organ.

3. NAME OF THE PAPER : Rapid Developments Technology have Encouragedthe use of Smartphone in Health Promotion Research and Practice.

PUBLISHED YEAR : 2015

AUTHOR: Steven S Coughlin et al. Jacobs J Food Nutr

4. NAME OF THE PAPER : Effect of nutrition care provided by primaryhealthprofessionals on adults dietary behaviours: a systematic review

PUBLISHED YEAR : 2015

AUTHOR : Lauren Ball et al. Fam Pract.

5. NAME OF THE PAPER : Perioperative Nutrition: A High Impact, Low-Risk,Low-Cost Intervention

PUBLISHED YEAR : 2018

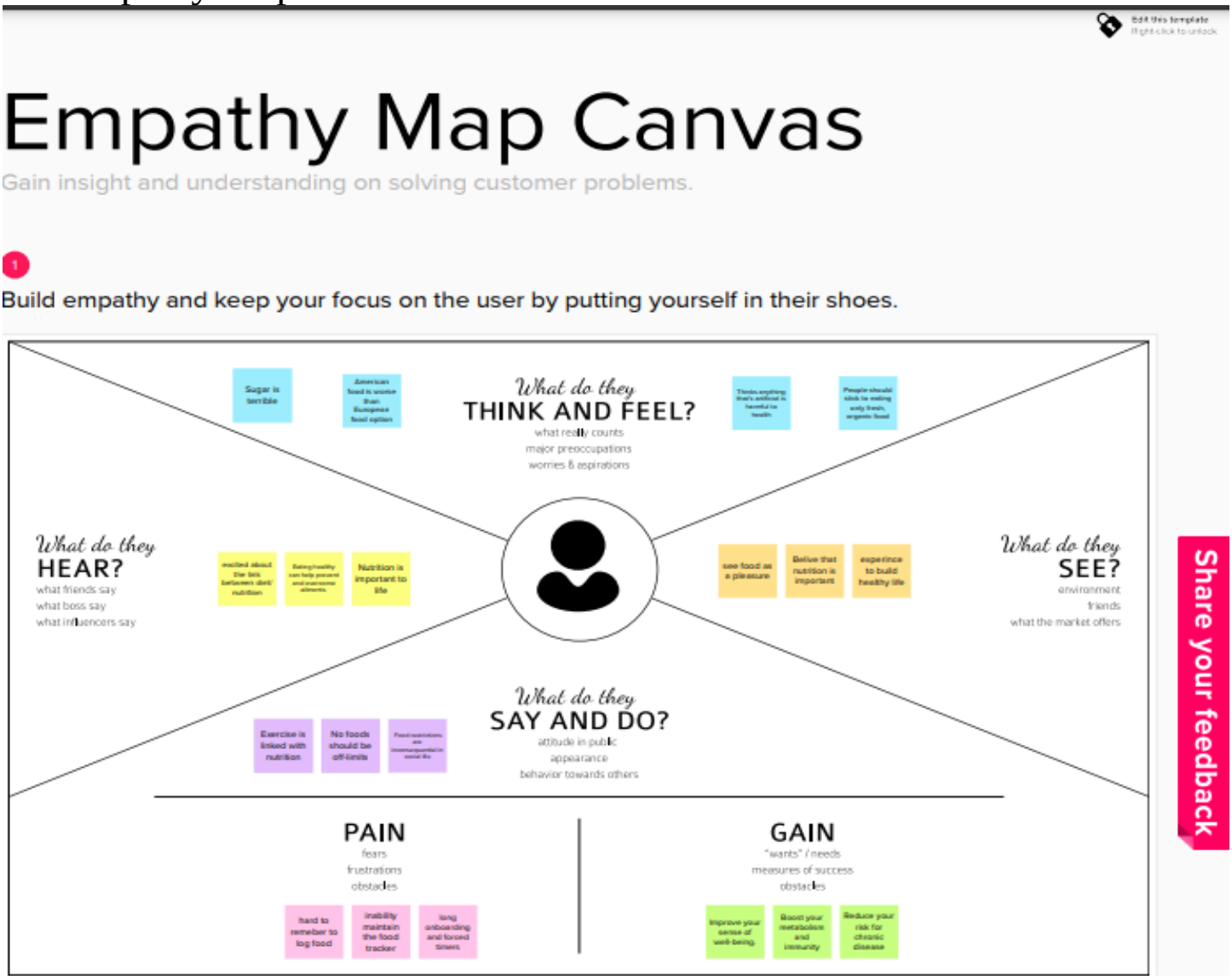
AUTHOR : Michael Scott etal. Anesth Analg

2.3 Problem Statement Definition

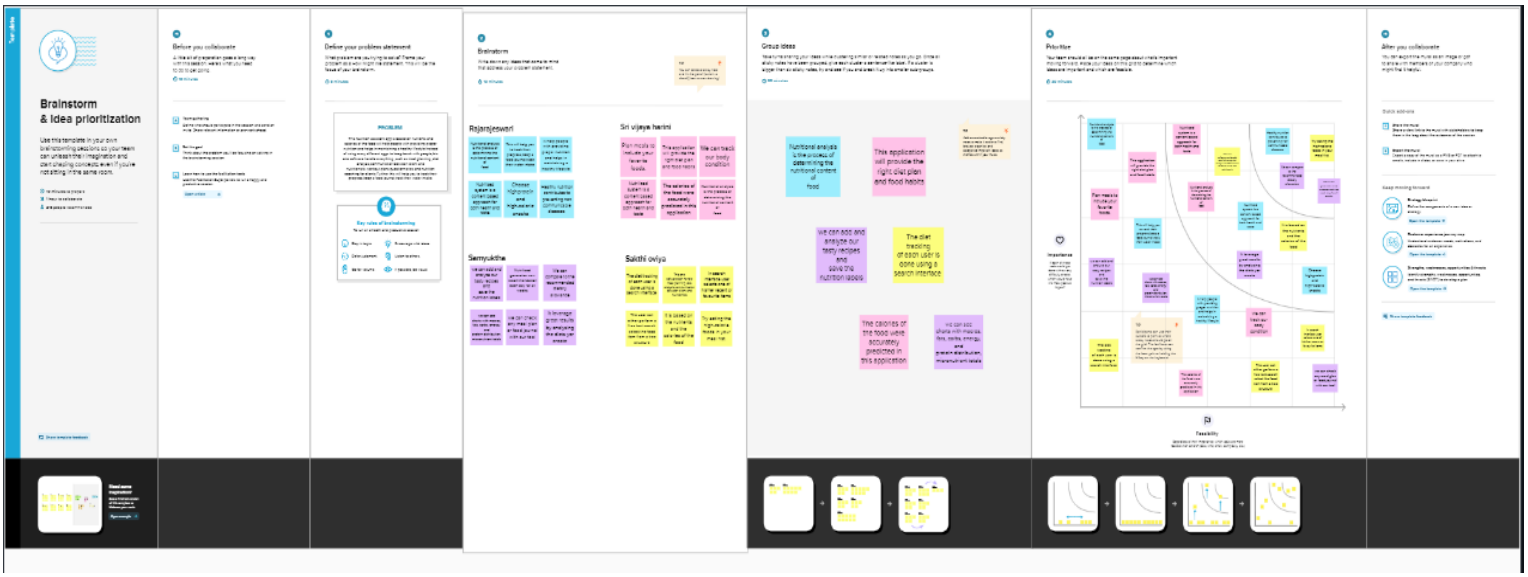
This Nutrition assistant app is based on nutrients and calories of the food will help people with providing proper nutrition and helps in maintaining a healthy lifestyle.Instead of using many different apps to keep touch with people,this one software handle everything ,such as meal planning ,diet analysis,communiction between client and nutritionists ,workout plans,questionnaries and nutrition coaching for clients Further this will help you to track their progress,keep a food journal,track their water intake.

