FPT ACADEMY INTERNATIONAL

FPT – APTECH COMPUTER EDUCATION

Keansburg Park

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Semester: *01*

Batch No: *T5.2410.E0*

Group No: *01*

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***Month**: 01 **Year**: 2025*

This is to certify that

Mr. **HỒ AN THỊNH**

Mr. **HOÀNG NHƯ HẬU**

Ms. **PHẠM ĐĂNG VINH**

Have successfully Designed & Developed

KEANSBURG PARK

Submitted by:

Mr. LE THANH NHAN

Date Of Issue:

Authorized Signature:

Content

Content

Acknowledge

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Acknowledge

As we understand that the eProject is a step-by-step learning environment that closely simulates the class-room and Lab based learning environment into actual implementation. It is a project implementation at your fingertips!! An electronic, live juncture on the machine that allows you to.

- ✓ Practice step by step i.e. laddered approach.
- ✓ Build a larger more robust application.
- ✓ Usage of certain utilities in applications designed by user.
- ✓ Single program to unified code leading to a complete application.
- ✓ Learn implementation of concepts in a phased manner.
- ✓ Enhance skills and add value.
- ✓ Work on real life projects.
- ✓ Give a real-life scenario and help to create applications more complicated and useful.
- ✓ Mentoring through email support.

We would like to send a great thank to our professor and others student for the adorable supports during the time in project.

Beside several mistakes we had made in the project, we hope to have more opportunities to widen our knowledge in web developing world.

We also thank you so much for your information and the “demo” project from India APTECH to help us get more reality experience in this project. Since we have gained more experience from this project, we will not stop learning anything as much as we can to be more successful in the future.

Your Sincerely,

Team Group 01.

Synopsis

The Objective of this program we aim is to give a sample project to work on real life projects. These applications help us build a larger more robust application.

The objective is not to teach us HTML/JavaScript but to provide us with a real-life scenario and help us create basic applications using the tools.

Hence, we can revise the chapters before we start with the project.

This project is meant for students like us who have completed the module of HTML5. These programs should be done in the Lab sessions with assistance of the faculty if required.

Keansburg Park, developed by Gottlieb groups over five years, is a 45-acre national pride featuring operational attractions. They seek a Single-Page-Application and responsive website to describe attractions and facilitate online ticket booking, compatible with all major browsers.

It is very essential for us that will have a clear understanding of the subject. We think we should go through the project and solve the assignments as per requirements given.

And get back ***eprojects@aptech.ac.in*** as the assigned schedule.

Review 1

Problem Definition

Keansburg Park, developed over five years by Gottlieb Groups of Companies, stands as a national pride on a 45-acre expanse, and now requires an engaging online presence. The goal is to create a visually appealing, Single-Page-Application (SPA) and responsive website that highlights all park attractions, facilitates online ticket reservations, and is compatible with all leading browsers like Chrome, IE, and Firefox.

1. Key Requirements:

1.1. **Design and Layout**:

- Attractive color combinations and properly defined links and sections.
- Different zones detailing attractions, restaurants, entertainment options, ticket prices, and a gallery.
- Prices must vary depending on weekdays, weekends, and family packages.
- Sections such as About Us, Contact Us, and Disclaimer should be included.
- Navigation must be smooth with a user-friendly interface.

1.2. **Functionalities**:

- Account creation for users.
- Dummy procedure for ticket booking.
- Capture visitor reviews and ratings.
- Display a gallery with various images.

- Add links for site map, queries, and contact information (email, address, phone number).

1.3. **Interactive Elements**:

- Continuous scrolling ticker with the current date, time, and location using geolocation features of HTML5.
- Display a visitor count at the top right corner beside a logo image.
- Menu options that change color on hover and after clicking, with fade-in and fade-out effects.

2. What can the visitors do with the website?

Visitors to the Keansburg Park website can:

2.1. **Explore Attractions**: Discover different zones, attractions, restaurants, and entertainment options within the park.

2.2. **Ticket Booking**: Book tickets online through a seamless and straightforward process, providing options for weekdays, weekends, and family packages.

2.3. **Create Accounts**: Sign up for personal accounts to manage bookings, receive updates, and store preferences.

2.4. **View Galleries**: Browse through images showcasing various attractions and events at the park.

2.5. **Leave Reviews and** Ratings: Share their experiences by submitting reviews and ratings for the attractions and services.

2.6. **Access** Information: Find detailed information about the park, including sections like About Us, Contact Us, and Disclaimer.

2.7. **Stay** Updated: See the current date, time, and location through a continuous scrolling ticker, along with a visitor count.

2.8. **Navigate** Smoothly: Enjoy a user-friendly interface with smooth navigation and interactive menu features.

Customer Requirements Specifications

1. Client:

Keansburg Park, also known as **Keansburg Amusement Park & Runaway Rapids Waterpark**, is a family-friendly destination located in Keansburg, New Jersey. Here are some highlights about the park:

1.1. **Attractions**: The park offers a variety of rides and attractions suitable for all ages, including classic seaside amusements, modern thrill rides, go-karts, batting cages, and an arcade.

1.2. **Waterpark:** Runaway Rapids Waterpark features over 19 slides of varying heights and speeds, a kids' lagoon with interactive water play, and mini slides. It's a great spot for families to cool off and have fun.

1.3. **Beach:** The park is nestled on the Jersey Shore, providing a perfect blend of adventure and relaxation with its sandy beaches.

1.4. **Events:** Keansburg Amusement Park hosts various events throughout the year, offering special deals and promotions to enhance visitors' experiences.

1.5. **Food** and **Amenities**: Visitors can enjoy a full menu at Toucon Grill and other dining options, as well as plenty of places to grab snacks and drinks.

1.6. **Accessibility:** The park is easily accessible with ample parking options and is a nostalgic favorite for many visitors.

2. Business/Project Objective:

2.1. **Organization/Business Overview**: Keansburg Park, developed by Gottlieb Group of Companies, has become a national pride, spreading joy and entertainment over a 45-acre land. The park management has worked tirelessly to keep the attractions operational and of high quality.

