

Front-End UI/UX Mini Projects

Project 1:-

1. Title Page

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- **Submitted By:**
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- **Course:** UI/UX Frontend Web Design and Development.
- **Instructor Name:** NarendraKumar Gopineedi Sir
- **Institution:** Lamrin Tech Skill University, Ropar, Punjab.
- **Date of Submission:** 05/01/2026

2. Abstract

Jaipur Unveiled — My Favourite City is a responsive website that showcases Jaipur's culture, history, and tourist attractions. The project aims to provide an engaging and informative platform that highlights the city's heritage and lifestyle while ensuring easy navigation across desktops and mobile devices. Core technologies used include **HTML5** for structure, **CSS3** for styling and layout, and **Bootstrap** for responsiveness. The website features sections on landmarks, local experiences, galleries, and contact information, all organized with a clean, user-friendly interface. The outcome is a visually appealing, interactive, and informative static website that serves as a useful guide for students, tourists, and anyone interested in exploring Jaipur, offering both educational and practical value.

3. Objectives:

The main goals of the *Jaipur Unveiled — My Favourite City* project are:

- **Design a user-friendly interface:** Create an engaging and visually appealing website using modern UI principles to enhance user experience.
- **Develop a fully responsive layout:** Ensure the website works seamlessly on desktops, tablets, and mobile devices using HTML and CSS.

- **Implement structured HTML5 semantic elements:** Organize content using proper HTML5 tags for better structure, readability, and SEO.
- **Apply CSS styling for branding and layout:** Use CSS to create an attractive design, consistent colour scheme, and smooth navigation.
- **Ensure accessibility and readability:** Make content easily readable and navigable across all devices, catering to a wide range of users

4. Scope of the Project:

The *Jaipur Unveiled — My Favourite City* project focuses exclusively on **front-end design**. It showcases Jaipur’s culture, history, landmarks, and local experiences through a visually appealing and informative website. The project **does not include JavaScript functionality or any server-side integration**, making it a purely static website. It is designed to be fully **responsive**, providing an optimal viewing experience across **desktop, tablet, and mobile devices**. All development was done using **pure HTML5 and CSS3**, without relying on external libraries or frameworks, and only **open-source tools** were used. The project is intended as an educational and informative resource for users interested in exploring Jaipur, rather than a dynamic or interactive web application.

5. Tools & Technologies Used:

Tool / Technology	Purpose
HTML5	Markup and content structure of the website
CSS3	Styling, layout management, and responsiveness
Bootstrap	Simplified responsive design and styling
JavaScript	Form validation or interactive elements
VS Code	Code editor for writing and managing project files
Chrome DevTools	Testing, debugging, and inspecting the website layout
Open-Source Images / Icons	Visual content and enhancements

6. HTML Structure Overview:

The *Jaipur Unveiled — My Favourite City* website is built using semantic HTML5 tags to ensure proper structure, readability, and accessibility. The main structure includes:

- **<header>**: Contains the website logo, title, and navigation menu.
- **<nav>**: A navigation bar with unordered lists (****) and anchor links for smooth scrolling between sections.
- **<main>**: The primary content area, divided into reusable sections such as About, Attractions, Gallery, and Contact.
- **<section>**: Used to logically group related content within the main area for clarity and better layout management.
- **<footer>**: Contains contact information, social media links, and copyright details.

7. CSS Styling Strategy

1. External CSS File (style.css):

- All CSS rules are placed in a separate file (style.css) instead of inline or internal styles.
- Benefits: cleaner HTML, easier maintenance, and reusability across multiple pages.

2. Organized with Comments and Sections:

- The CSS file is structured into logical sections, for example:
 - `/* General Styles */`
 - `/* Header Styles */`
 - `/* Navigation */`
 - `/* Footer */`
- Comments help anyone reading the code to quickly understand which styles affect which part of the website.

3. Techniques Used:

- **Flexbox and Grid for Layout:**
 - Flexbox is used for aligning items in rows or columns (like navigation menus or card layouts).
 - CSS Grid is used for more complex 2D layouts (like galleries or multi-column sections).
- **Media Queries for Responsiveness:**
 - Ensures the website adapts to different screen sizes (mobile, tablet, desktop).
 - Example:
 - `@media (max-width: 768px) {`
 - `.menu {`
 - `flex-direction: column;`
 - `}`
 - `}`
- **CSS Variables for Theme Customization:**
 - Reusable variables make it easy to change theme colors or fonts in one place.
 - Example:
 - `:root {`
 - `--primary-color: #ff6f61;`
 - `--secondary-color: #f7f7f7.`
 - `}`
 - `body {`
 - `background-color: var(--secondary-color);`
 - `color: var(--primary-color);`
 - `}`
- **Hover Effects and Transitions:**
 - Smooth interactions when a user hovers over buttons, links, or cards.
 - Example:
 - `.card:hover {`
 - `transform: scale(1.05);`
 - `transition: transform 0.3s ease;`

- }
- **Mobile-First Design Approach:**
 - CSS is written starting for small screens first, then enhanced for larger screens.
 - Advantages: faster load times on mobile and easier responsive adjustments.

8. Key Features

Feature	Description
Responsive Design	The website adapts seamlessly to all screen sizes, from mobile phones to large desktop monitors, using media queries, Flexbox, and CSS Grid.
Smooth Navigation	A fixed top navigation bar with anchor links allows users to jump to different sections smoothly without scrolling manually.
Project Cards	Flex-based layout for cards showcasing content or projects, enhanced with hover effects and transitions for better interactivity.
Contact Form (Non-functional)	Placeholder layout for form inputs and buttons; visually structured to demonstrate a typical contact form design.
Accessible Fonts & Colours	High-contrast colour schemes and readable typography ensure accessibility and better user experience for all users.

Notes:

- All features focus on user-friendly design and accessibility.
- The design emphasizes modern UI principles and a mobile-first approach.

9. Challenges Faced & Solutions

Challenge	Solution
Overlapping elements on small screens	Implemented media queries to stack elements vertically, ensuring proper spacing and readability on all devices.
Difficulty aligning items using float	Replaced float-based layouts with Flexbox and CSS Grid, allowing precise alignment and responsive layouts.
Typography scaling issue	Used relative units like em and rem instead of fixed px values, ensuring text scales properly across different screen sizes and resolutions.

Explanation:

- **Media Queries:** Help adapt layouts for different devices, preventing elements from overlapping.
- **Flexbox & Grid:** Modern layout techniques that replace older, unreliable float-based methods.
- **Relative Units:** Maintain proportional sizing for fonts, margins, and padding, enhancing responsiveness.

10. Outcome

- **Clean and Engaging Layout:** Created a visually consistent and attractive front-end design.
- **Functional Components:** All major features—including navigation, cards, and contact form layout—work correctly using only HTML and CSS.
- **Learning & Skills Gained:** Gained deeper understanding of responsive design, UI hierarchy, Flexbox & Grid, and front-end design principles.
- **Summary:**
The project successfully demonstrates the ability to build a fully responsive, user-friendly website that showcases Jaipur while applying modern front-end techniques.

11. Future Enhancements

- **JavaScript Integration:** Add interactivity such as form validation, dynamic content updates, and interactive elements to enhance user experience.
- **Animations and Transitions:** Incorporate CSS or JS-based animations to make the website more engaging and visually appealing.
- **Backend Integration:** Enable contact form submissions and other data-driven features by connecting to a server-side backend.
- **Theme Toggler:** Implement a light/dark mode option to improve usability and accessibility for different user preferences.
- **Summary:**
These enhancements aim to upgrade the static website into a more interactive and feature-rich application, improving both functionality and user experience.