3. IDEATION & PROPOSED SOLUTION

3.1 Empathy Map



3.2 Ideation & Brainstorming

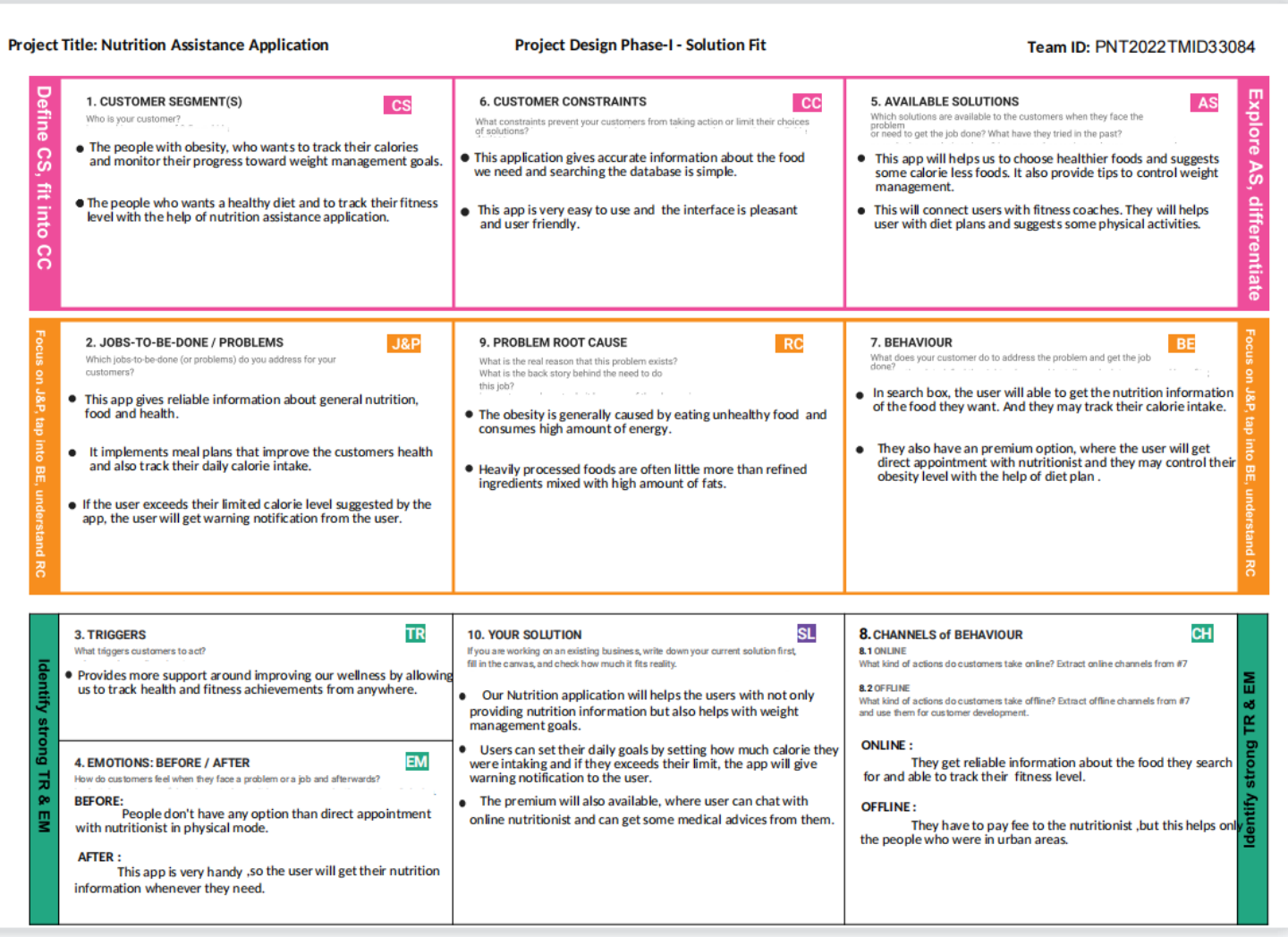


3.3 Proposed Solution

S.No	Parameter	Description
1.	Problem Statement (Problem to be solved)	1.This Nutrition assistant app is based on nutrients and calories of the food will help people with providing proper nutrition and helps in maintaining a healthy lifestyle. 2.Instead of using many different apps to keep touch with people this one software handle everything such as meal planning diet analysis communication between client and nutritionists ,workout plans, questionnaires and nutrition coaching for clients. 3.Further this will help you to track their progress keep a food journal track their water intake.
2.	Idea / Solution description	1.By creating an application , we can recommended diet plans for the users and measures sugar level.
3.	Novelty / Uniqueness	1.I can realize real time images of meal and analyze it for nutritional content can be handy and improve dietary habit.

4.	Social Impact / Customer Satisfaction	1.It helps to maintain with providing proper nutrition and healthy lifestyle for normal people.
5.	Business Model (Revenue Model)	1.Social Media is to best way to develop our application.
6.	Scalability of the Solution	1.Good Relationship . 2.Easily Access to the Application. 3.Different diet charts can be planned for different aspects of people.

3.4 Problem Solution fit



4. REQUIREMENT ANALYSIS

4.1 Functional requirement

Following are the functional requirements of the proposed solution.

FR.No	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form.
FR-2	User Confirmation	Confirmation via OTP.
FR-3	Uploading Image	The system should able to get the image from the user.
FR-4	Identification of image	The system should able to identify the image of the food given using model.
FR-5	Obtain the ingredients	The system must able to obtain the ingredients of the given food image.
FR-6	Display the nutritional value	The system must able to display the nutritional value of the food with the help of nutritional Application

4.2 Non-Functional requirements

Following are the non-functional requirements of the proposed solution.

FR.No	Non-Functional Requirement	Description
FR-1	Usability	Only registered user is allowed to using the application.
FR-2	Security	Authentication of user is done for security purpose.
FR-3	Reliability	The user gets the standardized nutritional value of the food items.
FR-4	Performance	User satisfaction is ensured by getting their feedback .
FR-5	Availability	This application can be used by the user when they are in online Mode.

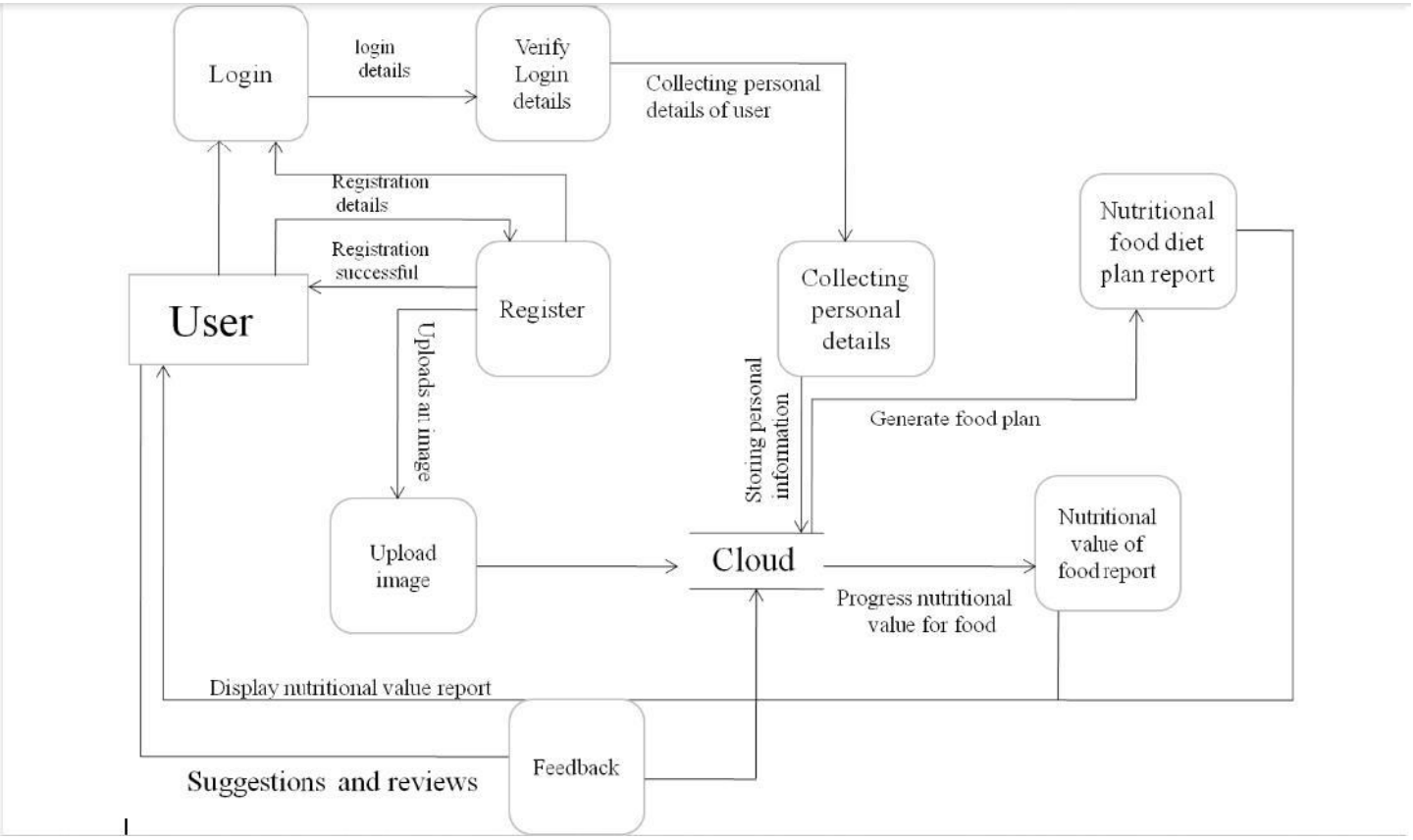
FR-6	Scalability	This application can be used in all operating system and it can handle quite large Quantity of users too.