2.2. **Products**: The park offers various zones and attractions, including restaurants and entertainment options.

2.3. **Concerns**: Ensuring the website is visually appealing, user-friendly, and accessible on all leading browsers. Managing online ticket bookings smoothly.

2.4. **Expectations** from **the System**: The Keansburg Park management expects the website to describe all park attractions and allow users to book tickets online. They require a Single-Page-Application (SPA) that is responsive and works well across all leading browsers such as Chrome, IE, and Firefox.

3. User:

3.1. **Input:**

- **Account Management**:
  - Registration data.
  - Login information.
- **Ticket Booking**:
  - Select tickets.

- Enter personal details.

- **Feedback Submission**:
  - Provide reviews.
  - Give ratings.

- **Navigation**:
  - Clicking on menu options.
  - Searching for specific information.

3.2. **Process:**

- **User Account Management**:
  - Verify registration data.
  - Authenticate login details.

- **Ticket Booking**:
  - Process ticket selection.
  - Confirm personal details.
  - Generate booking confirmation.

- **Feedback Processing**:
  - Capture and store reviews.

- Analyze ratings.

- **Navigation:**
  - Load relevant sections.
  - Display responsive and visually appealing content.

3.3. **Output:**

- **Information Display**:
  - Show user account details.
- **Ticket Booking Confirmation**:
  - Confirmation of ticket booking.
  - Display booking information.
- **Feedback Acknowledgement**:
  - Confirmation of feedback submission.
  - Display submitted reviews and ratings.
- **Navigation**:
  - Display relevant content for each section.
  - Show dynamic and responsive menus with hover and click effects.

4. Webmaster:

4.1. Input:

- **Manage User Accounts:**
  - Registration data (e.g., name, email, password).
  - Login information (e.g., username, password).
  - User account updates (e.g., change password, update profile).
- **Manage Tickets:**
  - Ticket details (e.g., event name, date, time, price).
  - Booking requests from users.
  - Updates to ticket availability or pricing.
- **Manage Feedback:**
  - User reviews and ratings.
  - Feedback moderation requests (e.g., flag inappropriate content).
- **System Configuration:**
  - Website settings (e.g., theme, layout, features).
  - Database updates (e.g., add/remove events, update ticket inventory).

4.2. **Process:**

- **User Account Management:**
  - Verify and validate registration data.
  - Authenticate login credentials.
  - Update user account information in the database.
  - Handle password recovery requests.
- **Ticket Management:**
  - Process ticket booking requests.
  - Update ticket availability in the database.
  - Generate and send booking confirmations to users.
  - Monitor and manage ticket inventory.
- **Feedback Management:**
  - Capture and store user reviews and ratings.
  - Moderate feedback to ensure appropriateness.
  - Analyze ratings to generate reports or insights.
- **System Management:**
  - Configure and update website settings.

- Perform database maintenance (e.g., backups, updates).
- Monitor website performance and resolve issues.

4.3. **Output:**

- **User Account Management:**
  - Display user account details in the admin panel.
  - Confirmation of account updates (e.g., password change, profile update).
  - Notifications for successful login or registration.
- **Ticket Management:**
  - Display ticket booking details in the admin panel.
  - Confirmation of ticket updates (e.g., availability, pricing).
  - Reports on ticket sales and bookings.
- **Feedback Management:**
  - Display user reviews and ratings in the admin panel.
  - Confirmation of feedback moderation actions.
  - Reports on overall ratings and feedback trends.
- **System Management:**
  - Updated website settings and configurations.
  - Database backup and maintenance logs.

- Performance reports and issue resolution status.

5. Hardware / software requirement:

5.1. Hardware

- Intel Core i3/i5 Processor or higher
- 8 GB RAM or above
- Color SVGA
- 500 GB Hard Disk space
- Mouse
- Keyboard

5.2. Software

Technologies to be used:

- Frontend: HTML5, CSS, Bootstrap, JavaScript, jQuery, React/AngularJS, Figma, XML
- Data Store: JSON files or TXT files

Other Requirements:

- Operating Portal: Windows
- Browsers: Edge, Chrome, Mozilla Firefox, Safari

6. Scope of the Work (in brief):

The scope of this project involves designing, developing, and documenting a functional website or application. The work includes:

6.1. **Problem Definition:** Clearly defining the problem, the project aims to solve.

6.2. **Design Specifications:** Outlining the technical and functional requirements of the project.

6.3. **Diagrams:** Creating visual representations such as flowcharts, data flow diagrams (DFDs), and other relevant diagrams to illustrate the system's workflow and architecture.

6.4. **Source Code:** Developing and submitting the complete source code for the project.

6.5. **Test Data**: Providing the test data used to validate the functionality of the project.

6.6. **Installation Instructions:** Including clear instructions for setting up and running the project, if applicable.