12. Sample Code

```
index.html | notices.html | contact.html | apply.html | events.html X | plan_your_trip.html X
Frontend_Projects > events.html > ...
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Jaipur: Events & Festivals</title>
7   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
8   <link href="https://fonts.googleapis.com/css2?family=Playfair+Display:wght@700&display=block" rel="stylesheet">
9 </head>
10 <body class="pink-theme">
11   <nav class="navbar navbar-expand-lg navbar-dark bg-pink-dark fixed-top">
12     <div class="container-fluid">
13       <a class="navbar-brand" href="index.html">Jaipur Unveiled - My Favou
14       <button class="navbar-toggler" type="button" data-bs-toggle="collaps
15         <span class="navbar-toggler-icon"></span>
16       </button>
17       <div class="collapse navbar-collapse" id="navbarNav">
18         <ul class="navbar-nav ms-auto">
19           <li class="nav-item"><a class="nav-link" href="index.html">Home
20           <li class="nav-item"><a class="nav-link" href="attractions.htm
21           <li class="nav-item"><a class="nav-link" href="restaurants.htm
22           <li class="nav-item"><a class="nav-link" href="things_to_do.htm
23           <li class="nav-item"><a class="nav-link active" href="events.html">Events
24           <li class="nav-item"><a class="nav-link" href="plan_your_trip.html">Plan Your Trip
25           <li class="nav-item"><a class="nav-link" href="contact.html">Contact Us
26         </ul>
27       </div>
28     </div>
29   </nav>
30 </body>
31 </html>
```

```
index.html | notices.html | contact.html | apply.html | plan_your_trip.html X
Frontend_Projects > plan_your_trip.html > ...
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Jaipur: Plan Your Trip</title>
7   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
8   <link href="https://fonts.googleapis.com/css2?family=Playfair+Display:wght@700&display=block" rel="stylesheet">
9   <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/all.min.css" rel="stylesheet">
10 </head>
11 <body class="pink-theme">
12   <nav class="navbar navbar-expand-lg navbar-dark bg-pink-dark fixed-top">
13     <div class="container-fluid">
14       <a class="navbar-brand" href="index.html">Jaipur Unveiled - My Favou
15       <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
16         <span class="navbar-toggler-icon"></span>
17       </button>
18       <div class="collapse navbar-collapse" id="navbarNav">
19         <ul class="navbar-nav ms-auto">
20           <li class="nav-item"><a class="nav-link" href="index.html">Home
21           <li class="nav-item"><a class="nav-link" href="attractions.htm
22           <li class="nav-item"><a class="nav-link" href="restaurants.htm
23           <li class="nav-item"><a class="nav-link" href="things_to_do.htm
24           <li class="nav-item"><a class="nav-link" href="events.html">Events
25           <li class="nav-item"><a class="nav-link active" href="plan_your_trip.html">Plan Your Trip
26           <li class="nav-item"><a class="nav-link" href="contact.html">Contact Us
27         </ul>
28       </div>
29     </div>
30   </nav>
31 </body>
32 </html>
```

```
index.html | notices.html | contact.html L&T | apply.html | contact.html L&T | style.css X
Frontend_Projects > contact.html > ...
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Jaipur: Contact Us</title>
7   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
8   <link href="https://fonts.googleapis.com/css2?family=Playfair+Display:wght@700&display=block" rel="stylesheet">
9   <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/all.min.css" rel="stylesheet">
10 </head>
11 <body class="pink-theme">
12   <nav class="navbar navbar-expand-lg navbar-dark bg-pink-dark fixed-top">
13     <div class="container-fluid">
14       <a class="navbar-brand" href="index.html">Jaipur Unveiled - My Favou
15       <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
16         <span class="navbar-toggler-icon"></span>
17       </button>
18       <div class="collapse navbar-collapse" id="navbarNav">
19         <ul class="navbar-nav ms-auto">
20           <li class="nav-item"><a class="nav-link" href="index.html">Home
21           <li class="nav-item"><a class="nav-link" href="attractions.htm
22           <li class="nav-item"><a class="nav-link" href="restaurants.htm
23           <li class="nav-item"><a class="nav-link" href="things_to_do.htm
24           <li class="nav-item"><a class="nav-link" href="events.html">Events
25           <li class="nav-item"><a class="nav-link" href="plan_your_trip.html">Plan Your Trip
26           <li class="nav-item"><a class="nav-link active" href="contact.html">Contact Us
27         </ul>
28       </div>
29     </div>
30   </nav>
31 </body>
32 </html>
```

```
Frontend_Projects > css > # style.css > ...
1 /* Custom Fonts */
2 @import url('https://fonts.googleapis.com/css2?family=Playfair+Display:wght@700&display=block');
3
4 /* Color Variables */
5 :root {
6   --color-pink-primary: #ffc0cb;
7   --color-pink-light: #fff0f5;
8   --color-pink-dark: #804080;
9   --color-pink-accent: #9932cc;
10   --color-text-dark: #333333;
11   --color-text-light: #f8f9fa;
12 }
13
14 /* Global Styles */
15 body {
16   font-family: 'Raleway', sans-serif;
17   color: var(--color-text-dark);
18   background-color: var(--color-pink-primary);
19   padding-top: 80px; /* Increased to avoid navbar overlap */
20 }
21
22 /* Typography */
23 .main-heading {
24   font-family: 'Playfair Display', serif;
25   color: var(--color-pink-accent);
26   text-shadow: 1px 1px 2px rgba(0, 0, 0, 0.1);
27 }
28
29 .secondary-heading {
30   font-family: 'Raleway', sans-serif;
31   color: var(--color-text-dark);
32   text-shadow: 1px 1px 2px rgba(0, 0, 0, 0.1);
33 }
```



```
html \  notices.html  contact.html  apply.html  index.html L&T_Frontend_Proj
ntend_Projects > index.html > ...
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Jaipur: The Pink City - Homepage</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
  <link href="https://fonts.googleapis.com/css2?family=Playfair+Display:wght@700" rel="stylesheet">
</head>
<body class="pink-theme">
  <nav class="navbar navbar-expand-lg navbar-dark bg-pink-dark fixed-top">
    <div class="container-fluid">
      <a class="navbar-brand" href="index.html">Jaipur Unveiled</a>
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav"
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarNav">
        <ul class="navbar-nav ms-auto">
          <li class="nav-item">
            <a class="nav-link active" aria-current="page" href="index.html">Home</a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="attractions.html">Attractions</a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="restaurants.html">Restaurants</a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="things_to_do.html">Things to Do</a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="contact.html">Contact</a>
          </li>
        </ul>
      </div>
    </div>
  </nav>
  <div class="container-fluid">
    <div class="row">
      <div class="col-12">
        <h1>Jaipur: The Pink City</h1>
      </div>
    </div>
  </div>
</body>
</html>
```

```
html \  notices.html  contact.html  apply.html  attractions.html X  pr
ntend_Projects > attractions.html > ...
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Jaipur: Attractions</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
  <link href="https://fonts.googleapis.com/css2?family=Playfair+Display:wght@700" rel="stylesheet">
</head>
<body class="pink-theme">
  <nav class="navbar navbar-expand-lg navbar-dark bg-pink-dark fixed-top">
    <div class="container-fluid">
      <a class="navbar-brand" href="index.html">Jaipur Unveiled - My Favourite City</a>
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav"
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarNav">
        <ul class="navbar-nav ms-auto">
          <li class="nav-item">
            <a class="nav-link" href="index.html">Home</a>
          </li>
          <li class="nav-item">
            <a class="nav-link active" aria-current="page" href="attractions.html">Attractions</a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="restaurants.html">Restaurants</a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="things_to_do.html">Things to Do</a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="contact.html">Contact</a>
          </li>
        </ul>
      </div>
    </div>
  </nav>
  <div class="container-fluid">
    <div class="row">
      <div class="col-12">
        <h2>Attractions</h2>
      </div>
    </div>
  </div>
</body>
</html>
```

```
html \  notices.html  contact.html  apply.html  restaurants.html X  o
ntend_Projects > restaurants.html > ...
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Jaipur: Restaurants & Cafes</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
  <link href="https://fonts.googleapis.com/css2?family=Playfair+Display:wght@700" rel="stylesheet">
</head>
<body class="pink-theme">
  <nav class="navbar navbar-expand-lg navbar-dark bg-pink-dark fixed-top">
    <div class="container-fluid">
      <a class="navbar-brand" href="index.html">Jaipur Unveiled - My Favourite City</a>
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav"
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarNav">
        <ul class="navbar-nav ms-auto">
          <li class="nav-item">
            <a class="nav-link" href="index.html">Home</a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="attractions.html">Attractions</a>
          </li>
          <li class="nav-item">
            <a class="nav-link active" aria-current="page" href="restaurants.html">Restaurants</a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="things_to_do.html">Things to Do</a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="contact.html">Contact</a>
          </li>
        </ul>
      </div>
    </div>
  </nav>
  <div class="container-fluid">
    <div class="row">
      <div class="col-12">
        <h2>Restaurants & Cafes</h2>
      </div>
    </div>
  </div>
</body>
</html>
```

```
html \  notices.html  contact.html  apply.html  things_to_do.html X  o
ntend_Projects > things_to_do.html > ...
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Jaipur: Things to Do</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
  <link href="https://fonts.googleapis.com/css2?family=Playfair+Display:wght@700" rel="stylesheet">
</head>
<body class="pink-theme">
  <nav class="navbar navbar-expand-lg navbar-dark bg-pink-dark fixed-top">
    <div class="container-fluid">
      <a class="navbar-brand" href="index.html">Jaipur Unveiled - My Favourite City</a>
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav"
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarNav">
        <ul class="navbar-nav ms-auto">
          <li class="nav-item">
            <a class="nav-link" href="index.html">Home</a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="attractions.html">Attractions</a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="restaurants.html">Restaurants</a>
          </li>
          <li class="nav-item">
            <a class="nav-link active" aria-current="page" href="things_to_do.html">Things to Do</a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="contact.html">Contact</a>
          </li>
        </ul>
      </div>
    </div>
  </nav>
  <div class="container-fluid">
    <div class="row">
      <div class="col-12">
        <h2>Things to Do</h2>
      </div>
    </div>
  </div>
</body>
</html>
```

```
Q Untitled (Workspace)

ex.html  <> notices.html  <> contact.html  <> apply.htm

frontend_Projects > js > JS script.js > ...
document.addEventListener('DOMContentLoaded', () => {
  // Get all flip cards
  const flipCards = document.querySelectorAll('.flip-card');

  flipCards.forEach(card => {
    // Add a click listener to each card
    card.addEventListener('click', () => {
      // Toggle the 'flipped' class on the card
      card.classList.toggle('flipped');
    });

    // Optional: Add accessibility features (key
    card.addEventListener('keypress', (e) => {
      // Check if Enter (13) or Space (32) was
      if (e.key === 'Enter' || e.key === ' ') {
        e.preventDefault(); // Prevent default
        card.classList.toggle('flipped');
      }
    });
  });
});
```