5. PROJECT DESIGN

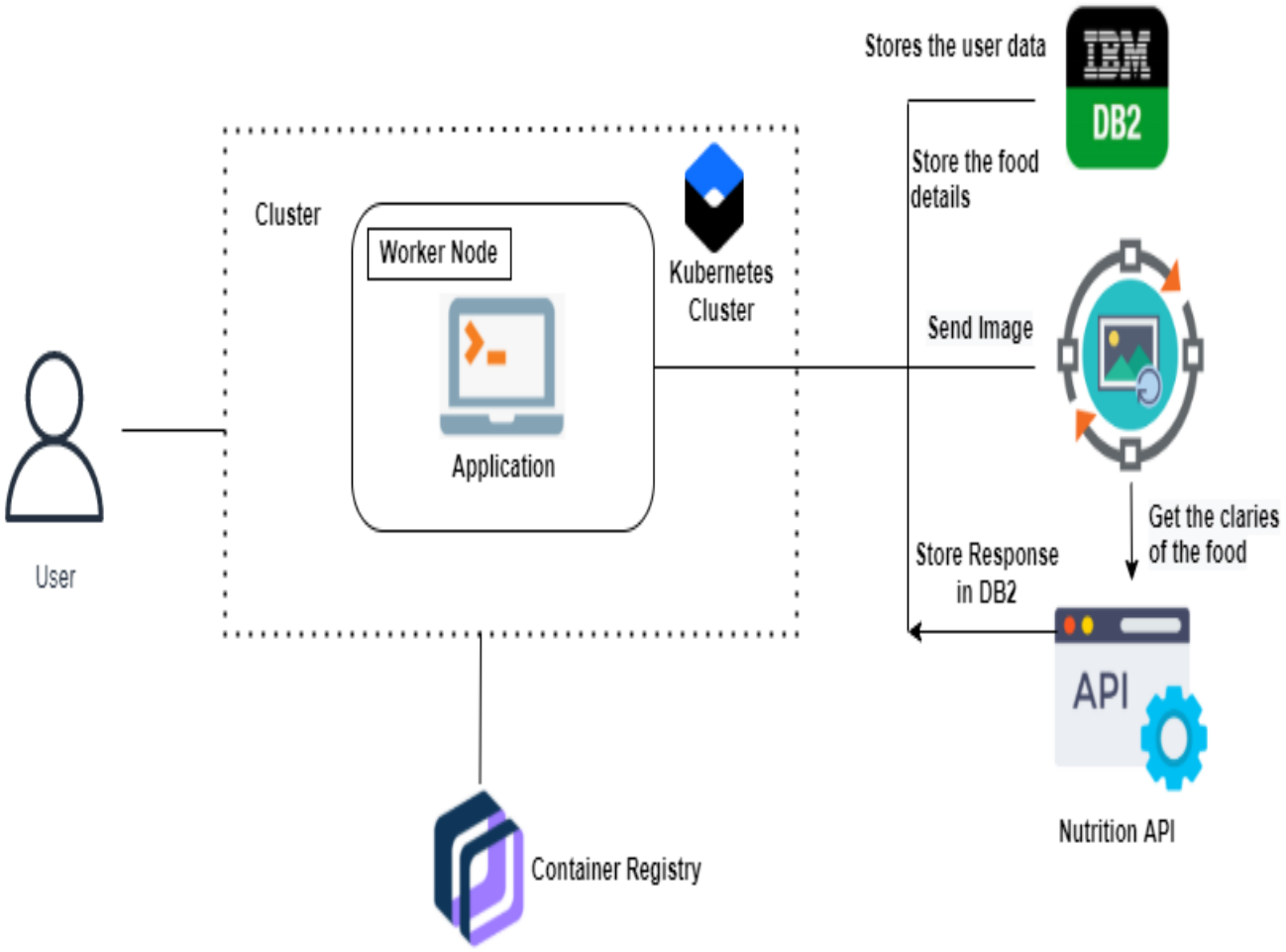
5.1 Data Flow Diagrams

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Example: DFD Level 0



5.2 Solution & Technical Architecture



5.3 User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration		As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1

			As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
	Login		As a user, I can log into the application by entering email & password	I can login when password and email are correct	High	Sprint-1
	Collecting personal details		As a user,I can provide a personal information for processing	I can enter the personal details	Medium	Sprint-1
	Upload image		As a user,I can upload an image for the processing of food.	I can upload a food image	High	Sprint-1
	Feedback		As a user,I can give feedback	I can give feedback about the application	Low	Sprint-1
Cloud	Nutritional value of report		In cloud the food image is processed and provides the nutritional value of food.	It gives the nutritional value of food.	High	Sprint-2
	Nutritional food diet plan report		In cloud the food diet plan based	It provides the diet	Medium	Sprint-2

			on nutritional value is generated based on the personal information provided by the user.	nutritional plan.		

6. PROJECT PLANNING & SCHEDULING

6.1 Sprint Planning & Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	prerequisites for model building		As a developer I have to collect the different type of data possible and other data supporting the model	2	High	Samyuktha S.R Rajarajeswari.J
Sprint-1	Registration		As a user, I can register for the application by entering my email, password, and confirming my password	2	High	Rajarajeswari.J Sakhi Oviya.A
Sprint-1			As a user, I will receive confirmation email once I have registered for the application	1	High	Sakhi Oviya.A Sri Vijaya Harini.R
Sprint-1	Gmail Registration		As a user, I can register for the application through Gmail	2	Low	Sri Vijaya Harini.R Samyuktha S.R

Sprint-2	Login		As a user, I can log into the application by entering email & password	1	High	Sakthi Oviya.A Sri Vijaya Harini.R
Sprint-2	Suggestion		As a user now I can make recommendations such as nutrition plans,diet plans etc..	1	Low	Samyuktha S.R Rajarajeswari.J
Sprint-2	Model building		Development of the model with the prepared data	2	High	Sakthi Oviya.A Sri Vijaya Harini.R
Sprint-2	Main interface		As a user i can view my calories by uploading the photo of the food that I want to eat	2	High	Rajarajeswari.J Samyuktha.S.R

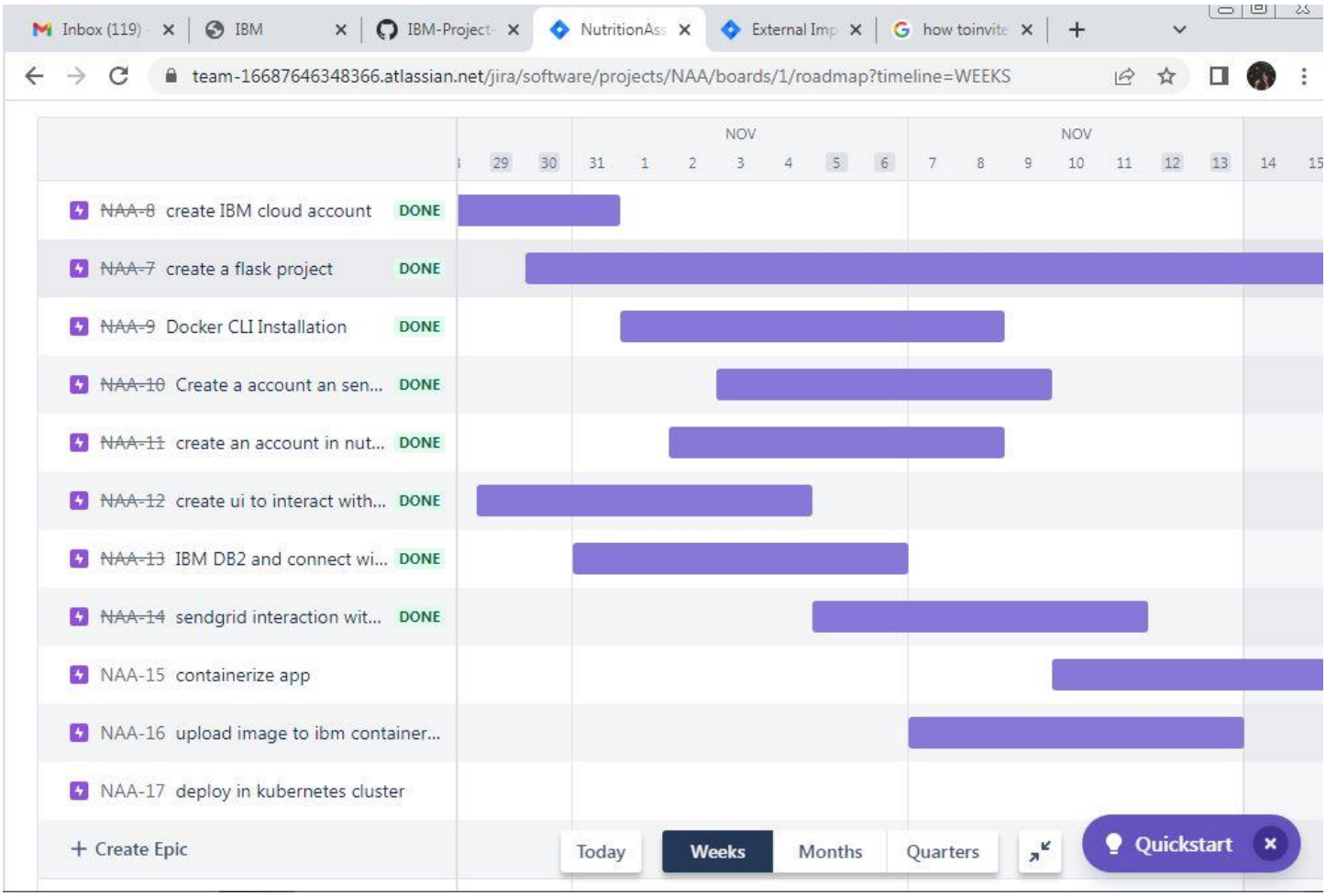
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Diet plan for free users		As a dietician I provide a diet plans for the betterment of the user	2	High	Rajarajeswari.J Samyuktha S.R
Sprint-3	Diet plans for Premium users		As a premium user, I can choose to follow the diet plan based on my food habits	1	Medium	Sakthi Oviya.A Sri Vijaya Harini.R
Sprint-3	User image analysis		As a user, I can track my calories intake and know about my food in detail	2	High	Sri Vijaya Harini.R Sakthi Oviya.A
Sprint-3	Improve the efficiency of AI model		As a developer, I can give the better model that	2	Medium	Rajarajeswari.J Samyuktha S.R

			analyse the food and provide the accurate result			
Sprint-3	User analysis record		As a user, I can check the records of the food habits	1	Medium	Sakthi Oviya.A Samyuktha S.R
Sprint-4	Diet tips and basic plan		As a user now I can make recommendations such as nutrition plans,diet plans etc..	1	Medium	Rajarajeswari.J Sri Vijaya Harini.R
Sprint-4	Paymen		Develop the payment gateway options for premium users	2	High	Samyuktha S.R Sri Vijaya Harini.R
Sprint-4	Dashboard		The details will provided via nutrition AP	2	High	Rajarajeswari.J Sakthi Oviya.A

