Cultural Activities Website

HOMEWORK FORCENG374-INTERNET PROGRAMMING

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1. Introduction

In this project, our aim was to create a Cultural Activities Website designed to enhance the visibility and engagement of cultural events within a specific region or community. Leveraging modern web development technologies, the website serves as a comprehensive platform for users to discover, learn about, and interact with various cultural events. Unlike traditional event listings, this platform provides dynamic content, including detailed information about each event, user feedback mechanisms, and the potential for future enhancements such as event searches based on user criteria. The project focuses on user experience, ensuring the site is accessible, informative, and engaging.

Objectives

- **Promote Cultural Events**: Offer an accessible digital platform to increase the visibility of local cultural events, encouraging community participation.
- **Provide Detailed Event Information**: Use dynamic content to deliver comprehensive details about each event, including schedules, locations, and descriptions.
- **Engage Users**: Enable users to provide feedback on events through comments, fostering a sense of community and interaction.
- **Responsive Design**: Ensure the website is adaptable to various screen sizes and devices, providing a seamless user experience.

Approach

The development of the Cultural Activities Website involved the integration of HTML, CSS, JavaScript, and PHP to create a responsive and dynamic web application. By interfacing with external APIs, the site fetches real-time data on events, presenting users with up-to-date information and visuals. The project also explored foundational web development practices, focusing on responsive design, user interaction, and data management.

2. Theoretical Information

The Role of Cultural Events in Community Engagement

Cultural events serve as vital conduits for expressing community identity, heritage, and diversity. They offer unique opportunities for individuals to engage with their community, experience different cultures, and participate in shared activities that foster a sense of belonging and collective memory. From local art exhibitions to music festivals, cultural events enrich the social fabric by promoting inclusivity, creativity, and learning.

Digital Platforms: Extending Reach and Accessibility

In the digital age, the promotion and accessibility of cultural events have been significantly enhanced through online platforms. Websites and social media channels have become indispensable tools for event organizers to reach a broader audience, surpassing the limitations of traditional media and physical marketing. Digital platforms offer several advantages:

- **Wider Reach**: The internet's global reach allows for the promotion of events to a much broader audience, including international visitors and those who may not have access to local print or broadcast media.

- **Real-time Information**: Online platforms provide the capability to update event information in real-time, ensuring potential attendees have access to the latest details regarding dates, locations, and availability.
- **Interactivity and Engagement**: Digital spaces enable two-way communication between event organizers and the community, allowing for immediate feedback, discussions, and user-generated content, thereby increasing engagement and interest.
- **Accessibility and Inclusion:** By providing event information online, organizers can reach individuals with physical disabilities or those who live in remote areas, making cultural events more inclusive and accessible to all.

Implications for Web Development

The development of a cultural events website necessitates a deep understanding of both the potential impact of these events and the capabilities of digital platforms to support their promotion. Web developers must consider several key factors:

- **User Experience (UX):** The website must be intuitive and easy to navigate, ensuring users can find event information quickly and efficiently.
- **Responsive Design**: Given the variety of devices used to access websites, a responsive design ensures that the site is accessible and functional across all screen sizes and devices.
- **Dynamic Content**: Integrating dynamic content, such as real-time event listings and user feedback mechanisms, enhances the interactivity and relevance of the website.
- **Accessibility Standards**: Adhering to web accessibility standards is crucial in making cultural events accessible to a wider audience, including those with disabilities.

In summary, the theoretical foundation of this project lies in understanding the significant role cultural events play in community engagement and the transformative power of digital platforms in extending their reach and accessibility. This understanding informs the development process, guiding the creation of a website that effectively promotes cultural participation and interaction within the community.

3. Technologies Used and Technical Requirements

The development of the Cultural Activities Website leveraged a combination of modern web technologies and development practices to create a responsive, user-friendly platform. This section outlines the key technologies employed in the project, demonstrating how they contributed to fulfilling the technical requirements.

HTML

HTML (HyperText Markup Language) served as the foundation for structuring the website's content. By semantically marking up the content, we ensured that the website was accessible and easily interpreted by web browsers and assistive technologies. HTML5 features, such as semantic tags (<**header**>, <**nav**>) were utilized to structure the website logically and enhance SEO (Search Engine Optimization).

CSS

CSS (Cascading Style Sheets) was employed to style the website, providing a visually appealing and consistent user experience across different pages. The stylesheet (**assets/style.css**) defined the website's color scheme, typography, layout grids, and responsive design features. Responsive design techniques,

including media queries and flexible grid systems, ensured that the site was accessible and functional across a range of devices and screen sizes.

JavaScript

JavaScript enriched the user interface with dynamic content and interactivity. Two main scripts, **assets/scriptHome.js** and **assets/scriptEvent.js**, were developed to handle dynamic event listings and detailed event information. These scripts made asynchronous requests to the server (**data.php**), fetching real-time data from external APIs and updating the webpage content without reloading, thereby enhancing the user experience.

