ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

APPLE PARADISE

23ITR201 & FUNDAMENTALS OF WEB DESIGN

MINI PROJECT REPORT

Name : SUGANTHARAJ .T

Roll No. : 717823I158

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ABSTRACT

This HTML document represents a landing page for a fruit shop, specifically focusing on apples grown in Kashmir. The page includes sections for About Us, Varieties of Apples, Our Service, Benefits of Apples (including an embedded YouTube video), and Contact information. It features responsive design elements, such as a navigation bar, section headings, images, descriptive text, and a contact form. The design utilizes a red color scheme with white text for contrast, emphasizing freshness and quality.

1.   INTRODUCTION

1.1. Objective

The objective of the provided HTML code is to create a landing page for a fruit shop, specifically focusing on the sale of apples grown in Kashmir. The webpage aims to attract customers by showcasing the freshness, variety, and benefits of Kashmiri apples. It provides information about the company, details about different apple varieties available, highlights the services offered, and outlines the benefits of purchasing apples from the shop. Additionally, the webpage includes a contact section for customers to make inquiries or place orders. The overall goal is to promote the fruit shop's products and services in an appealing and informative manner.

REQUIREMENTS SPECIFICATION

1.2.   Requirements

- ➤ NEEDED VISUAL STDIO CODE PLATFORM TO CODE

- ➤ EXTERNAL CSS FILE

- ➤ CSS

- ➤ EXTERNAL FILES WITH ATTACHED IMAGES

- ➤ GRADIENT

- ➤ CSS STYLING

- ➤ EXTERNAL LINKS

- ➤ EXTERNAL API's

- ➤ JAVASCRIPT FUNCTIONALITY

3.DETAILED DESIGN

HTML:

The HTML module defines the structure and content of the dynamic search webpage.It includes elements such as <input> for search input, <button> for website selection, and <div> for displaying search results and suggestions.The HTML structure is organized using semantic tags such as <header>, <main>, and <footer> for better readability and accessibility.Each element is assigned appropriate IDs and classes for easy styling and JavaScript interaction.Accessibility features such as aria-label and aria-describedby are used to enhance usability for users of assistive technologies.

CSS:

The CSS module provides styling instructions to enhance the visual appearance of the webpage.It defines styles for typography, colors, layout, and interactive elements.Selectors target specific HTML elements using IDs, classes, and pseudo-classes to apply styling rules.Responsive design techniques such as media queries and flexbox/grid layout are employed to ensure proper display across different devices and screen sizes.CSS variables are used to store reusable values for easier maintenance and consistency.Styles are optimized for performance, with minimal use of unnecessary properties and selectors.

JavaScript:

The JavaScript module adds dynamic functionality to the webpage, enabling interactive features and search capabilities.Event listeners are added to elements such as the search input field and website selection buttons to handle user interactions.Functions are defined to perform tasks

such as displaying search suggestions, fetching data from APIs using AJAX, and updating the DOM with search results.Modular design principles are followed, with related functions grouped together and named according to their purpose for better organization and readability.Error handling mechanisms are implemented to gracefully handle unexpected situations, such as failed API requests or invalid user input.Best practices such as avoiding global variables, using strict mode, and commenting code are followed to ensure maintainability and scalability.