▼ L&T_Frontend_Projects

> assets

▼ CSS

style.css

▼ js

JS script.js

<> attractions.html

<> contact.html

<> events.html

<> index.html

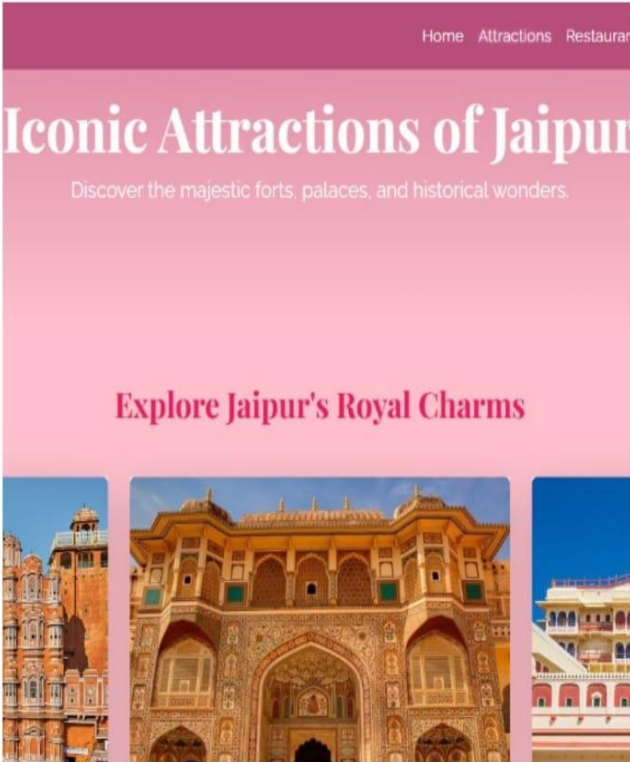
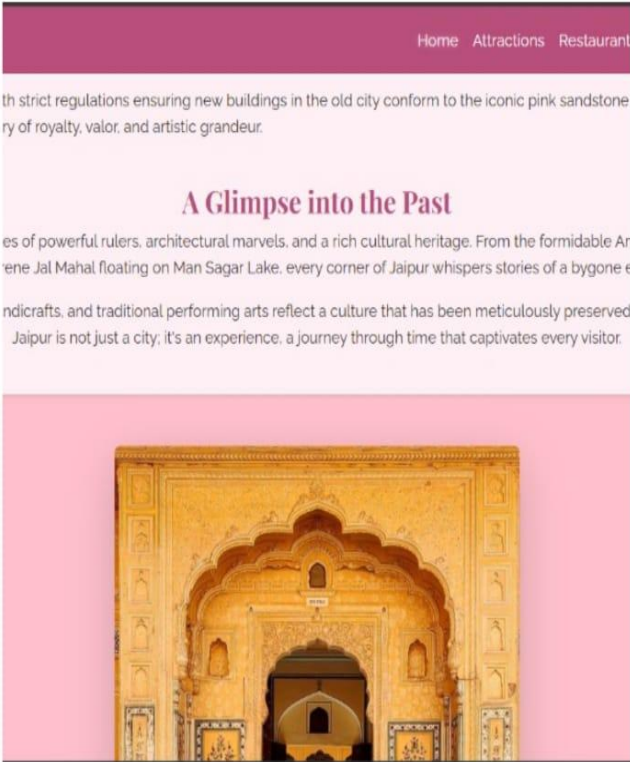
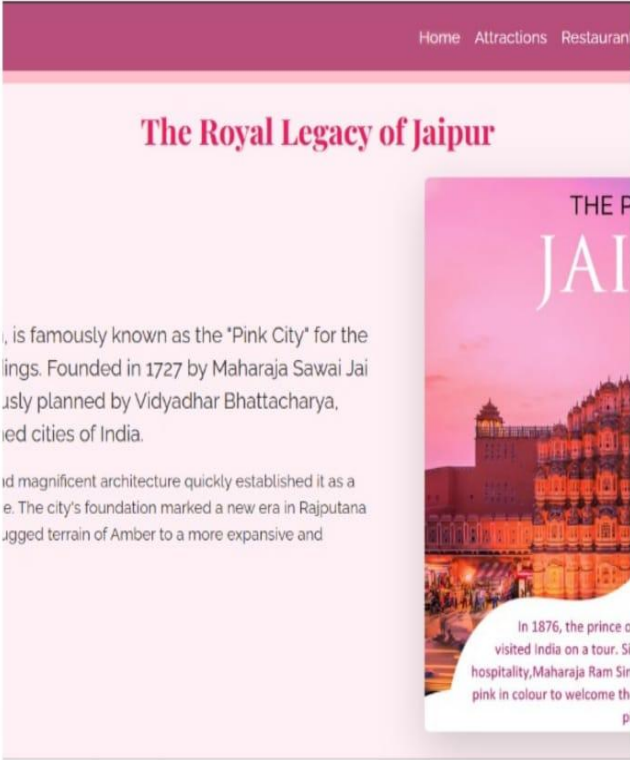
<> plan_your_trip.html