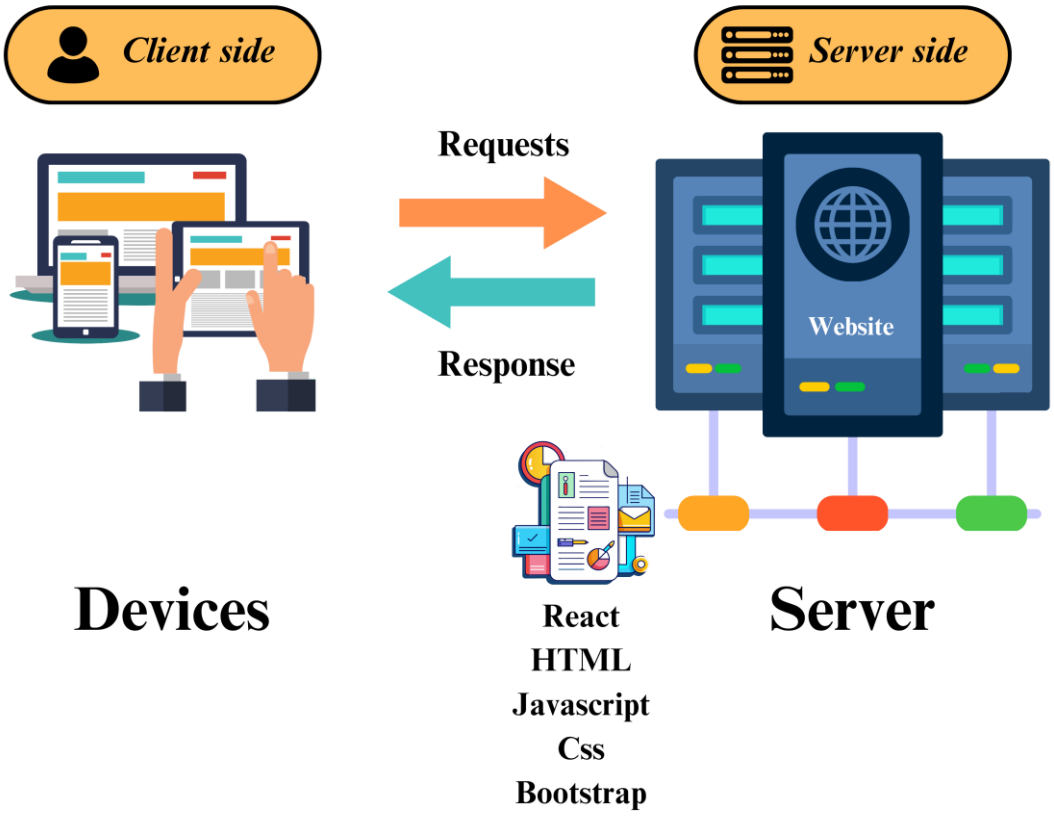
6.7. **Documentation:** Ensuring comprehensive documentation, including a detailed project report and a ReadMe file listing any assumptions made.

6.8. **Demonstration:** Submitting a video clip demonstrating the working of the website or application. Optionally, hosting the site live and providing the URL.

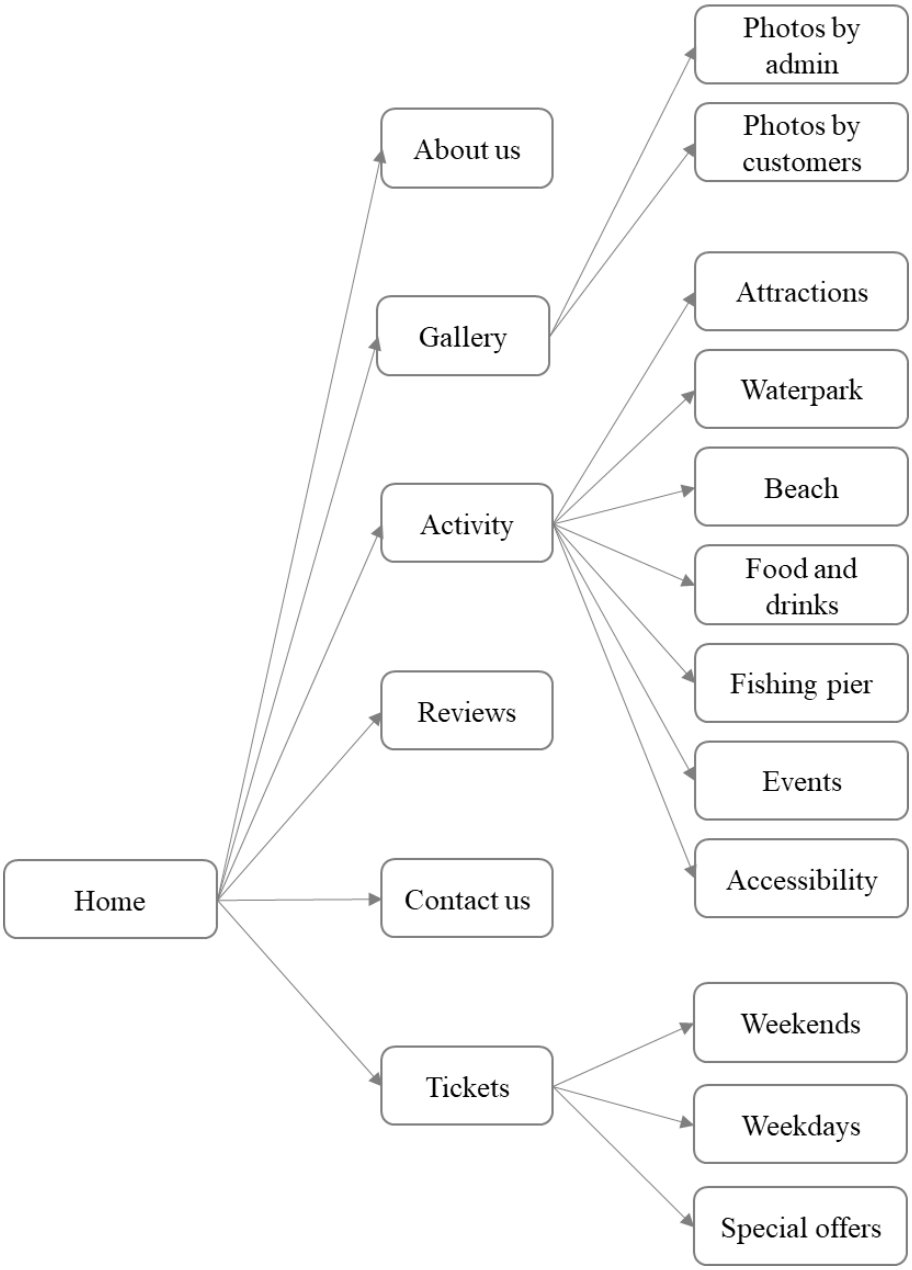
The project also encourages creativity and logical improvements to enhance the portal's functionality and user experience. The final deliverables will be consolidated into a zip file for submission.