6.2 Sprint Delivery Schedule

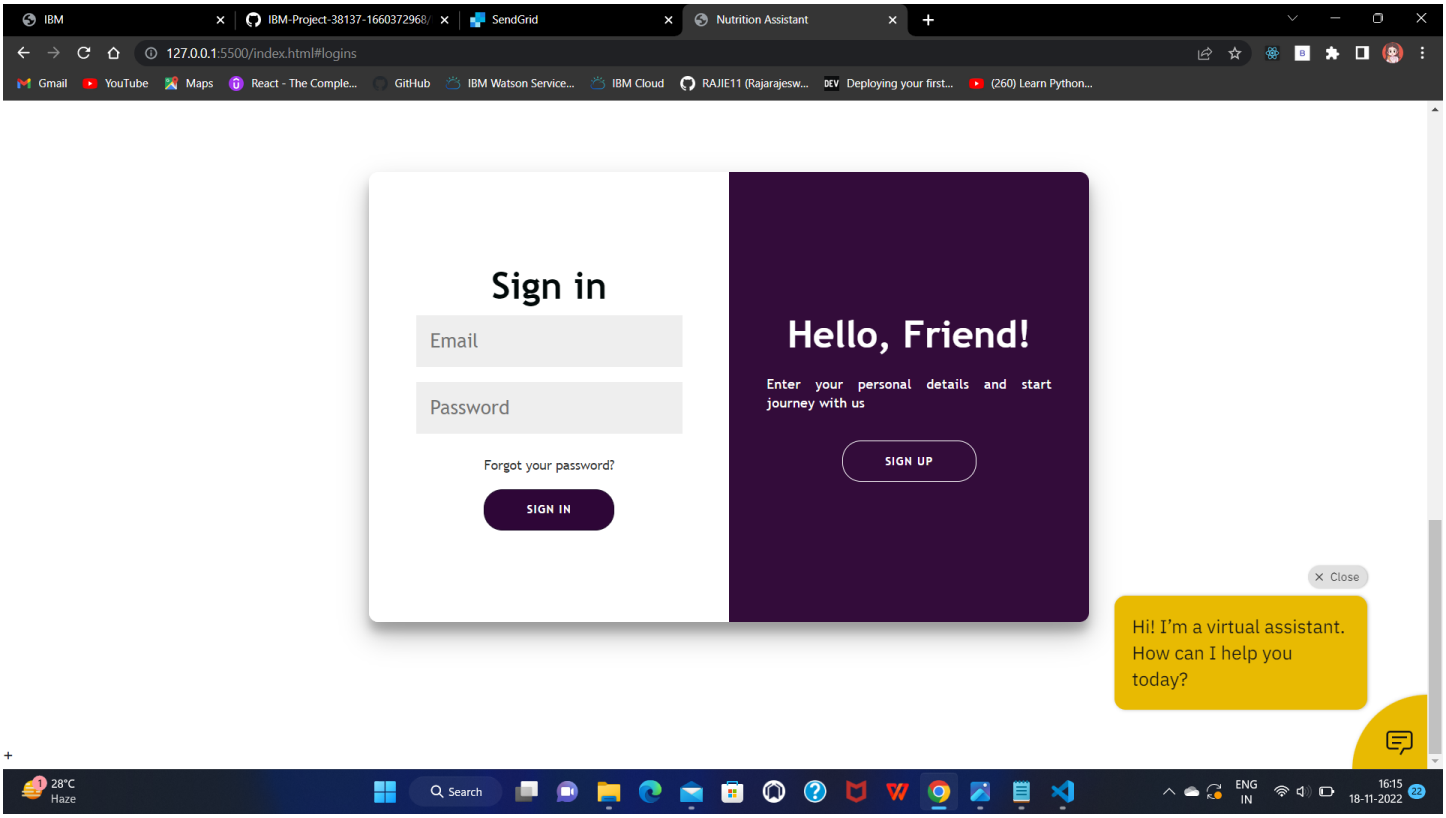
Sprint	Total Story Points	Duration	Sprint start time	Sprint End time	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 days	31 Oct 2022	05 Nov 2022	20	04 Nov 2022
Sprint-3	20	6 days	07 Nov 2022	12 Nov 2022	20	11 Nov 2022
Sprint-4	20	6 days	14 Nov 2022	19 Nov 2022	20	18 Nov 2022

6.3 Reports from JIRA

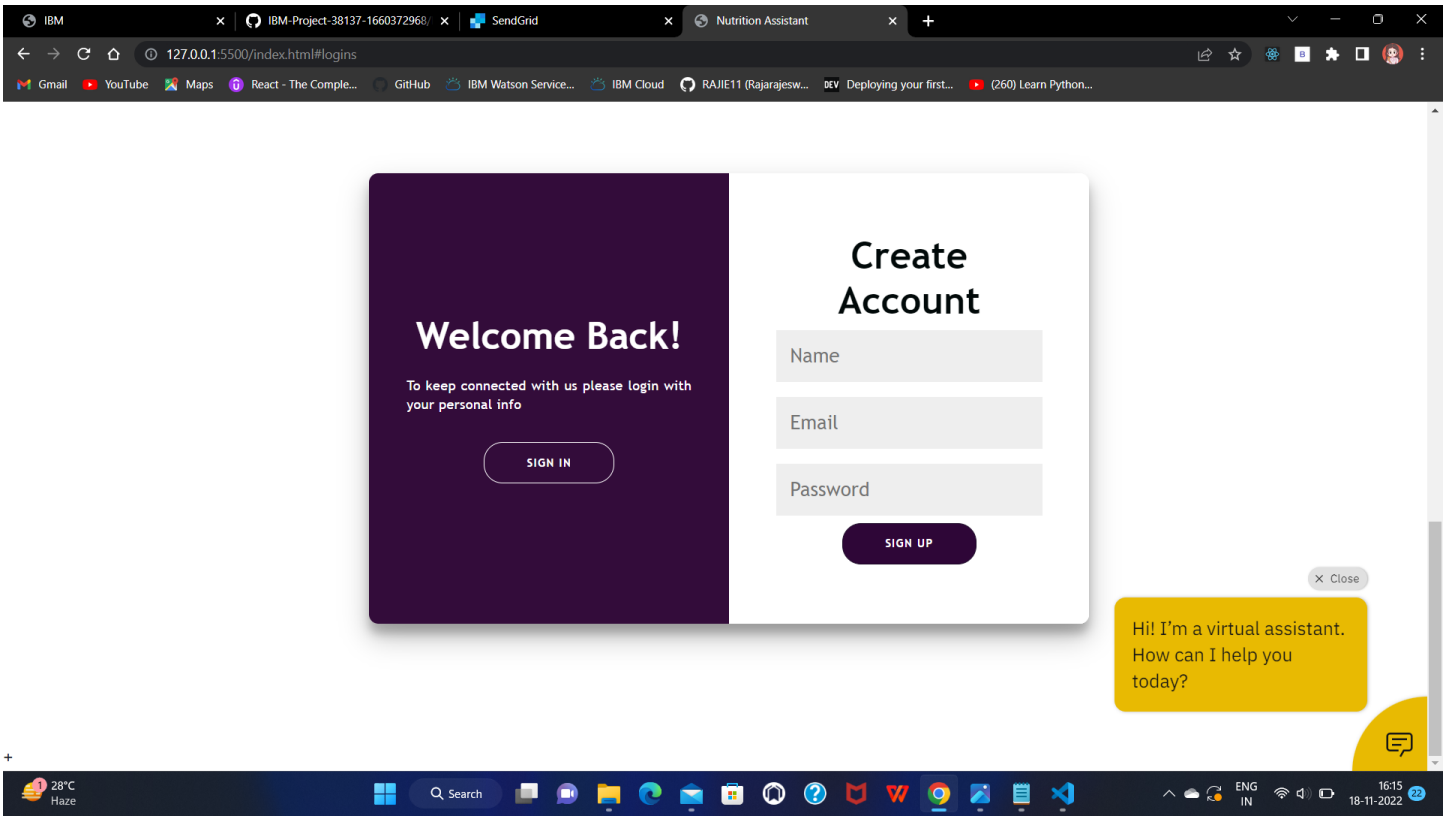


7. CODING & SOLUTIONING

7.1 Feature 1


IBM
IBM-Project-38137-1660372968/
SendGrid
Nutrition Assistant
127.0.0.1:5500/index.html#logins
Gmail
YouTube
Maps
React - The Comple...
GitHub
IBM Watson Service...
IBM Cloud
RAJIE11 (Rajarajesw...
Deploying your first...
(260) Learn Python...
Sign in
Email
Password
Forgot your password?
SIGN IN
Hello, Friend!
Enter your personal details and start journey with us
SIGN UP
Close
Hi! I'm a virtual assistant. How can I help you today?
28°C
Haze
Search
ENG
IN
16:15
18-11-2022

7.2 Feature 2


IBM
IBM-Project-38137-1660372968/
SendGrid
Nutrition Assistant
127.0.0.1:5500/index.html#logins
Gmail
YouTube
Maps
React - The Comple...
GitHub
IBM Watson Service...
IBM Cloud
RAJIE11 (Rajarajesw...
Deploying your first...
(260) Learn Python...
Welcome Back!
To keep connected with us please login with your personal info
SIGN IN
Create Account
Name
Email
Password
SIGN UP
Close
Hi! I'm a virtual assistant. How can I help you today?
28°C
Haze
Search
ENG
IN
16:15
18-11-2022

8. TESTING

8.1 Test Cases

This reports how's the number of test cases that have passed, failed, and untested

Section	Total Test Cases	Not Tested	Fail	Pass
Print Engine	7	0	0	7
Client Application	41	0	0	41
Security	2	0	0	2
Outsource Shipping	3	0	0	3
Exception Reporting	12	0	0	12
Final Report Output	4	0	0	4
Version Control	2	0	0	2

8.2 User Acceptance Testing

The purpose of this document is to briefly explain the test coverage and open issues of the **Nutrition Assistant Application** project at the time of the release to User Acceptance Testing (UAT).