📄 README.md

<> restaurants.html




<> things_to_do.html

13. Screenshots of Final Output






[Home](#) [Attractions](#) [Restaurants](#)

Explore Jaipur's Royal Charms



re)Amber Fort - (Click Here)Cit



[Home](#) [Attractions](#) [Restaurants](#)

Explore Jaipur's Royal Charms

pink
ys (jharokhas)
festivals

g, ventilation

ecture. A

Majestic Hill Fort

A UNESCO World Heritage Site, this fort is known for its artistic Hindu style elements. With its large ramparts and series of gates and cobbled paths, the fort overlooks Maota Lake.

🌟 **Speciality:** Sheesh Mahal (mirror palace), elephant rides.

🌟 **Ratings:** 4.8/5

🌟 **Reviews:** "Breathtaking views and incredible history. The elephant ride was a highlight!"

View on Map



Royal Resi

A complex of c
Palace was the
museums show

🌟 **Speciality:** Cha
Chowk gates.

🌟 **Ratings:** 4.6/5

🌟 **Reviews:** "Rich
miss the Peaco




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...and
...blue-green
...anet.



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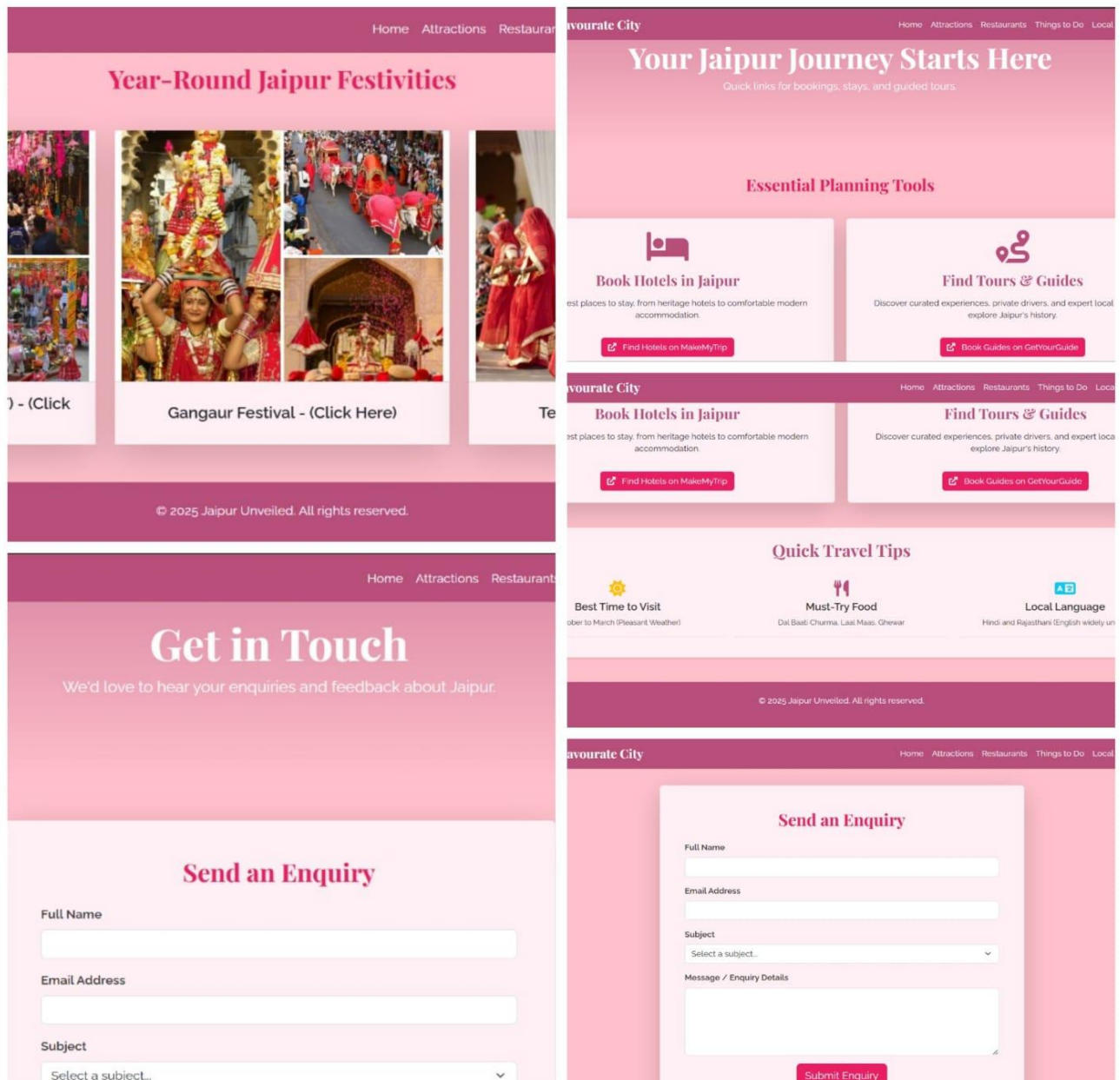


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14. Conclusion

This project, “Jaipur Unveiled: My Favourite City”, is a personal front-end website that showcases key aspects of Jaipur, including attractions, activities, local tips, and a contact form.

Key Takeaways:

- Strengthened front-end development skills using HTML and CSS.
- Gained hands-on experience with responsive layouts, Flexbox & Grid, and mobile-first design.

- Learned to structure content effectively using semantic HTML and maintain visual consistency with organized CSS.
- Developed an understanding of UI hierarchy, accessibility, and user-friendly navigation.

Summary:

Overall, this project demonstrates the ability to create a clean, responsive, and engaging website, and serves as a solid foundation for future enhancements like JavaScript interactivity, animations, and backend integration.