Review 2

Architecture and design of the project



SiteMap



	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 01	**LÊ THANH NHÂN**
Signature		
Date		

Review 3

Screen shots

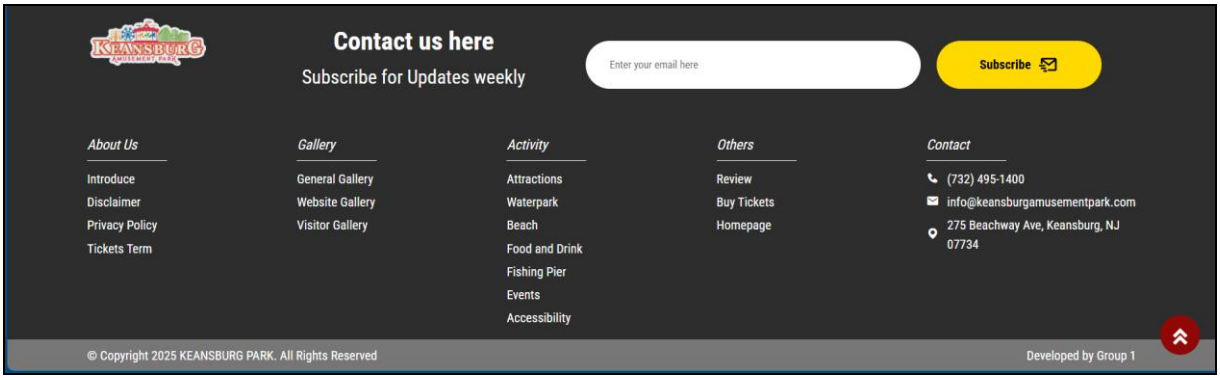
1. Header

Each page will feature a consistent header and footer for a unified user experience across the website.

The header of the Keansburg Amusement Park website is divided into two sections. The maroon top section displays the park's address at "275 Beachway Ave, Keansburg, NJ 07734," contact number "(732) 495-1400," email "info@keansburgamusementpark.com," and social media icons for Facebook, TikTok, Instagram, and YouTube. This section also includes a yellow button labeled "Visits" to show the number of visitors, along with a reset button.

The dark blue bottom section includes navigation links for Home, About Us, Gallery, Activity, Review, Contact Us, and Tickets, with the Tickets link highlighted in red and featuring a ticket icon. Additionally, the Home link is accompanied by a house icon, and a centered "Keansburg Amusement Park" logo ties the header together.

2. Footer



This image shows the footer section of a website for Keansburg Amusement Park. The footer is divided into four main sections: Navigation, Legal Information, Contact, and Introduce.

At the top right corner, there is a text saying "Contact me by email here." At the bottom, there is a copyright notice: "© Copyright 2025 KEANSBURG PARK. All Rights Reserved" and a note "Developed by Group 1."

The red button at the bottom right typically represents a "Back to Top" button on many websites. When clicked, it usually takes the user back to the top of the page quickly, providing a convenient way to navigate lengthy content.

3. Home page:

From: This is the starting page, this is where everything started.

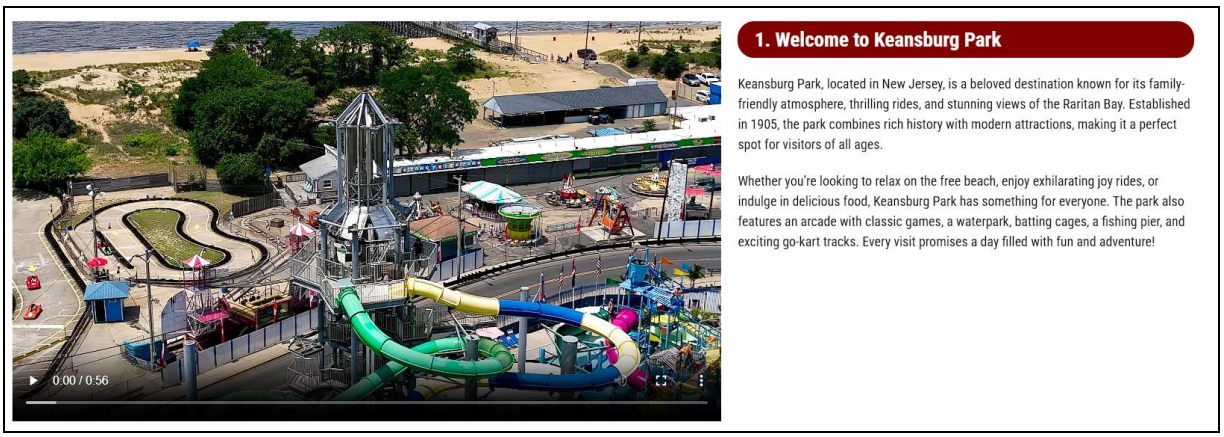
To: Activities, About us, Gallery, Review, Contact us, and Tickets.

The home page offers an inviting overview of Keansburg Park, including its history and atmosphere. It highlights the park's entertainment facilities, a map for easy navigation, selected visitor reviews, and ticket options to help plan your visit.

The home page is divided into sections, each beginning with a maroon header followed by the relevant content.