All the non-control group users were tracking their nutrition using our application. Therefore, we have measures of any food item being consumed, their portion size, and their nutritional values. Furthermore, we track which of the nutrients were focused in the home-screen on the day an item was consumed. The six nutrients shown on the current day are called "focused" nutrients, while all others are "unfocused" for this day.

9. RESULTS

9.1 Performance Metrics

Cloud performance metrics enable you to effectively monitor your cloud resources, to ensure all components communicate seamlessly. Typically, cloud performance metrics **measure input/output operations per second (IOPS), filesystem performance, caching, and autoscaling**

Developers don't have many opportunities to learn how their apps affect people's health due to privacy protection. In some cases, you can invite users to take a survey to better assess the impact your app has had on them. You can also apply common metrics, connecting them to your app's purpose.

10. ADVANTAGES & DISADVANTAGES

Advantages

- It can cause you to think about and consider a food choice before you take a bite.
- It allows you to analyze your own food choices to assess and tweak your eating plan and patterns.
- It provides general awareness of nutrients in food.
- It is a targeted way to focus on your health.

Disadvantages

- It can actually remove a level of mindfulness because the goal is to hit target numbers NOT listen to your body.
- It's not sustainable long term.
- We might avoid certain healthy foods that are difficult to add into the food tracker.
- We can become hyper-focused on numbers (calories, carbs, fiber, sugar, etc) over eating a wide variety of healthy, whole foods.

11. CONCLUSION

With people becoming conscious about their diets and fitness goals, there is a wide scope of diet and fitness apps thriving in the app world. Therefore, this time is pretty much perfect to create a diet and fitness app of your own and enter the market with a unique idea

in order to lure the audience towards your app. For developing a healthcare app, you must be sure of hiring the best team of experts who have prior experience in the same field and can guide you through the development process.

12. FUTURE SCOPE

In future,Nutrition app plays a vital role in day to day life. Everyone is busy with their work and schedules . Noone cares about their body condition and health issues . So this website will be more useful compared to anyother websites . This site will provide everyday diet and workouts plans to lead healthy and a peaceful life . This site will helps you to be fit by calculating your calories in food when you upload the food picture in the site .

Nowadays , Smart watches helps to calculate your blood pressure , stress level , water content level and mainly it helps you to count your foot steps and makes you fit and healthier. Likewise this site will helps people to eat stay healthy.

13. APPENDIX

Source Code

```
const signUpButton = document.getElementById('signUp');
const signInButton = document.getElementById('signIn');
const container = document.getElementById('container');

const switchone = document.getElementById('c1');
const switchtwo = document.getElementById("c2");
const switchthree = document.getElementById('c3');
const switchfour = document.getElementById('c4');

const Fswitchone = document.getElementById('l1');
const Fswitchtwo = document.getElementById("l2");
const Fswitchthree = document.getElementById('l3');
const Fswitchfour = document.getElementById('l4');

const space = document.getElementById('infos');

var pre_state = 0;
```

```
  var stateone = 0;
  var statetwo = 0;
  var statethree = 0;

  signUpButton.addEventListener('click', () => {
  container.classList.add("right-panel-active");
});

  signInButton.addEventListener('click', () => {
  container.classList.remove("right-panel-active");
});

switchone.addEventListener('click', remover);
switchtwo.addEventListener('click', signin);
switchthree.addEventListener('click', Signup)
switchfour.addEventListener('click', about);

Fswitchone.addEventListener('click', remover);
Fswitchtwo.addEventListener('click', signin);
Fswitchthree.addEventListener('click', Signup)
Fswitchfour.addEventListener('click', about);


function remover() {

  if(pre_state == 1){
    pre_state = 0;
    space.classList.remove("spaceimp");
    document.getElementById("abouts").style.display = "none";
    document.getElementById("logins").style.display = "none";
    document.getElementById("l1").style.display = "flex";
    document.getElementById("l2").style.display = "flex";
    document.getElementById("l3").style.display = "flex";
    document.getElementById("l4").style.display = "flex";
}
}
```

```
function div_adder () {
  space.classList.add("spaceimp");
  document.getElementById("abouts").style.display = "none";
  document.getElementById("logins").style.display = "block";
  document.getElementById("l1").style.display = "none";
}

function about_adder () {
  //space.classList.add("spaceimp");
 // remover();
  document.getElementById("abouts").style.display = "block";
  document.getElementById("l1").style.display = "none";
  document.getElementById("l2").style.display = "none";
}
function signin() {

  if(pre_state == 0) {
    pre_state = 1;
    stateone = 1;
    statetwo = 0;
    statethree = 0;
    container.classList.remove("right-panel-active");
    div_adder();
  }else {
    if(stateone == 0) {
      pre_state = 1;
      stateone = 1;
      statetwo = 0;
      statethree = 0;
      container.classList.remove("right-panel-active");
      div_adder();
    }else {
      remover();
    }
  }
```

```
}

function Signup() {

  if(pre_state == 0) {
    pre_state = 1;
    stateone = 0;
    statetwo = 1;
    statethree = 0;
    container.classList.add("right-panel-active");
    div_adder();
  }else {
    if(statetwo == 0) {
      pre_state = 1;
      stateone = 0;
      statetwo = 1;
      statethree = 0;
      container.classList.add("right-panel-active");
      div_adder();
    }else {
      remover();
    }
  }
}

function about() {
  if(pre_state == 0){
    pre_state = 1;
    stateone = 0;
    statetwo = 0;
    statethree = 3;
    about_adder();
  }else{
    if(statethree == 0){
      remover();
```

```
      pre_state = 1;
      stateone = 0;
      statetwo = 0;
      statethree = 3;
      about_adder();
    }else{
      remover();
    }
  }
 }
function unvisible(x) {
    if(pre_state == 0) {
      document.getElementById("l1").style.display = "none";
      document.getElementById("l2").style.display = "none";
      document.getElementById("l3").style.display = "none";
      document.getElementById("l4").style.display = "none";
    }
  }
  function visible(x){
    if(pre_state == 0) {
      document.getElementById("abouts").style.display = "block";
      //space.classList.add("spaceimp");
      container.classList.add("right-panel-active");
      document.getElementById("l1").style.display = "none";
      document.getElementById("l2").style.display = "none";
      document.getElementById("l3").style.display = "none";
      document.getElementById("l4").style.display = "none";
    }
  }
  function unsignin(x) {
    if(pre_state == 0){
      container.classList.remove("right-panel-active");
      space.classList.remove("spaceimp");
      document.getElementById("logins").style.display = "none";
      document.getElementById("abouts").style.display = "none";
      document.getElementById("l1").style.display = "flex";
```

```
    document.getElementById("l2").style.display = "flex";
    document.getElementById("l3").style.display = "flex";
    document.getElementById("l4").style.display = "flex";
   }
}
function signinOne(x){
  if(pre_state == 0) {
    container.classList.remove("right-panel-active");
    space.classList.add("spaceimp");
    document.getElementById("logins").style.display = "block";
    document.getElementById("l1").style.display = "none";
    document.getElementById("l2").style.display = "none";
    document.getElementById("l3").style.display = "none";
    document.getElementById("l4").style.display = "none";
  }
}
function signinTwo(x){
  if(pre_state == 0) {
    document.getElementById("logins").style.display = "block";
    space.classList.add("spaceimp");
    container.classList.add("right-panel-active");
    document.getElementById("l1").style.display = "none";
    document.getElementById("l2").style.display = "none";
    document.getElementById("l3").style.display = "none";
    document.getElementById("l4").style.display = "none";
  }
function setcon(x) {
  if(pre_state == 0) {
    document.getElementById("abouts").style.display = "block";
      //space.classList.add("spaceimp");
    container.classList.add("right-panel-active");
    document.getElementById("l1").style.display = "none";
    document.getElementById("l2").style.display = "none";
    document.getElementById("l3").style.display = "none";
    document.getElementById("l4").style.display = "none";
    }
```

}}

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9Bv1WTRi" crossorigin="anonymous">
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//f6V8Qbsw3" crossorigin="anonymous"></script>
  <title>Nutrition Assistant</title>
  <link rel="stylesheet" href="style.css">
  <style>
  </style>
</head>
<body>
  <div class="container-fluid">
    <div class="row">
      <div class="col-lg-5 colh heading">
        <p class="display-3">Nutrition Assistant</p>
      </div>
      <div class="col-lg-7 colh">

        <div>
          <ul class="lists">
            <li> <a id="c1" href="#cont_1">Home</a></li>
            <li onmouseover = "signinOne(this)" onmouseout="unsignin(this)"> <a id="c2" href="#logins">SignIn</a></li>
            <li onmouseover = "signinTwo(this)" onmouseout="unsignin(this)"> <a id="c3" href="#logins">SignUp</a></li>
```