12. References

- **L&T LMS:** <https://learn.intedutech.com/Landing/MyCourse>

13. Project link:

<https://github.com/Rahma5983/Jaipur-Unveiled-MyFavouriteCity>

Project 2:-

1. Title Page

- **Project Title:** "Your College and Hostel Website"
- **Submitted By:**
 - **Team Members:** Names & Roll Numbers
 - Rahma Naqui (24100110075)
 - Aishwarya Ray (24100110123)
 - Sakshi Yadav (24100110087)
 - Neha Singh (24100110054)
 - **College E-mail IDs:**
 - 24100110075.uset@ltsu.ac.in
 - 24100110123.uset@ltsu.ac.in
 - 24100110087.uset@ltsu.ac.in
 - 24100110054.uset@ltsu.ac.in
- **Course:** UI/UX Frontend Web Design and Development.
- **Instructor Name:** NarendraKumar Gopineedi Sir
- **Institution:** Lamrin Tech Skill University, Ropar, Punjab.
- **Date of Submission:** 05/01/2026

2. Abstract

The "LTSU Punjab Web Portal" is a comprehensive, multi-page responsive website designed to serve as a digital gateway for Lamrin Tech Skills University. The project aims to provide an engaging platform that showcases academic programs, hostel facilities, and student life while ensuring seamless navigation across all devices. Using **HTML5**, **CSS3**, and **Bootstrap 5**, the portal features a modern interface with dedicated sections for admissions, course details, and real-time event updates. The outcome is a visually appealing, user-centric static website that provides high educational and practical value to prospective students and visitors.

3. Objectives

- **User-Friendly Interface:** Create an engaging website using modern UI principles such as glassmorphism and visual hierarchy to enhance user experience.
- **Fully Responsive Layout:** Ensure consistent performance across desktops, tablets, and mobile viewports using Bootstrap's grid system and custom media queries.
- **Semantic Structure:** Organize content using proper HTML5 tags like <header>, <nav>, <section>, and <footer> for better SEO and accessibility.
- **Themed Branding:** Implement a professional color scheme (Primary: #0f172a, Accent: #f59e0b) consistent with university branding.

4. Scope of the Project

- **Front-End Focus:** Exclusively focused on UI/UX and front-end design.
- **Static Implementation:** Built as a static website without server-side integration.
- **Cross-Device Compatibility:** Optimized for desktop, tablet, and mobile viewports.
- **Pure Code & Modern Frameworks:** Developed using HTML5, CSS3, and the Bootstrap 5.3 library for rapid styling and responsiveness.

5. Tools & Technologies Used

Tool/Technology	Purpose
HTML5	Content markup and semantic structure
CSS3	Layout management, theme variables, and custom transitions
Bootstrap 5.3	Responsive grid system and pre-styled UI components
JavaScript	Basic form validation and application logic
VS Code	Primary code editor for writing and managing source files
Chrome DevTools	Real-time debugging and responsive testing

6. HTML Structure Overview

- **Semantic Tags:** Used tags like `<header>` for branding, `<nav>` for navigation, and `<section>` for content modularity.
- **Navigation:** Implemented a fixed top navbar with anchor links and multi-page links (e.g., `vdv1.html`, `vdv3.html`) for effortless browsing.
- **Reusable Sections:** Divided content into distinct pages for Academic Programmes, Hostel Facilities, Events/Notices, and Admissions.
- **Footer:** Standardized footer containing university contact info and social media icons across all pages.

7. CSS Styling Strategy

- **External Styling:** All rules are contained in localized `<style>` blocks and external frameworks to maintain clean HTML.
- **Flexbox & Grid:** Used Flexbox for aligning navigation items and Grid/Bootstrap rows for course and room cards.
- **CSS Variables:** Implemented: root variables for consistent branding colors and typography.
- **Interactive Effects:** Added smooth hover transitions on cards to provide visual feedback to users.

8. Key Features

Feature	Description
Responsive Design	Adapts seamlessly to all screen sizes using media queries and Bootstrap.
Program Inquiry	Interactive modals that display detailed course fees and eligibility.
Live Notice Board	Categorized event badges (Exam, General, Holiday) for clear communication
Admissions Hub	Multi-step application form layout with visual step indicators.

9. Challenges Faced & Solutions

- **Challenge:** Managing complex layouts like the admission steps on small screens.
- **Solution:** Utilized Bootstrap's mobile-first utilities to stack elements and adjust padding dynamically.
- **Challenge:** Ensuring readable contrast for the dark university theme.
- **Solution:** Applied high-contrast accent colors (#f59e0b) for call-to-action buttons.

10. Outcome

The project successfully delivered a professional-grade web portal that reflects the identity of Lamrin Tech Skills University. By mastering layout responsiveness and UI hierarchy, the team created a functional site where users can easily access admissions data and campus facilities.

11. Future Enhancements

- Integrate a real-time backend database to process student application forms.
- Add JavaScript-based animations (like AOS or GSAP) for scroll-triggered visual effects.
- Implement a student dashboard with login functionality for personalized updates

12. Sample Code

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Lamarin Tech Skills University | Future-Ready</title>

  <link href="https://fonts.googleapis.com/css2?family=PlusJakartaSans:wght@300;400;600;700&display=swap" rel="stylesheet">
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.11.1/font/bootstrap-icons.css">
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="stylesheet">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/animate.css/4.1.1/animate.min.css"/>

<style>
  :root {
    --primary-color: #0f172a;
    --accent-color: #f59e0b;
    --glass: rgba(255, 255, 255, 0.1);
  }

  body {
    font-family: 'Plus Jakarta Sans', sans-serif;
    color: #1e293b;
    background-color: #f8fafc;
  }

  .navbar {
    backdrop-filter: blur(15px);
    background: rgba(15, 23, 42, 0.85) !important;
    padding: 1rem 0;
    border-bottom: 1px solid rgba(255,255,255,0.1);
  }

  .hero {
    height: 100vh;
    background: linear-gradient(rgba(15, 23, 42, 0.7), rgba(15, 23, 42, 0.4)),
      url("https://images.shiksha.com/mediadata/images/articles/1689247822phprekLvt.jpeg");
    background-size: cover;
    background-position: center;
    background-attachment: fixed;
    display: flex;
    align-items: center;
    color: white;
    position: relative;
  }

  .hero-glass-card {
    background: rgba(255, 255, 255, 0.1);
    backdrop-filter: blur(10px);
    border: 1px solid rgba(255, 255, 255, 0.2);
    padding: 3rem;
    border-radius: 24px;
    box-shadow: 0 25px 50px -12px rgba(0, 0, 0, 0.5);
  }

  .hero h1 {
    font-size: clamp(2.5rem, 6vw, 4.5rem);
  }

  .icon-box {
    width: 70px;
    height: 70px;
    background: linear-gradient(135deg, var(--accent-color), #fbbf24);
    color: #000;
    border-radius: 18px;
    display: flex;
    align-items: center;
    justify-content: center;
    font-size: 1.8rem;
    margin-bottom: 25px;
  }

  .stats-container {
    background: var(--primary-color);
    padding: 60px;
    border-radius: 30px;
    margin-top: -80px;
    position: relative;
    z-index: 10;
  }

  .stat-number {
    font-size: 2.5rem;
    font-weight: 800;
    color: var(--accent-color);
    margin-bottom: 0;
  }

  .btn-primary {
    background: var(--accent-color);
    border: none;
    color: #000;
    font-weight: 700;
    padding: 15px 35px;
    border-radius: 12px;
    transition: 0.3s;
  }