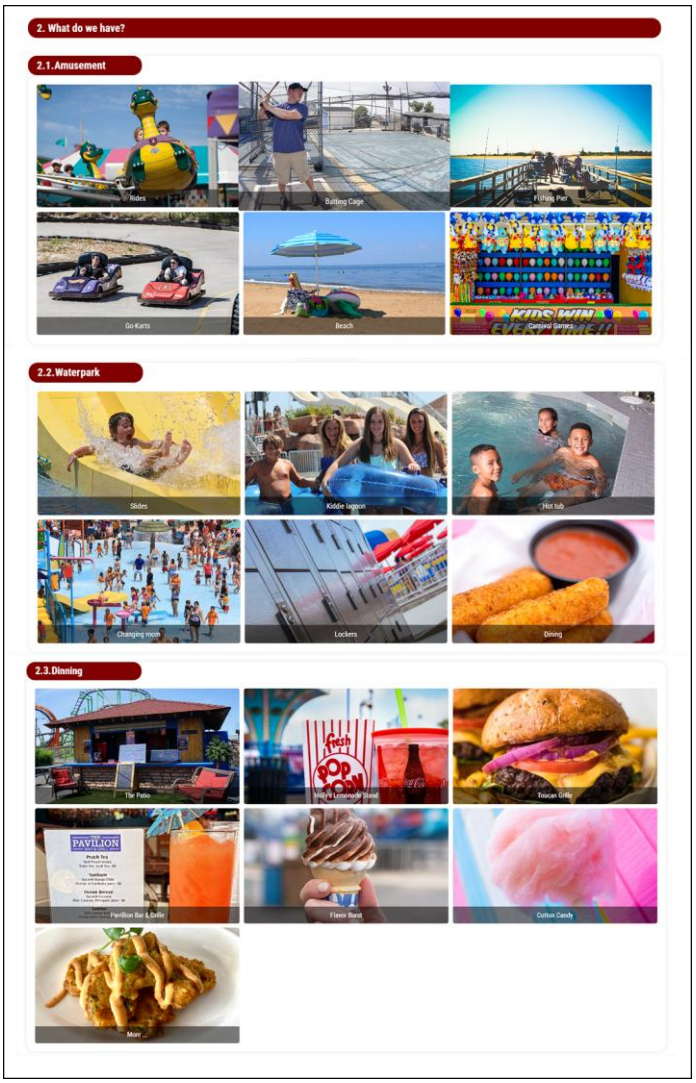
3.1. **Introduction**

The introduction section features a looping video on the left showing happy visitors enjoying the park, with a description on the right providing an overview of Keansburg Park.



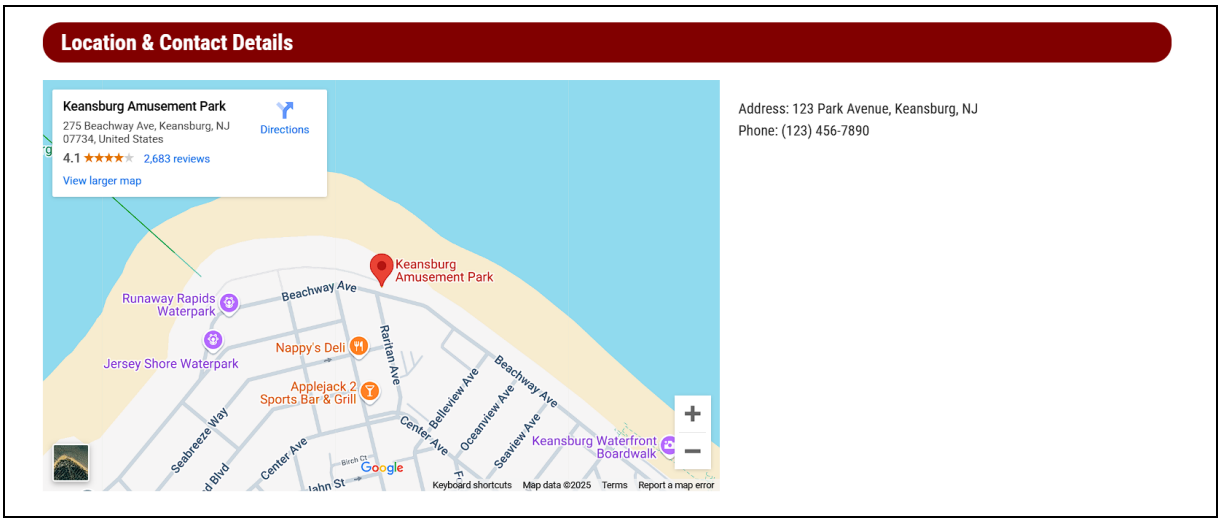
3.2. **Activities**

The activities section showcases three main experiences: amusement, water park, and dining. Each part features a grid of pictures with captions, illustrating the array of activities visitors can enjoy during their stay.



3.3. **Location and contact details**

This section features a map to the park along with its address and phone number for easy reference.



3.4. **Reviews**

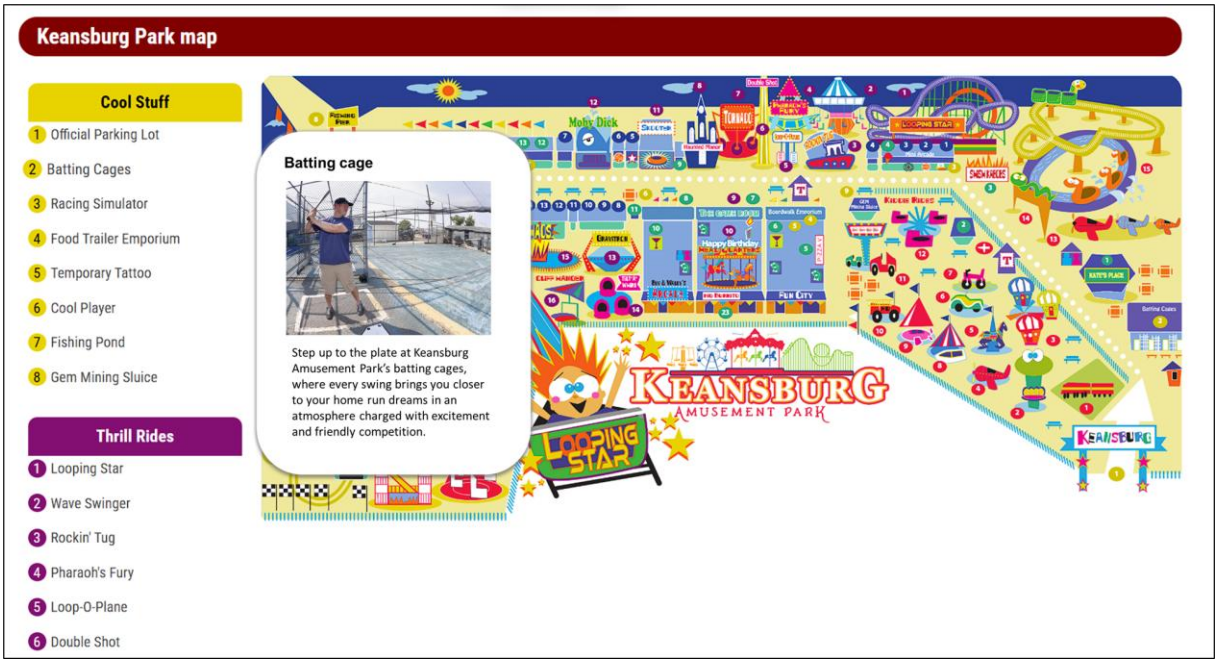
The reviews section show the most notable feedback from visitors. Each review includes the reviewer's username, location, rating, title, and detailed comments about their experience. Additionally, each review mentions the date visited, the type of travel, and the date the review was written.