4. PROJECT IMPLEMENTATION

MAIN FILE CODE :

```html
<!DOCTYPE html>
<html lang="en">
 <head>
   <title>Fruit Shop Landing Page</title>
   <meta charset="UTF-8" />
   <meta name="viewport" content="width=device-width" />


   <style>
    body{
    background-color: #ec8484;
    }
   .btn {
    border: none;
    font-size: 2rem;
    border-radius: 0.4rem;
    padding: 2rem;
    background-color: #e23d3d;
    color: #fafafa;
    outline: 0;
    box-shadow: 0 10px 20px rgba(0, 0, 0, 0.19), 0 6px 6px
rgba(0, 0, 0, 0.23);
    transition: all 0.2s;
   }

   .btn:hover {
    background-color: #f84848;
```

```css
    cursor: pointer;
   }
   footer {
    font-size: 1.4rem;
    background-color: #ce2f2f;
    text-align: center;
    padding: 2rem;
    box-shadow: 0 10px 20px rgba(0, 0, 0, 0.19), 0 6px 6px
rgba(0, 0, 0, 0.23);
    color: #fafafa;
   }
   .section-heading {
    font-size: 2.5rem;
    font-family: "Montserrat", sans-serif;
    font-weight: 500;
    line-height: 1.2;
    margin: 0;
    padding: 5rem 0 5rem 0;
    text-align: center;
   }

.tile h4 {
  font-size: 2rem;
  font-weight: 600;
  padding: 1rem 0;
  color: #e23d3d;
  margin: 0;
}
.tile p {
  font-size: 1.6rem;
```

```css
    padding: 0;
    margin: 0;
}
.txt-container h5 {
  font-size: 4rem;
  font-weight: 500;
  padding: 0;
  margin: 0;
  font-family: "Montserrat", sans-serif;
}
.txt-container p {
  font-size: 2.3rem;
#our-service {
  background-color: #ee6f57;
}</style>
  </head>
  <body>
    <header id="header">
      <div class="header-content-div">
        <a href="#home-sec">
          <img
            src="https://i.ibb.co/KsztxWq/logo1.png"
            alt="Company Logo"
            id="header-img"
        /></a>
        <nav id="nav-bar">
          <a href="#about" class="nav-link">ABOUT</a>
          <a href="#varieties" class="nav-link">VARIETIES</a>
          <a href="#our-service" class="nav-link">OUR
SERVICE</a>
```

```html
          <a href="#benefits" class="nav-link">BENEFITS</a>
       </nav>
     </div>
   </header>
   <main>
    <section id="home-sec" class="flexible home-sec">
      <div class="eye-grabber-img">
       <img     src="https://i.ibb.co/T4czpqY/apples-red-fresh-
mellow-juicy-perfect-whole-on-white-desk.jpg"  alt="Image  of
Apples" width="100px"/>
      </div>
      <div class="eye-grabber">
       <h1>Fresh, Crispy, Heavenly.</h1>
       <h2>
         100%  Organic,  vivid  varieties  of  apples  grown  in
Kashmir aka The
         Heaven of Earth.
       </h2>
       <button   class="btn"   onclick="window.location.href  =
'#contact';">
         Buy Now
       </button>
      </div>
    </section>
    <section id="about" class="sec-padding">
     <h3 class="section-heading">ABOUT US</h3>
     <div class="sec-content-div flexible">
      <p>
        We are a group of people with decades of experience in
growing and
```

selling apples. We know what a good apple looks like and how they

are grown. This essential fruit requires a temperate climate, loamy

soil that is rich in organic matter apart from needing proper

drainage and aeration facilities. Lucky for us we live in Kashmir

which is proudly known as paradise of earth is also home to

temperate fruits like apple for which the state is very famous

across globe. The main factor which influence temperate fruit

bearing trees is soil, climate and environment which are highly

favorable and unparalleled in the province of Kashmir. Kashmiri

apples a unique look, taste, flavor, size and color.
        </p>

      </div>
    </section>
    <section id="varieties" class="sec-padding">
      <h3 class="section-heading">VARIETIES</h3>
      <div class="sec-content-div flexible">
        <div class="tile">


```html
        <h4>Amber</h4>
        <p>
          This red, medium-sized fruit becomes fully ripe in mid-
October. It
          is mostly grown in Shopian and Kulgam.
        </p>
      </div>
      <div class="tile">
        <img
          src="https://i.ibb.co/H4Cnh7v/american-trel.png"
          alt="photo of american trel apples"
        />
        <h4>American Trel</h4>
        <p>
          A small, rounded, very crispy and sweet fruit variety
that ripens
          in mid-September.
        </p>
      </div>
      <div class="tile">
        <img src="https://i.ibb.co/jTDgqYB/red-delicious.png"
alt="photo of red delicious apple" />
        <h4>Red Delicious</h4>
        <p>
          A very popular and widely cultivated variety of apple
that ripens
          in mid-September. Its flesh is greenish white, grainy
and juicy.
        </p>
      </div>
```

```html
        <div class="tile">
        <img     src="https://i.ibb.co/MSvg1QN/maharaja.png"
alt="photo of Maharaej apples" />
        <h4>Maharaej</h4>
        <p>
         A large apple with red and green color. It tastes a bit
sour but
          sweetens with time and is available by late October.
        </p>
        </div>
        <div class="tile">
        <img        src="https://i.ibb.co/zVR1LB2/hazal.png/"
alt="photo of Hazratbael apples" />
        <h4>Hazratbael</h4>
        <p>
         A quickly perishable variety that ripens in early July. It
is the
          oldest variety of apples cultivated in the valley and is
mostly
          consumed domestically
        </p>
        </div>
        <div class="tile">
        <img        src="https://i.ibb.co/BNFrnZn/golden.png"
alt="photo of Golden Delicious apples" />
        <h4>Golden Delicious</h4>
        <p>
         A variety with comparatively longer shelf life, it is
crispy,
```