  .btn-primary:hover {
    background: #fff;
    color: var(--primary-color);
    transform: scale(1.05);
  }

  footer {
    background: #020617;
    padding: 60px 0;
    color: #94a3b8;
  }

```

```

<body>

<nav class="navbar navbar-expand-lg navbar-dark fixed-top">
  <div class="container">
    <a class="navbar-brand fw-bold fs-3" href="#">
      <span style="color: var(--accent-color)">LTS</span>U
    </a>
    <button class="navbar-toggler border-0" data-bs-toggle="collapse" data-bs-target="#menu">
      <i class="bi bi-list fs-1"></i>
    </button>
    <div class="collapse navbar-collapse" id="menu">
      <ul class="navbar-nav ms-auto align-items-center">
        <li class="nav-item"><a class="nav-link px-3 active" href="index.html">Home</a></li>
        <li class="nav-item"><a class="nav-link px-3" href="vdv1.html">Programs</a></li>
        <li class="nav-item"><a class="nav-link px-3" href="vdv3.html">Hostel</a></li>
        <li class="nav-item"><a class="nav-link px-3" href="vdv4.html">Notices & Events</a></li>
        <li class="nav-item"><a class="nav-link px-3" href="vdv5.html">Contact</a></li>
        <li>
          <a class="btn btn-primary px-4" href="vdv6.html">Apply for 2025</a>
        </li>
      </ul>
    </div>
  </div>
</nav>

<section class="hero">
  <div class="container">
    <div class="row">
      <div class="col-xl-7 col-lg-9 animate__animated animate__fadeInLeft">
        <div class="hero-glass-card">
          <span class="badge bg-warning text-dark mb-3 px-3 py-2 fw-bold">PUNJAB'S PREMIER TECH UNIVERSITY</span>
          <h1>Shaping <span style="color: var(--accent-color)">Industry-Ready</span> Professionals</h1>
          <p class="lead mb-4 opacity-90">
            Experience India's first skill-integrated campus. We don't just grant degrees; we build careers with 100% placement focus.
          </p>
          <div class="d-flex flex-wrap gap-3">
            <a href="vdv6.html"> <button class="btn btn-primary btn-lg">Start Application</button> </a>
            <a href="https://youtu.be/7CFZrP1MNrg"> <button class="btn btn-outline-light btn-lg"><i class="bi bi-play-circle me-2"></i>
          </div>
        </div>
      </div>
    </div>
  </div>
</section>

<section class="container">
  <div class="stats-container shadow-lg animate__animated animate__fadeInUp">
    <div class="row text-center g-4">
      <div class="col-md-3 border-end border-secondary border-opacity-25">
        <p class="stat-number">50</p>
        <p class="text-white-50 small text-uppercase tracking-wider">MOU Partners</p>
      </div>
      <div class="col-md-3 border-end border-secondary border-opacity-25">
        <p class="stat-number">100%</p>
        <p class="text-white-50 small text-uppercase tracking-wider">Skill Focused</p>
      </div>
      <div class="col-md-3 border-end border-secondary border-opacity-25">
        <p class="stat-number">Modern</p>
        <p class="text-white-50 small text-uppercase tracking-wider">AI Integrated Labs</p>
      </div>
      <div class="col-md-3">
        <p class="stat-number">Top-Tier</p>
        <p class="text-white-50 small text-uppercase tracking-wider">Expert Faculty</p>
      </div>
    </div>
  </div>
</section>

<section class="py-5 my-5">
  <div class="container">
    <div class="text-center mb-5">
      <h6 class="text-warning fw-bold text-uppercase">The Advantage</h6>
      <h2 class="display-5 fw-bold text-dark">Why Choose LTSU?</h2>
    </div>
    <div class="row g-4">
      <div class="col-md-4">
        <div class="card highlight-card">
          <div class="icon-box"><i class="bi bi-building-gear"></i></div>
          <h4 class="fw-bold">IBM & Tata Hubs</h4>
          <p class="text-muted">Learn directly from industry leaders within the campus through our specialized innovation centers.</p>
        </div>
      </div>
      <div class="col-md-4">
        <div class="card highlight-card">
          <div class="icon-box"><i class="bi bi-person-workspace"></i></div>
          <h4 class="fw-bold">Job-First Approach</h4>
          <p class="text-muted">Our curriculum is designed backward from industry requirements to ensure you are hired on day one.</p>
        </div>
      </div>
    </div>
  </div>

```



```

<body>

<nav class="navbar navbar-expand-lg navbar-dark fixed-top">
  <div class="container">
    <a class="navbar-brand fw-bold fs-3" href="index.html">
      <span style="color: var(--accent-color)">LTS</span>U
    </a>
    <button class="navbar-toggler border-0" data-bs-toggle="collapse" data-bs-target="#menu">
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="menu">
      <ul class="navbar-nav ms-auto align-items-center">
        <li class="nav-item"><a class="nav-link px-3" href="index.html">Home</a></li>
        <li class="nav-item"><a class="nav-link px-3 active" href="vdv1.html">Programmes</a></li>
        <li class="nav-item"><a class="nav-link px-3" href="vdv3.html">Hostel</a></li>
        <li class="nav-item"><a class="nav-link px-3" href="vdv4.html">Notices & Events</a></li>
        <li class="nav-item"><a class="nav-link px-3" href="vdv5.html">Contact</a></li>
        <li class="nav-item ms-lg-3">
          <a class="btn btn-primary px-4" href="vdv6.html">Apply for 2025</a>
        </li>
      </ul>
    </div>
  </div>
</nav>

<header class="page-header">
  <div class="container animate _animated animate_fadeInDown">
    <h1 class="display-4 fw-bold mb-3">Academic <span style="color: var(--accent-color)">Programmes</span></h1>
    <p class="lead opacity-75 mx-auto" style="max-width: 600px;">
      Industry-designed curriculum to make you job-ready from Day 1. Choose your path to excellence.
    </p>
  </div>
</header>

<section class="py-5">
  <div class="container">
    <div class="row justify-content-center mb-5">
      <div class="col-auto">
        <ul class="nav nav-pills" id="pills-tab" role="tablist">
          <li class="nav-item" role="presentation">
            <button class="nav-link active" id="pills-all-tab" data-bs-toggle="pill" data-bs-target="#pills-all" type="button">All Programmes</button>
          </li>
          <li class="nav-item" role="presentation">
            <button class="nav-link" id="pills-eng-tab" data-bs-toggle="pill" data-bs-target="#pills-eng" type="button">Engineering</button>
          </li>
          <li class="nav-item" role="presentation">
            <button class="nav-link" id="pills-mgmt-tab" data-bs-toggle="pill" data-bs-target="#pills-mgmt" type="button">Management</button>
          </li>
        </ul>
      </div>
    </div>

    <div class="tab-content" id="pills-tabContent">
      <div class="tab-pane fade show active" id="pills-all">
        <div class="row g-4">
          <div class="col-md-6 col-lg-4">
            <div class="course-card">
              <div class="course-tag">Most Popular</div>
              