```
          <li onmouseover = "visible(this)" onmouseout="unsignin(this)"> <a id="c4" href="#abouts">About</a></li>
          </ul>
        </div>
      </div>
    </div>
  </div>

  <div class="container-fluid content">
    <div class="row">
        <img src="5912.jpg">
    </div>
    <div class ="image">

    </div>
    <div class="col-lg info" id="infos">
      <div class="cont_1 pb-0">

      <div id="logins" class="login">
        <div class="container" id="container">
          <div class="form-container sign-up-container">
            <form action="/register" method="post" enctype="multipart/form-data">
            <h1>Create Account</h1>

            <input type="text" name="name" placeholder="Name" required />
            <input type="email" name="email" placeholder="Email" required />
            <input type="password" name="pass" placeholder="Password" required />
            <button>Sign Up</button>
            </form>
          </div>
          <div class="form-container sign-in-container">
            <form action="/home" method="post" enctype="multipart/form-data">
            <h1>Sign in</h1>
              <input STYLE="display:none" type="text" name="name" placeholder="Name"/>
              <input type="email" name="email" placeholder="Email" required />
              <input type="password" name="pass" placeholder="Password" required />
```

```
            <a href="/forgot">Forgot your password?</a>
            <button>Sign In</button>
            </form>
          </div>
          <div class="overlay-container">
            <div class="overlay">
            <div class="overlay-panel overlay-left">
              <h1>Welcome Back!</h1>
              <p>To keep connected with us please login with your personal info</p>
              <button class="ghost" id="signIn">Sign In</button>
            </div>
            <div class="overlay-panel overlay-right">
              <h1>Hello, Friend!</h1>
              <p>Enter your personal details and start journey with us</p>
              <button class="ghost" id="signUp">Sign Up</button>
            </div>
            </div>
          </div>
          </div>
        </div>
        <div class="about" id="abouts">
          <p>
            Nutrition Assistant is a web-based tool that is capable of calculating nutrition
            from an image. It uses a food model to detect food items from images and a nutrition
            API to calculate nutrition information.
          </p>
        </div>
        </div>
      </div>
    </div>
  </div>

</body>
<script src="index.js">
  function ont() {
    document.getElementById('info').style.color = 'red';
```

```
  }
</script>
<script>
  window.watsonAssistantChatOptions = {
    integrationID: "4a603e76-8f59-4fcd-b826-8bf529498ba4", // The ID of this integration.
    region: "jp-tok", // The region your integration is hosted in.
    serviceInstanceID: "969aa05a-ff29-4d90-9012-ed8e7c6b1ccf", // The ID of your service instance.
    onLoad: function(instance) { instance.render(); }
  };
  setTimeout(function(){
    const t=document.createElement('script');
    t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" + (window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
    document.head.appendChild(t);
  });
</script>
</html>
```

Style.css

```
        @media only screen and (max-width :768px ) {
    .colh {
      height: auto;
    }

    .lists {
      height: 330px;
      overflow: auto;
      flex-direction: column;
    }

  }


  body {
    background-color: rgb(255, 255, 255);
```

```
    font-family: Futura ,Trebuchet MS,Arial,sans-serif;
    min-height: 100vh;
    font-size: 1.3rem;
  }
  .heading {
    color: #330c3a;
  }
  .colh {
    height: auto;
    display: flex;
    justify-content: center;
    align-items: center;
    padding: 50px 0;
  }

  .colh > div {
    width: 100%;
  }
  .spaceimp {
    margin-bottom: 200px;
  }
  .lists {
    list-style-type: none;
    display: flex;
    font-size: 1.2rem;
    justify-content: space-around;
    align-items: center;
    align-content: center;
    transition: 2.8s;
  }
  .image{
   margin-top: 30px;
}
  .lists > li {
    text-decoration: none;
  }
```

```
.lists > li > a {
  text-decoration: none;
  padding: 10px 40px;
  color: rgb(11, 9, 9);
  transition: .8s ease-in;
  border-radius: 26px;
  background: #e3e3e3;
  box-shadow: inset -17px 17px 33px #d1d1d1,
      inset 17px -17px 33px #f5f5f5;
}
.lists > li > a:hover {
  color: rgb(251, 249, 249);
  border-radius: 26px;
  background: #131111;
  box-shadow:  -11px 11px 22px #8a8484,
       11px -11px 22px #a49d9d;
}
p {
  text-align: justify;
}
.info {
  min-height: 50vh;
  color: rgb(1, 9, 9);
  min-width: 10vw;
  padding-left: 30px;
}
.content {
  margin-top: 50px;
  padding-bottom: 50px;
  box-sizing: border-box;
}
.content > info > p {
  font-size: 2.5rem;
}
```

```
  .cont_1 {
    width: 100%;
    height: 100%;
    display: flex;
    justify-content: top;
    align-items: flex-end;
    flex-direction: column;
    flex-grow: 1;
    padding: 0 10px 0 0;
    position: relative;
  }
  .login {
    width: 100%;
    height: 100%;
    left: 0;
    top: 0;
    position: absolute;
    z-index: 1;
    display: none;
    margin-bottom: 50px;
    animation-name: loginhidder;
    animation-duration: 2s;
  }
  .about {
    background-color:  #691977;
    min-height: 200px;
    width: 80%;
    border-radius: 25px;
    margin-right: 10%;
    margin-top: 100px;
    padding: 20px;
    -webkit-box-shadow: 3px 3px 5px 6px rgb(89, 82, 82);  /* Safari 3-4, iOS 4.0.2 - 4.2, Android
2.3+ */
    -moz-box-shadow:    3px 3px 5px 6px rgb(89, 82, 82);  /* Firefox 3.5 - 3.6 */
    box-shadow:         3px 3px 5px 6px rgb(89, 82, 82);
    display: none;
```

```
  animation-name: loginhidder;
  animation-duration: 2s;
}
@keyframes loginhidder {
  0% {opacity: 0;}
  50% {opacity: .5;}
  100% {opacity: 1;}
}
.list {
  padding-left: 80px;
}
.options{
  padding: 0px 15px;
  background-color: rgba(188, 196, 196,0.8);
  box-sizing: border-box;
  text-align: center;
  margin-bottom: 20px;
  border-radius: 25px;
  display: flex;
  width: 90%;
  transition: opacity .9s;
}
.options > p {
  display: flex;
  justify-content: center;
  align-items: center;
  align-content: center;
  font-size: 1.2rem;
  font-style: bold;
}
#l1 {
  position: relative;
  animation-name: example;
  animation-duration: 1s;
}
```

```
#l2 {
  position: relative;
  animation-name: example;
  animation-duration: 1.5s;
}
#l3 {
  position: relative;
  animation-name: example;
  animation-duration: 2s;
}
#l4 {
  position: relative;
  animation-name: example;
  animation-duration: 2.5s;
}
@keyframes example {
0% {left:800px;}
     1% {left:792px;}
     2% {left:784px;}
     3% {left:776px;}
     4% {left:768px;}
     5% {left:760px;}
     6% {left:752px;}
     7% {left:744px;}
     8% {left:736px;}
     9% {left:728px;}
     10% {left:720px;}
     11% {left:712px;}
     12% {left:704px;}
     13% {left:696px;}
     14% {left:688px;}
     15% {left:680px;}
     16% {left:672px;}
     17% {left:664px;}
     18% {left:656px;}
     19% {left:648px;}
```

```
        20% {left:640px;}
        21% {left:632px;}
        22% {left:624px;}
        23% {left:616px;}
        24% {left:608px;}
        25% {left:600px;}
        26% {left:592px;}
        27% {left:584px;}
        28% {left:576px;}
        29% {left:568px;}
        30% {left:560px;}
        31% {left:552px;}
        32% {left:544px;}
        33% {left:536px;}
        34% {left:528px;}
        35% {left:520px;}
        36% {left:512px;}
        37% {left:504px;}
        38% {left:496px;}
        39% {left:488px;}
        40% {left:480px;}
        41% {left:472px;}
        42% {left:464px;}
        43% {left:456px;}
        44% {left:448px;}
        45% {left:440px;}
        46% {left:432px;}
        47% {left:424px;}
        48% {left:416px;}
        49% {left:408px;}
        50% {left:400px;}
}

h1 {
        font-weight: bold;
        margin: 0;
```

```
}

h2 {
        text-align: center;
}

p {
        font-size: 14px;
        font-weight: 100;
        line-height: 20px;
        letter-spacing: 0.5px;
        margin: 20px 0 30px;
}

.info > p {
  font-size: 1.2rem ;
  font-weight: 20;
          line-height: 30px;
          letter-spacing: 1px;
          margin: 20px 0 30px;
}

a {
        color: #333;
        font-size: 14px;
        text-decoration: none;
        margin: 15px 0;
}

button {
        border-radius: 20px;
        border: 1px solid hsl(276, 76%, 8%);
        background-color: #2e0637;
        color: #FFFFFF;
        font-size: 12px;
        font-weight: bold;
```