4. Activity Page:

From: Home

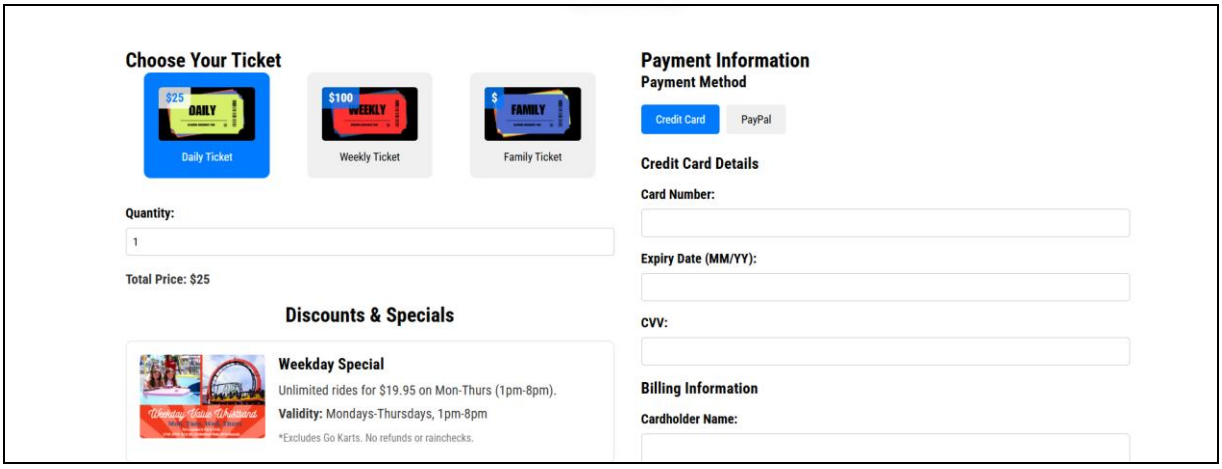
To: Amusement, Waterpark, Food and Drink, Events, Accessibility, Beach, Fishing pier

The activity page provides an aerial view of the entire park. On the left side, there's a list of entertainment facilities, each with a corresponding number that matches the markers on the map. When hovering over an item on the list, a detailed card appears, floating next to the listed facility, offering additional information. The list is scrollable, while the map remains fixed, ensuring easy navigation and connection between the list and map markers.



A window with detail description will appear when hover.

5. Tickets Page:



From: Home

To: Daily, Weekly, Family pack.

Daily: Price details, booking options for weekdays.

Weekly: Price details, booking options for weekdays.

Family Pack: Special offers, family pack details.

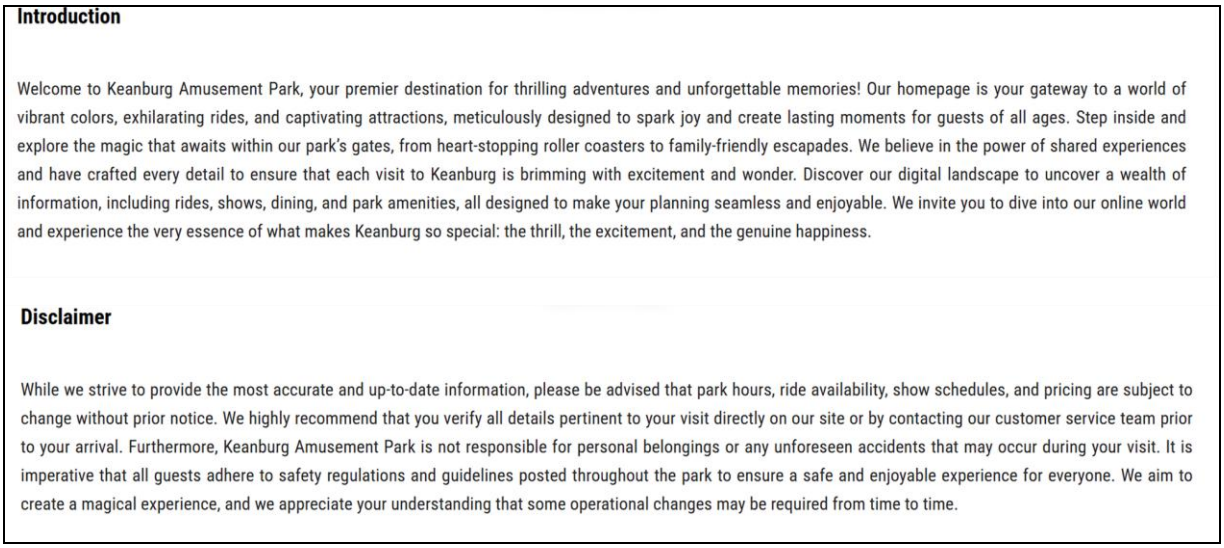
Adding identifying info: Requires visitors to enter identifying information such as Card Number, Expiry Date (MM/YY), CVV, Cardholder Name, Billing Address, Phone Number, and Email before proceeding with the purchase.