              <div class="card-body-custom">
                <div class="meta-info">
                  <span><i class="bi bi-clock"></i> 4 Years</span>
                  <span><i class="bi bi-mortarboard"></i> B.Tech</span>
                </div>
                <h4 class="fw-bold mb-2">Computer Science & Engg.</h4>
                <p class="text-muted small mb-3">Specialization in AI & ML. Co-branded with IBM for real-world project exposure.</p>
                <hr class="opacity-25 mt-auto">
                <div class="d-flex justify-content-between align-items-center mt-3">
                  <span class="fw-bold text-dark">₹1.4L <small class="fw-normal text-muted">/ year</small></span>
                  <button class="btn-details stretched-link">
                    data-bs-toggle="modal"
                    data-bs-target="#courseModal"
                    data-title="Computer Science & Engineering"
                    data-desc="Our flagship program powered by IBM. Students gain hands-on experience in Artificial Intelligence, Machine Learning, Cloud Computing, and Full Stack Development."
                    data-elig="10+2 Non-Medical with 60% aggregate marks."
                    data-fee="₹1,40,000 per annum (Scholarships available)"
                    Details <i class="bi bi-arrow-right"></i>
                  </button>
                </div>
              </div>
            </div>
          </div>
          <div class="col-md-6 col-lg-4">
            <div class="course-card">
              <span class="badge bg-danger position-absolute top-0 start-0 m-3" style="z-index: 2;">Tata Tech</span>
              
              <div class="card-body-custom">
                <div class="meta-info">
                  <span><i class="bi bi-clock"></i> 4 Years</span>
                  <span><i class="bi bi-mortarboard"></i> B.Tech</span>
                </div>
                <h4 class="fw-bold mb-2">Mechanical Engineering</h4>
                <p class="text-muted small mb-3">Designed with Tata Technologies. Focus on EV design, Robotics and heavy machinery.</p>
                <hr class="opacity-25 mt-auto">
                <div class="d-flex justify-content-between align-items-center mt-3">
                  <span class="fw-bold text-dark">₹1.2L <small class="fw-normal text-muted">/ year</small></span>
                  <button class="btn-details stretched-link">
                    data-bs-toggle="modal"
                    data-bs-target="#courseModal"
                    data-title="Mechanical Engineering"
                    data-desc="Our flagship program powered by Tata Technologies. Students gain hands-on experience in EV design, Robotics, and heavy machinery."
                    data-elig="10+2 Non-Medical with 60% aggregate marks."
                    data-fee="₹1,20,000 per annum (Scholarships available)"
                    Details <i class="bi bi-arrow-right"></i>
                  </button>
                </div>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>

```

```

<div class="col-md-6 col-lg-4">
  <div class="course-card">
    
    <div class="card-body-custom">
      <div class="meta-info">
        <span><i class="bi bi-clock"></i> 4 Years</span>
        <span><i class="bi bi-capsule"></i> B.Pharma</span>
      </div>
      <h4 class="fw-bold mb-2">Pharmacy</h4>
      <p class="text-muted small mb-3">State-of-the-art labs. Focus on drug formulation and clinical research.</p>
      <hr class="opacity-25 mt-auto">
      <div class="d-flex justify-content-between align-items-center mt-3">
        <span class="fw-bold text-dark">₹1.1L <small class="fw-normal text-muted">/ year</small></span>
        <button class="btn-details stretched-link"
          data-bs-toggle="modal"
          data-bs-target="#courseModal"
          data-title="Bachelor of Pharmacy"
          data-desc="PCI approved curriculum. Advanced labs for Pharmaceuticals and Medicinal Chemistry. Training partnerships with Sun Pharma and Apollo Hospitals."
          data-elig="10+2 Medical/Non-Medical with 50% marks."
          data-fee="₹1,10,000 per annum">
          Details <i class="bi bi-arrow-right"></i>
        </button>
      </div>
    </div>
  </div>
</div>

<div class="tab-pane fade id="pills-eng">
  <div class="row g-4">
    <div class="col-md-6 col-lg-4">
      <div class="course-card">
        <div class="course-tag">Most Popular</div>
        
        <div class="card-body-custom">
          <div class="meta-info">
            <span><i class="bi bi-clock"></i> 4 Years</span>
            <span><i class="bi bi-mortarboard"></i> B.Tech</span>
          </div>
          <h4 class="fw-bold mb-2">Computer Science & Engg.</h4>
          <p class="text-muted small mb-3">Specialization in AI & ML. Co-branded with IBM.</p>
          <hr class="opacity-25 mt-auto">
          <div class="d-flex justify-content-between align-items-center mt-3">
            <span class="fw-bold text-dark">₹1.4L <small class="fw-normal text-muted">/ year</small></span>
            <button class="btn-details stretched-link"
              data-bs-toggle="modal"

```

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Apply Now | LTSU Admissions 2025</title>

  <link href="https://fonts.googleapis.com/css2?family=Plus+Jakarta+Sans:wght@300;400;500;600;700;800;900&display=block" rel="stylesheet">
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="stylesheet">
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js" rel="script">
  <link href="https://cdn.jsdelivr.net/npm/animate.css@4.1.1" rel="stylesheet">

  <style>
    :root {
      --primary-color: #0f172a;
      --accent-color: #f99e0b;
      --text-muted: #64748b;
    }

    body {
      font-family: 'Plus Jakarta Sans', sans-serif;
      color: #1e293b;
      background-color: #f1f5f9;
    }

    .navbar {
      backdrop-filter: blur(15px);
      background: rgba(15, 23, 42, 0.95) !important;
      padding: 1rem 0;
      border-bottom: 1px solid rgba(255, 255, 255, 0.1);
    }

    .page-header {
      background: linear-gradient(rgba(15, 23, 42, 0.9), rgba(15, 23, 42, 0.9));
      background-size: cover;
      background-position: center;
      padding: 140px 0 60px 0;
      color: white;
      text-align: center;
    }

    .application-card {
      background: white;
      border-radius: 20px;
      box-shadow: 0 20px 50px rgba(0, 0, 0, 0.08);
      overflow: hidden;
      border: 1px solid #e2e8f0;
      margin-top: -50px;
      position: relative;
      z-index: 2;
    }

    .steps-container {
      background: #f8f9fc;
      padding: 20px;
      border-bottom: 1px solid #e2e8f0;
    }

    .step-circle {
      width: 35px;
      height: 35px;
      background: #cbd5e1;
      color: white;
      border-radius: 50%;
      display: flex;
      align-items: center;
      justify-content: center;
    }

    .step-active .step-circle {
      background: var(--accent-color);
      color: #000;
    }

    .step-label {
      font-size: 0.75rem;
      font-weight: 600;
      color: var(--text-muted);
    }

    .step-active .step-label {
      color: var(--primary-color);
    }

    .form-label {
      font-weight: 600;
      font-size: 0.9rem;
      margin-bottom: 8px;
    }

    .form-control, .form-select {
      padding: 12px 15px;
      border-radius: 8px;
      border: 1px solid #cbd5e1;
    }

    .form-control:focus, .form-select:focus {
      border-color: var(--accent-color);
      box-shadow: 0 0 3px rgba(245, 158, 11, 0.15);
    }

    .btn-next {
      background: var(--primary-color);
      color: white;
      padding: 12px 30px;
      border-radius: 8px;
      font-weight: 600;
      border: none;
    }

    .btn-next:hover {
      background: #1e293b;
      color: white;
    }

    .sidebar-box {
      background: white;
      padding: 25px;
      border-radius: 15px;
      box-shadow: 0 5px 20px rgba(0, 0, 0, 0.05);
      margin-bottom: 20px;
    }

    .contact-item {
      display: flex;
      align-items: center;
      margin-bottom: 15px;
    }

    .contact-icon {
      width: 40px;
      height: 40px;
      background: #ffffeb;
      color: var(--accent-color);
      border-radius: 50%;
      display: flex;
      align-items: center;
      justify-content: center;
      margin-right: 15px;
    }
  </style>