juicy and has thick greenish-white flesh which turns golden upon
ripening. It is available till January.
      </p>
     </div>
    </div>
   </section>
   <section id="our-service" class="sec-padding">
    <h3 class="section-heading">OUR SERVICE</h3>
     <div class="sec-content-div">
      <div class="bars">
       <div class="icon-container">

       </div>
       <div class="txt-container">
        <h5>Fresh</h5>
        <p>We deliver fresh apples with a 100% guarantee of freshness.</p>
       </div>
      </div>
      <div class="bars">
       <div class="icon-container">

       </div>
       <div class="txt-container">
        <h5>Fast</h5>
        <p>

```html
                We deliver your orders as fast as possible, delivery
procedure
          begins as soon as apple is plucked from tree.
        </p>
       </div>
     </div>
      <div class="bars">
       <div class="icon-container">
        <img      src="https://i.ibb.co/HHQK1wV/happy.png"
alt="" />
        </div>
        <div class="txt-container">
         <h5>Satisfying</h5>
         <p>
          We guarantee 100% customer satisfaction. We do our
best to make
          your purchase experience smooth. But if we mess up
somehow you
          will get compensated for every inconvenience.
         </p>
        </div>
       </div>
      </div>
    </section>
    <section id="benefits" class="sec-padding">
     <h3 class="section-heading">BENEFITS</h3>
      <div class="sec-content-div flexible">
       <iframe
         id="video"
         width="560"
```
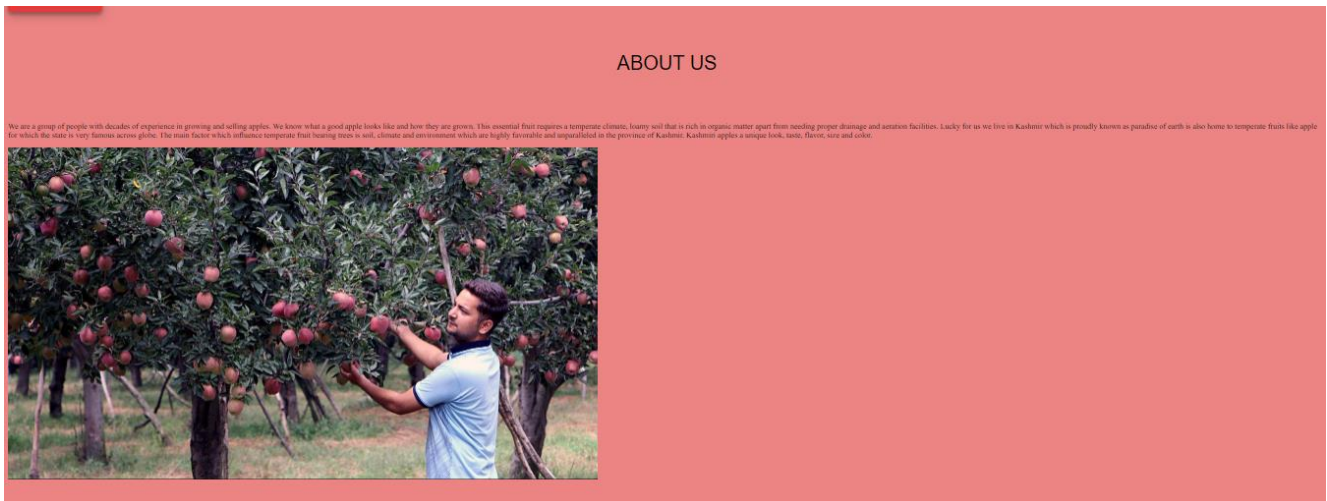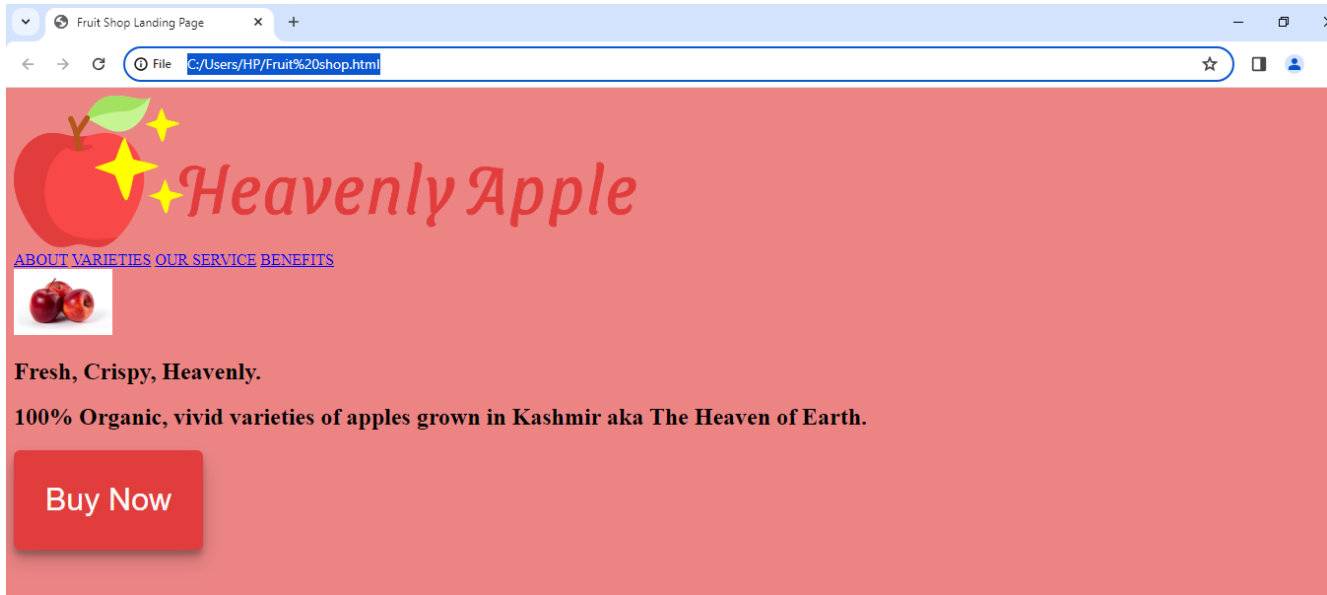
```html
          title="Benefits of Apple"
          height="315"
          src="https://www.youtube.com/embed/W_JOJNztrnI"
          allow="accelerometer;    autoplay;    clipboard-write;
encrypted-media; gyroscope; picture-in-picture"