6. About Us Page:

From: Home

To: This page does not navigate to any additional content.

This page features paragraphs that detail the formation and history of the park, providing a comprehensive overview. It also includes essential contact information such as the phone number, email, and address, ensuring visitors can easily get in touch if needed. Additionally, the page provides legal information and disclaimers for complete transparency.



Introduction

Welcome to Keanburg Amusement Park, your premier destination for thrilling adventures and unforgettable memories! Our homepage is your gateway to a world of vibrant colors, exhilarating rides, and captivating attractions, meticulously designed to spark joy and create lasting moments for guests of all ages. Step inside and explore the magic that awaits within our park's gates, from heart-stopping roller coasters to family-friendly escapades. We believe in the power of shared experiences and have crafted every detail to ensure that each visit to Keanburg is brimming with excitement and wonder. Discover our digital landscape to uncover a wealth of information, including rides, shows, dining, and park amenities, all designed to make your planning seamless and enjoyable. We invite you to dive into our online world and experience the very essence of what makes Keanburg so special: the thrill, the excitement, and the genuine happiness.

Disclaimer

While we strive to provide the most accurate and up-to-date information, please be advised that park hours, ride availability, show schedules, and pricing are subject to change without prior notice. We highly recommend that you verify all details pertinent to your visit directly on our site or by contacting our customer service team prior to your arrival. Furthermore, Keanburg Amusement Park is not responsible for personal belongings or any unforeseen accidents that may occur during your visit. It is imperative that all guests adhere to safety regulations and guidelines posted throughout the park to ensure a safe and enjoyable experience for everyone. We aim to create a magical experience, and we appreciate your understanding that some operational changes may be required from time to time.

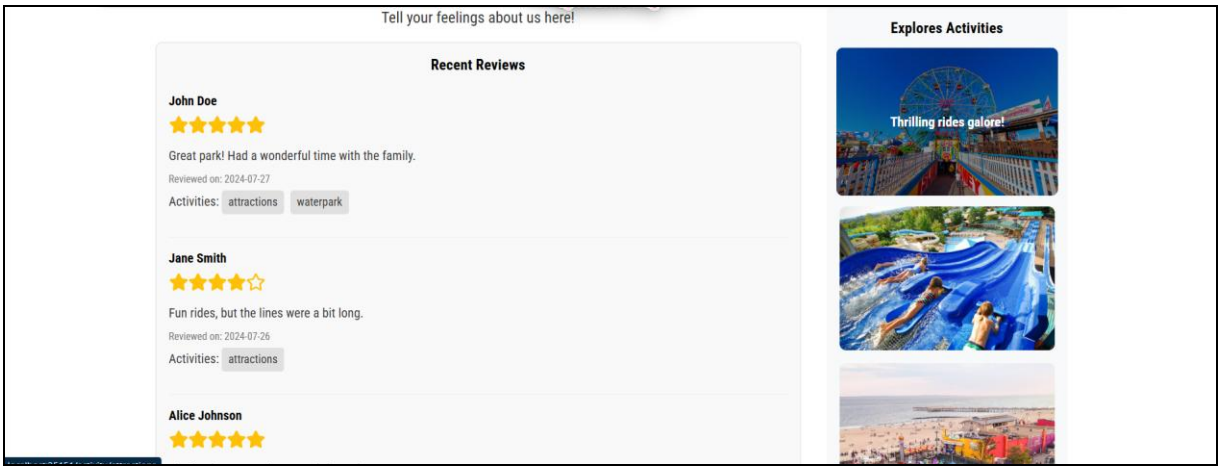
7. Reviews Page:

From: Home

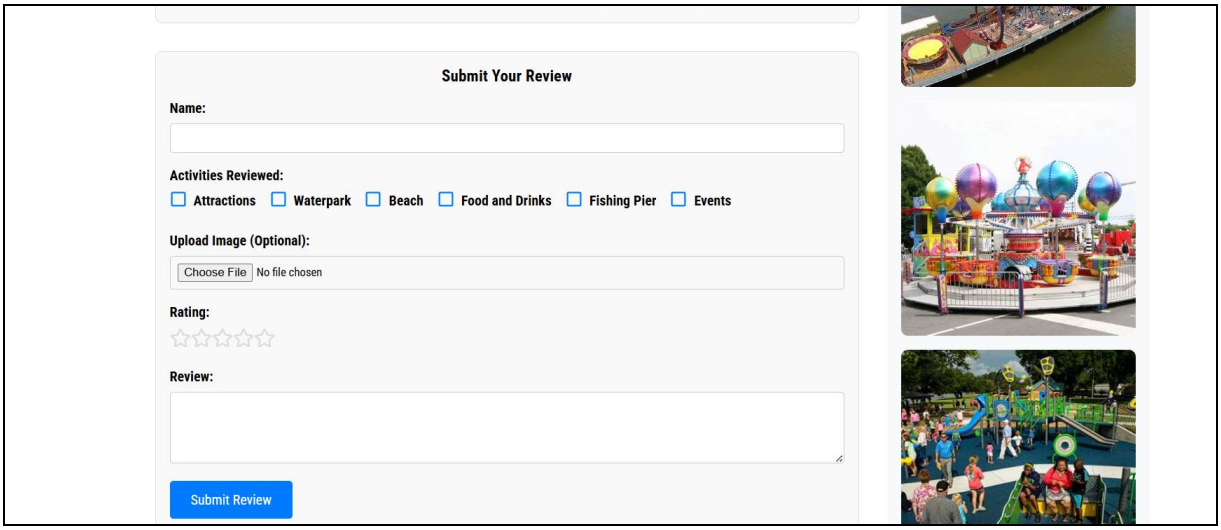
To: This page does not navigate to any additional content.

Capture and display reviews for all ticket types in one section. Allow visitors to rate their experiences and leave feedback irrespective of ticket type.