```
        padding: 12px 45px;
        letter-spacing: 1px;
        text-transform: uppercase;
        transition: transform 80ms ease-in;
}

button:active {
        transform: scale(0.95);
}

button:focus {
        outline: none;
}

button.ghost {
        background-color: transparent;
        border-color: #FFFFFF;
}

form {
        background-color: #FFFFFF;
        display: flex;
        align-items: center;
        justify-content: center;
        flex-direction: column;
        padding: 0 50px;
        height: 100%;
        text-align: center;
}

input {
        background-color: #eee;
        border: none;
        padding: 12px 15px;
        margin: 8px 0;
        width: 100%;
```

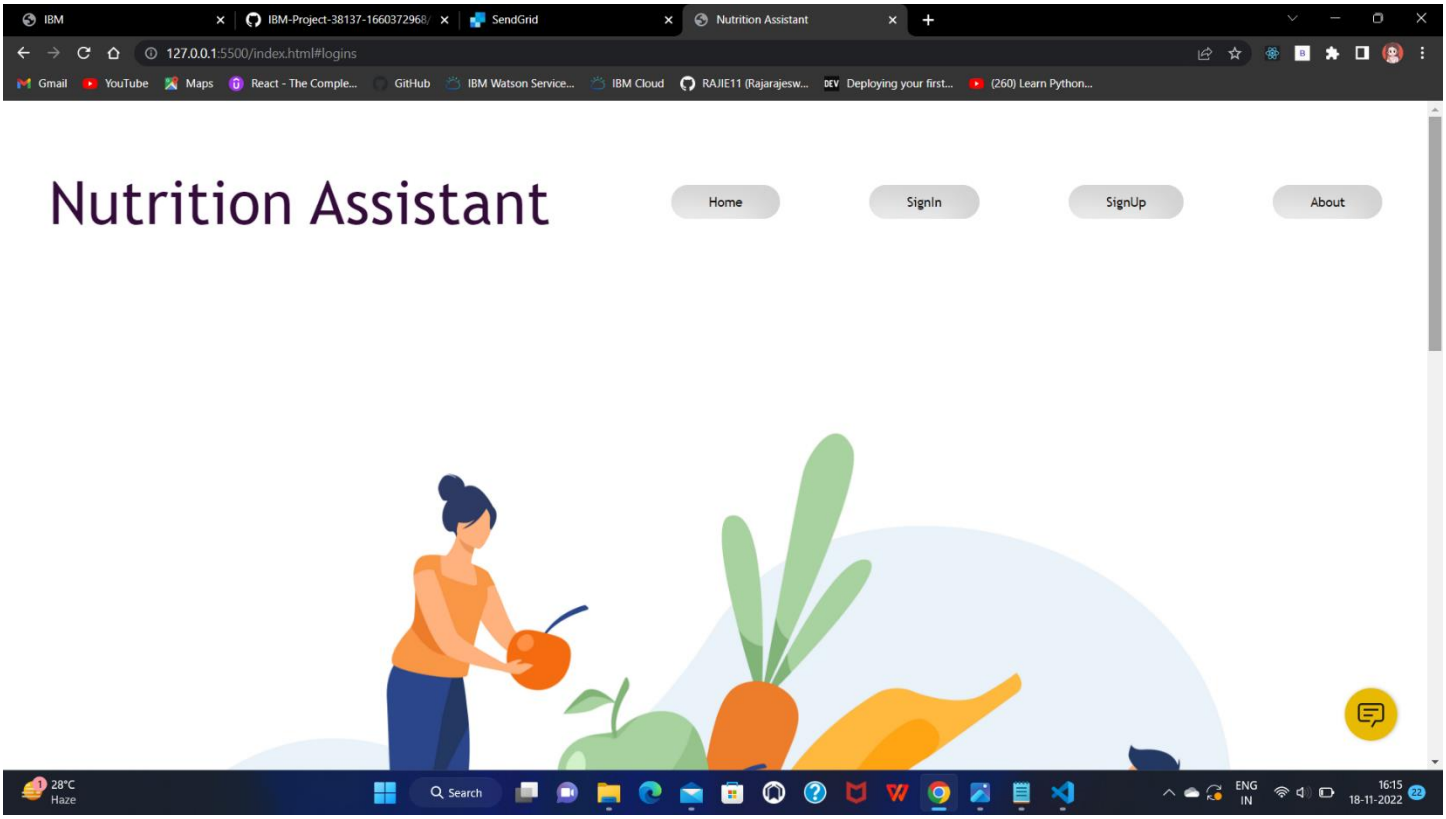
```
}

.container {
	background-color: #fff;
	border-radius: 10px;
	box-shadow: 0 14px 28px rgba(0,0,0,0.25),
		0 10px 10px rgba(0,0,0,0.22);
	position: relative;
	overflow: hidden;
	width: 768px;
	max-width: 100%;
	min-height: 480px;
}

.form-container {
	position: absolute;
	top: 0;
	height: 100%;
	transition: all 0.6s ease-in-out;
}

.sign-in-container {
	left: 0;
	width: 50%;
	z-index: 2;
}

.container.right-panel-active .sign-in-container {
	transform: translateX(100%);
}

.sign-up-container {
	left: 0;
	width: 50%;
	opacity: 0;
	z-index: 1;
```

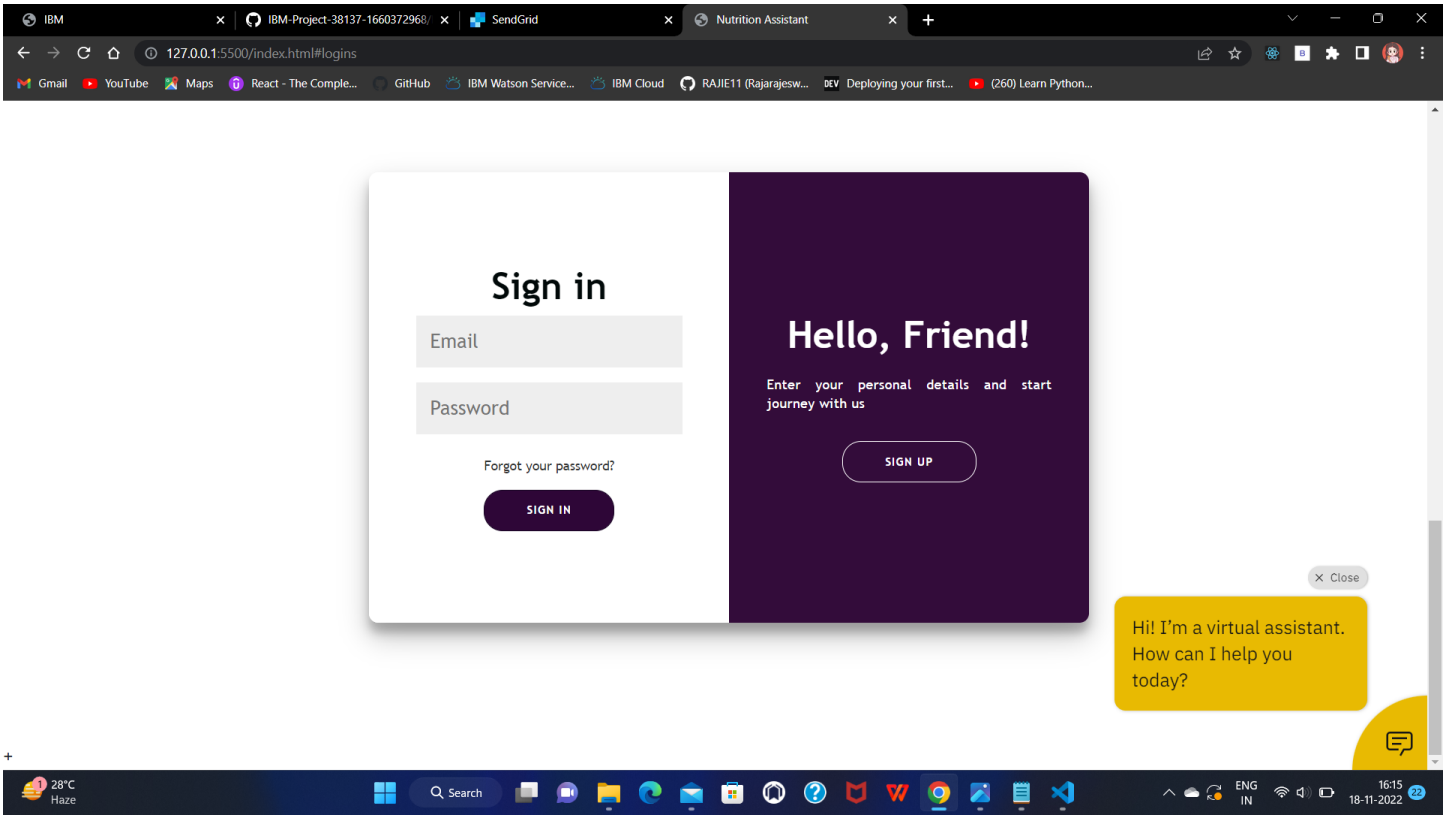
```
}

.container.right-panel-active .sign-up-container {
	transform: translateX(100%);
	opacity: 1;
	z-index: 5;
	animation: show 0.6s;
}

@keyframes show {
	0%, 49.99% {
	  opacity: 0;
	  z-index: 1;
	}

	50%, 100% {
	  opacity: 1;
	  z-index: 5;
	}
}

.overlay-container {
	position: absolute;
	top: 0;
	left: 50%;
	width: 50%;
	height: 100%;
	overflow: hidden;
	transition: transform 0.6s ease-in-out;
	z-index: 100;
}

.container.right-panel-active .overlay-container{
	transform: translateX(-100%);
}
```

```
.overlay {
	background: #330c3a;
	background: -webkit-linear-gradient(to right,#330c3a, #330c3a);
	background: linear-gradient(to right, #330c3a, #330c3a);
	background-repeat: no-repeat;
	background-size: cover;
	background-position: 0 0;
	color: #FFFFFF;
	position: relative;
	left: -100%;
	height: 100%;
	width: 200%;
	transform: translateX(0);
	transition: transform 0.6s ease-in-out;
}