          allowfullscreen
        ></iframe>
      </div>
    </section>
    <section class="sec-padding" id="contact">
      <h3 class="section-heading">CONTACT</h3>
      <div class="sec-content-div flexible">
        <h6>To make an order or just to know more contact us
:</h6>
        <form
          id="form"
          action=""
          method="POST"
        >
          <input
            type="email"
            name="email"
            id="email"
            placeholder="Your Email Address"
            required
          />
          <input    type="submit"    class="button"    id="submit"
value="Know More" />
        </form>
      </div>
```

```html
    </section>
  </main>
  <footer>
   Created by
   <a href="#">Sugantharaj</a>
  </footer>
 </body>
</html>
```

5. CONCLUSION

VARIETIES

Amber

This red, medium-sized fruit becomes fully ripe in mid-October. It is mostly grown in Shopian and Kalgam.

American Trel

A small, rounded, very crispy and sweet fruit variety that ripens in mid-September.

Red Delicious

A very popular and widely cultivated variety of apple that ripens in mid-September. Its flesh is greenish white, grainy and juicy.

Maharaji

A large apple with red and green color. It tastes a bit sour but sweetens with time and is available by late October.

Hazratbaal

A quickly perishable variety that ripens in early July. It is the oldest variety of apples cultivated in the valley and is mostly consumed domestically.

OUR SERVICE

Fresh

We deliver fresh apples with a 100% guarantee of freshness.

Fast

We deliver your orders as fast as possible, delivery procedure begins as soon as apple is plucked from tree.

Satisfying

We guarantee 100% customer satisfaction. We do our best to make your purchase experience smooth. But if we mess up somehow you will get compensated for every inconvenience.

BENEFITS