```

✓ UNTITLED (WORKSPACE)

✓ LTSU

<> apply.html

<> contact.html

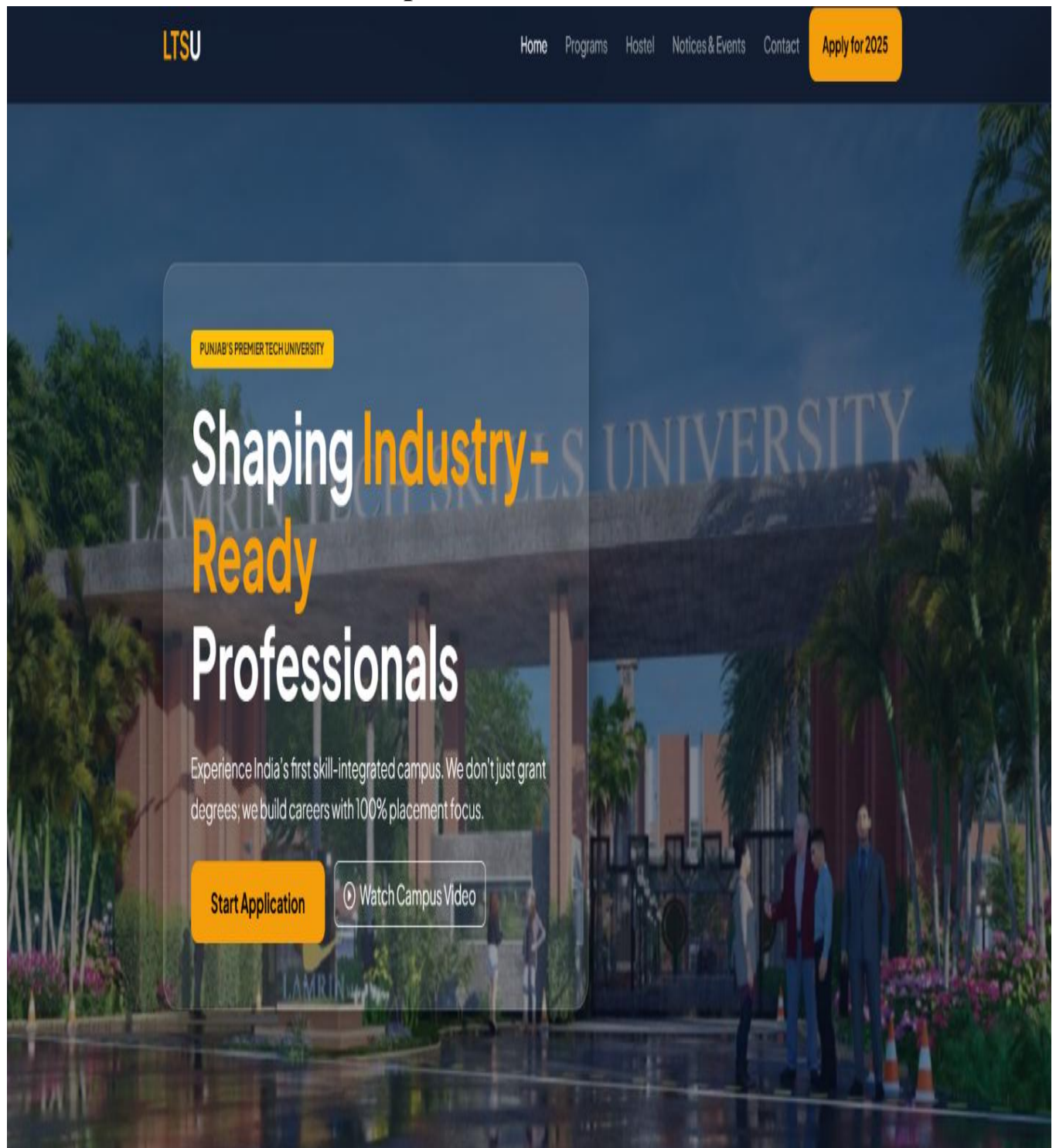
<> hostel.html

<> index.html

<> notices.html

<> programs.html

13. Screenshots of Final Output:



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State-of-the-art labs. Focus on drug formulation and

High-Speed Wi-Fi

24/7 Connectivity across all blocks.

Hygienic Mess

Nutritious meals (Veg/Non-Veg).

24x7 Security

Biometric entry & CCTV surveillance.

Gym & Sports

Indoor courts and fitness center.

Accommodation Options

Choose the room type that fits your lifestyle and budget.



Premium Single

AC Available Attached Washroom Study Desk

Perfect for students who prefer privacy and a quiet environment for focused study.

Check Fees



Twin Sharing

AC / Non-AC Balcony 2 Wardrobes

Spacious room shared by two. Balanced environment for socialising and studying.

Check Fees



Triple Comfort

Budget Friendly Common Washroom Cooler

Economical choice. Great for making friends and group studies.

Check Fees

Campus Updates

Stay informed with the latest announcements, exam schedules, and upcoming events.

Latest Announcements

DEC 24

EXAMINATION

Final Semester Examination Schedule Released

Click to view full datesheet and instructions.

DEC 20

GENERAL

Winter Vacation Announcement

Important dates regarding campus closure.

DEC 18

EVENT

IBM Hackathon Registration Open

Win internships and exciting prizes.

DEC 15

HOSTEL

Hostel Fee Deadline Extended

Last date to submit fees without penalty.

Upcoming Events

JAN 15, 2026

Tech-Nova 2026


Annual technical festival featuring robotics, coding, and gaming.

Register Now

FEB 10, 2026


Get In Touch

Have questions about admissions, campus life, or placements?
Our team is here to help you.




Campus Address

Railmajra, Ropar,
Punjab 140001, India



Phone Support

Admissions: +911800-123-4567
Admin: 01881-222333



Email Us

admissions@ltsu.ac.in
info@ltsu.ac.in

Send us a Message

Your Name

Phone Number

Email Address

Locate Us

I'm interested in

14. Conclusion:

The development of the **LTSU Punjab Web Portal** successfully demonstrates the application of modern UI/UX design fundamentals in a real-world academic context. Through this project, we achieved several key learning milestones:

- Technical Proficiency:** We mastered the use of **Bootstrap's grid system** and Flexbox to create complex layouts that remain stable across all screen sizes.
- User Experience (UX):** By implementing intuitive navigation and interactive elements (like modals and validation alerts), we enhanced the ease with which a user can find critical information such as fee structures or admission steps.
- Visual Identity:** The project highlights the importance of consistent branding, achieved through a disciplined color palette (Navy Blue and Amber) and professional typography using the *Plus Jakarta Sans* font family.
- Semantic Integrity:** Using semantic HTML5 tags ensured that the website is not only visually organized but also optimized for accessibility and search engine readability.

15. Summary:

Overall, the project delivers a clean, engaging, and fully functional front-end prototype. It serves as a solid foundation for future enhancements, such as integrating a backend database for real-

time application processing or adding JavaScript-driven dynamic content loading. This project confirms our ability to bridge the gap between design theory and technical implementation.

16. References

- L&T LMS: <https://learn.Intedutech.com/Landing/MyCourse>

17. Project link:

- <https://github.com/Rahma5983/My-CollegeandHostel-LTSU-Website>