7.1. **Recent Reviews**



7.2. **Write and Submit Reviews**

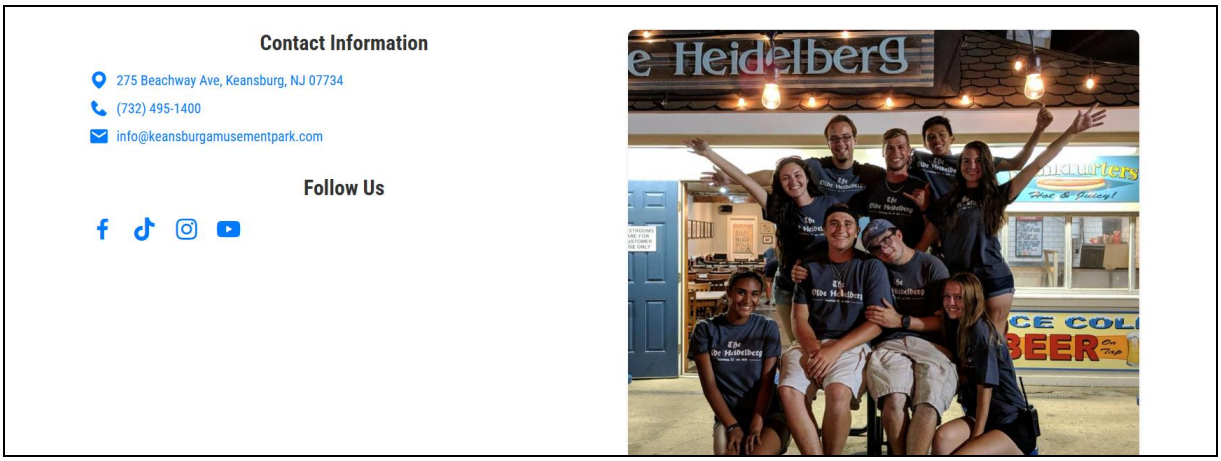


8. Contact Us Page:

From: Home

To: This page does not navigate to any additional content.

This page includes essential contact information such as the phone number, email, and address, ensuring visitors can easily get in touch if needed.



	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 01	**LÊ THANH NHÂN**
Signature		
Date		

Checklist Of Validations

Sr.No	Features Tested	Remarks
1	**General** • Fast loading times and optimized performance. • Cross-browser compatibility (Chrome, Firefox, Safari, Edge). • Clear and consistent navigation.	
2	**Homepage** • Inviting overview of the park's history and atmosphere. • Highlights of the park's entertainment facilities. • Selected visitor reviews. • Ticket options for easy booking.	
3	**Activities Page** • Aerial view of the entire park. • List of entertainment facilities with corresponding map markers. • Hover feature for detailed cards with title, picture, and description. • Scrollable list with fixed map position. • Detailed sections about Amusement, Waterpark, Dining, Fishing pier, and Beach	
4	**Contact us Page** • Address, phone number, and email for contact. • Contact information for inquiries and support.	
5	**About Us Page** • Detailed information about the park's formation and history. • Vision, mission, and core values of the park. • Profiles or information about the management team. • Legal information and disclaimers.	
6	**Review Section** • Allows visitors to rate their experiences and leave feedback.	

	• User-friendly form for submitting new reviews.	
Sr.No	**Features Tested**	**Remarks**
7	**Ticket Booking Page** • Price details and booking options for weekdays, weekends, and family packs. • Special offers and family pack details. • Requires visitors to enter identifying information (Card Number, Expiry Date, CVV, Cardholder Name, Billing Address, Phone Number, Email).	
8	**Visual and User Experience** • Consistent color scheme and typography. • High-quality images and media. • Intuitive user interface and smooth navigation. • Hover effects and interactive elements.	
9	**Content** • Clear and concise text content. • Grammar and spelling checked.	
10	**Functionality** • Working links and buttons. • Properly functioning forms.	

Submission Checklist

Sr.No	Aspected Tested	Suggestion/ Remarks
1	Are all the users able to view the images and links?	
2	Have all the views, modules and controllers been properly integrated and is the site function as a single page application?	
3	Are the GUI content devoid of spelling mistakes?	
4	Is the application user-friendly?	
5	Is the Website launching correctly in all popular browsers?	
6	Are all the forms validated with proper criteria?	
7	Do all text links lead to the appropriate website?	
8	Do all image links lead to the appropriate website?	
9	Are all the images and links clearly visible on the page?	
10	Does the Web page work properly in all the tested browsers?	
11	Does the Web page take too long to be loaded fully?	
12	Is the navigation sequences correct through all the Web pages on the site?	
13	Is the JavaScript code working as expected in all click events?	

Task Sheet

No	Member	Contents	Page Name	Activity Plan	Date of Preparation of Activity Plan		
				Planed Start Date	Actual Start Date	Actual Days	Status
1	Hồ An Thịnh	Homepage	Homepage.jsx	15-01-2025	15-01-2025		OK
2		Activity	Activity.jsx	15-01-2025	15-01-2025		OK
3		About us	AboutUs.jsx	15-01-2025	15-01-2025		OK
4		Amusement	Amusement.jsx	15-01-2025	15-01-2025		OK
5		Water park	WaterPark.jsx	15-01-2025	15-01-2025		OK
6		Dining	Dining.jsx	15-01-2025	15-01-2025		OK
1	Hoàng Như Hậu	News	News.jsx	15-01-2025	15-01-2025		N/A
1	Phạm Đăng Vinh	Header	All pages	15-01-2025	15-01-2025		OK
2		Footer	All pages	15-01-2025	15-01-2025		OK
3		Tickets	Tickets.jsx	15-01-2025	15-01-2025		OK
4		Review	Review.jsx	15-01-2025	15-01-2025		OK
5		Gallery	Gallery.jsx	15-01-2025	15-01-2025		OK
6		Contact us	ContactUs.jsx	15-01-2025	15-01-2025		OK

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 01	**LE THANH NHAN**
Signature		
Date		

Backcover