.container.right-panel-active .overlay {
	  transform: translateX(50%);
}

.overlay-panel {
	position: absolute;
	display: flex;
	align-items: center;
	justify-content: center;
	flex-direction: column;
	padding: 0 40px;
	text-align: center;
	top: 0;
	height: 100%;
	width: 50%;
	transform: translateX(0);
	transition: transform 0.6s ease-in-out;
}

.overlay-left {
```

```
        transform: translateX(-20%);
    }

    .container.right-panel-active .overlay-left {
        transform: translateX(0);
    }

    .overlay-right {
        right: 0;
        transform: translateX(0);
    }

    .container.right-panel-active .overlay-right {
        transform: translateX(20%);
    }


/*input[type=text], input[type=password] {
        width: 100%;
        padding: 2px 10px;
        margin: 8px 0;
        display: inline-block;
        border: 0px solid #ccc;
        box-sizing: border-box;
     border: 1;
    }
    button {
     width: 100%;
     margin-top: 30px;
     background-color: green;
     border: 0;
     padding: 5px;
    }*/
```

Outputs:


IBM
IBM-Project-38137-1660372968/
SendGrid
Nutrition Assistant
127.0.0.1:5500/index.html#logins
Gmail
YouTube
Maps
React - The Comple...
GitHub
IBM Watson Service...
IBM Cloud
RAJIE11 (Rajarajesw...
Deploying your first...
(260) Learn Python...
Nutrition Assistant
Home
SignIn
SignUp
About
28°C
Haze
Search
ENG
IN
16:15
18-11-2022


IBM
IBM-Project-38137-1660372968/
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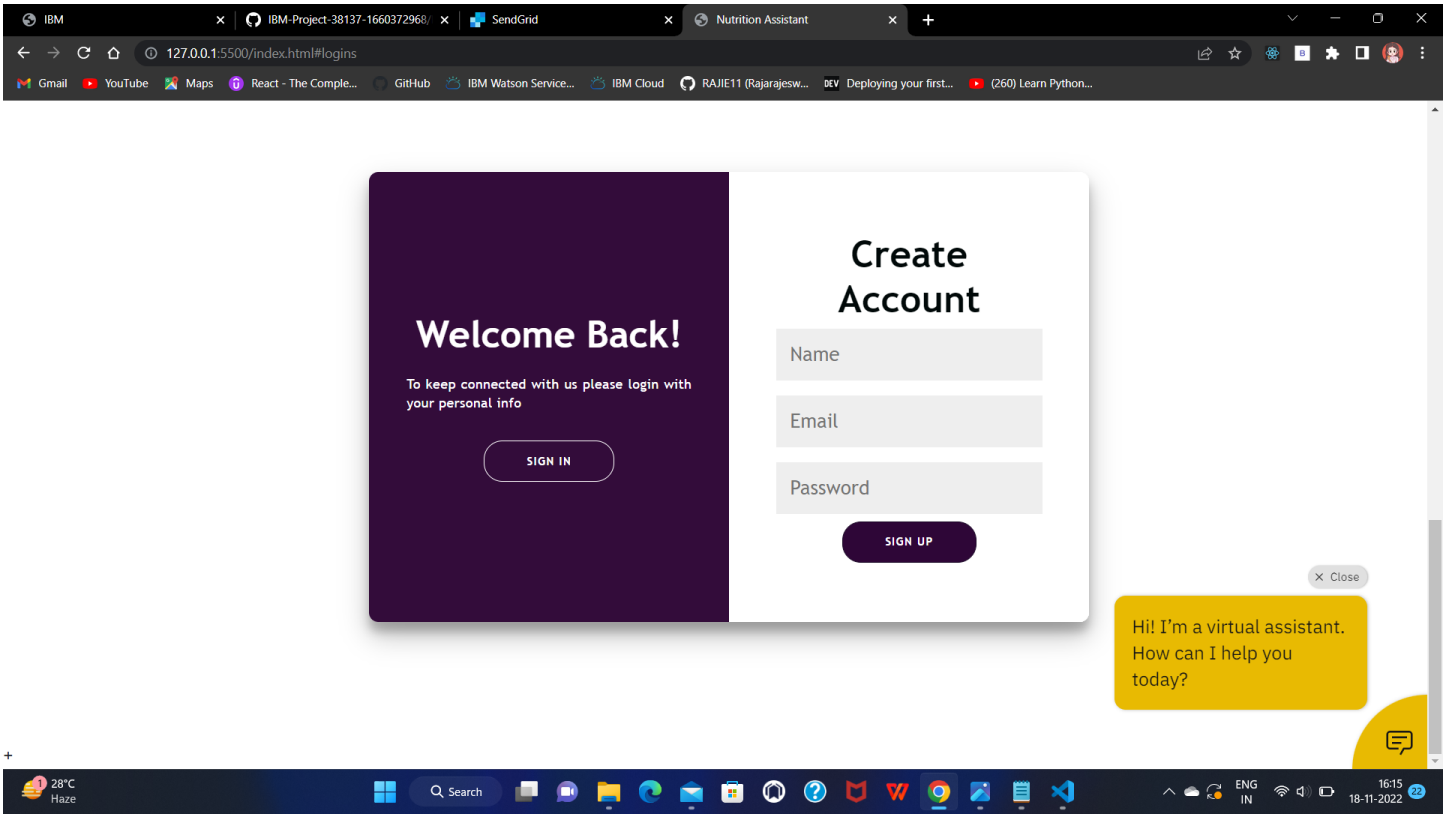
18-11-2022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IBM-Project-38137-1660372968/
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127.0.0.1:5500/index.html#logins
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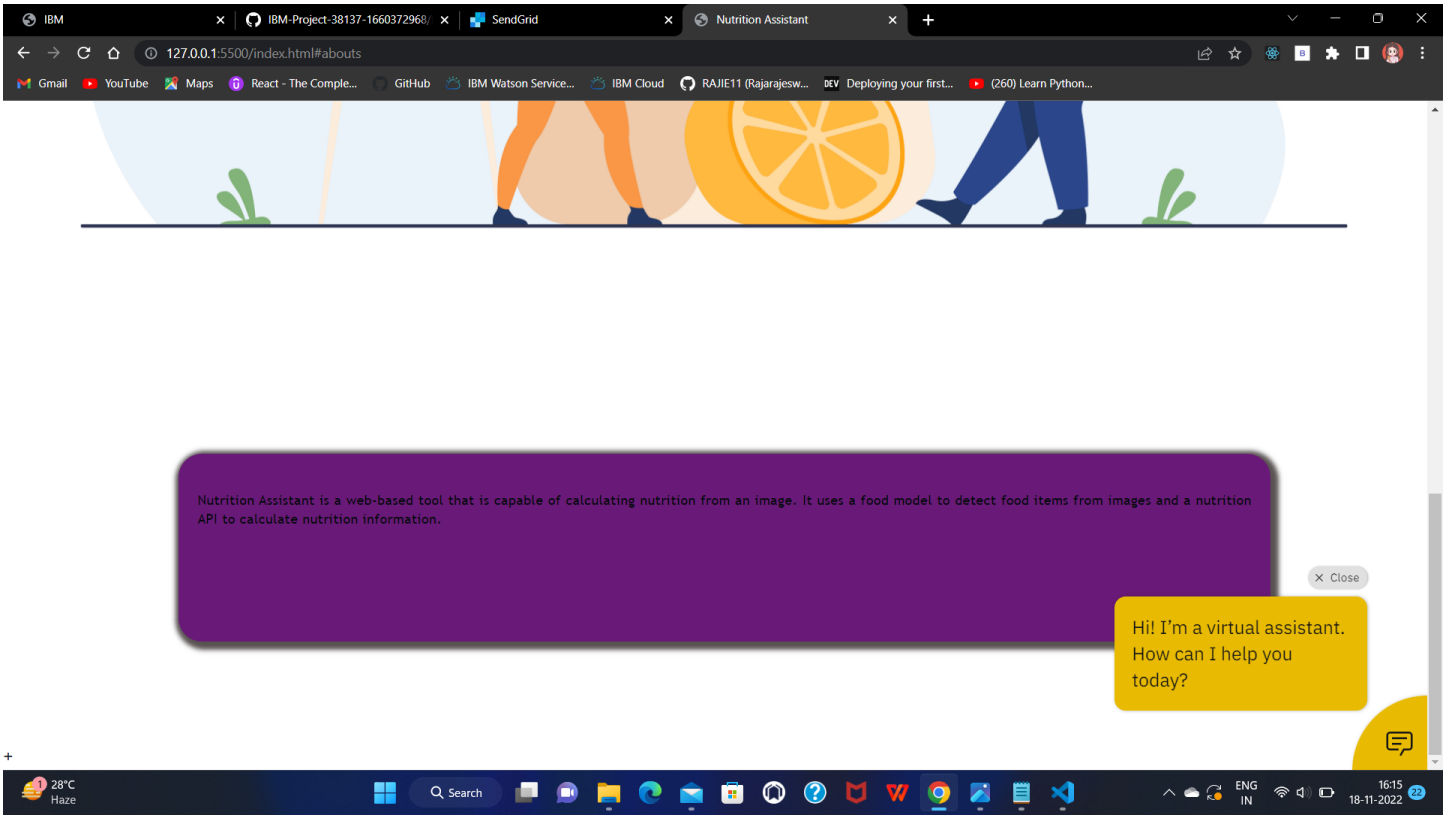
16:15
18-11-2022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