PHP

PHP (Hypertext Preprocessor) was utilized for server-side scripting, enabling dynamic content generation and data processing. PHP scripts were responsible for including reusable components (e.g., **head.php**, **navigation.php**), handling form submissions, and interacting with external APIs to retrieve event and geocoding information. This server-side logic facilitated a modular website architecture, where common elements were efficiently reused across different pages.

External APIs

Integration with external APIs was a crucial aspect of the project, allowing the website to display up-to-date cultural event information and geographical data. The **classes.php** file contained PHP classes designed to interact with these APIs, fetching event listings based on user location and other criteria. This integration exemplified how web applications could leverage third-party data to enrich their content offerings.

Technical Requirements

- **Responsive Design:** Ensured through CSS media queries and flexible layouts, adapting the website's appearance and functionality to different screen sizes and devices.
- **Accessibility:** Addressed by semantic HTML structure, appropriate *ARIA* (Accessible Rich Internet Applications) labels, and keyboard navigation support, making the website usable for people with disabilities.

In conclusion, the combination of these technologies and practices allowed the Cultural Activities Website to meet its goal of promoting cultural events while ensuring accessibility, responsiveness, and user engagement. This technological foundation supports future enhancements, such as adding an **event search** feature or **integrating social media sharing** capabilities.

4. Additional Features

In designing the Cultural Activities Website, several additional features were conceptualized to enhance user interaction, provide dynamic content, and improve accessibility. While some features were fully implemented, others present opportunities for future development. This section outlines these features, emphasizing their role in enriching the user experience and engagement with the website.

Implemented Features

- **Dynamic Event Listings**: The website utilizes JavaScript (*assets/scriptHome.js*) and PHP (*data.php*) to dynamically display upcoming cultural events on the homepage and events page. This

approach allows for real-time updates and personalization of event listings based on user preferences and location.

- **User Comments on Event Details**: The event details page (*event.php*) includes a simulated user feedback section. This feature demonstrates the potential for interactive engagement, allowing users to share their experiences and opinions about events. Future implementations could integrate a database to store and display real comments dynamically.
- **Responsive Web Design**: Achieved through CSS (*assets/style.css*), the website's layout and content adapt seamlessly to various screen sizes and devices. This responsiveness ensures that all users, regardless of their device, have a consistent and accessible experience.

Potential Future Enhancements

- **Event Search Functionality**: While not implemented in the current version, the architecture of the website supports the addition of an event search feature. By allowing users to search for events based on specific criteria (e.g., *date*, *location*, *event type*), the website can offer a more tailored and user-friendly browsing experience.
- **Online Registration for Events**: Initially planned as part of the project, an online registration form for users interested in participating in events would further enhance the site's interactivity and user engagement. This feature would require backend development to process registrations and manage user data securely.
- **Social Media Integration**: Incorporating social media sharing buttons and feeds could significantly extend the reach of cultural events promoted on the website. This integration would facilitate easy sharing of event details, increasing visibility and participation.
- **Accessibility Enhancements**: Continuing to improve the website's accessibility by following web accessibility guidelines and best practices ensures that the site remains usable and inclusive for all users, including those with disabilities.

Conclusion

The Cultural Activities Website's additional features, both implemented and envisioned, reflect a commitment to creating a dynamic, user-centered platform for promoting cultural events. By focusing on interactivity, personalization, and accessibility, the website not only serves as a valuable resource for event discovery but also fosters a sense of community and engagement among users. Future developments will continue to build on this foundation, expanding the website's capabilities and reach.

5. Project Planning Process

The development of the Cultural Activities Website was meticulously planned and executed to ensure a comprehensive platform that not only meets the technical requirements but also addresses the needs of the target audience. This section outlines the steps taken from conceptualization to deployment, highlighting the methodologies employed to overcome challenges and achieve the project's goals.

Conceptualization

The project began with a clear objective: to create an accessible and dynamic website that promotes cultural events. Initial brainstorming sessions focused on identifying key features such as dynamic event listings, user feedback mechanisms, and a responsive design to cater to a broad audience. The planning phase involved researching similar platforms, understanding user expectations, and establishing a feature set that balanced innovation with practicality.

Design and Development

With a feature set defined, the design phase translated conceptual ideas into tangible designs. Wireframes and mock-ups were created for each page, emphasizing usability and aesthetics. These designs served as blueprints for the development phase, ensuring alignment with the project's vision.

The development phase was iterative, employing agile methodologies to adapt to changing requirements and feedback. The website was built using HTML, CSS, JavaScript, and PHP, with a focus on:

- **Responsive Design**: Ensuring the website's accessibility across various devices and screen sizes.
- **Dynamic Content**: Implementing JavaScript and PHP to fetch and display real-time event data.
- **User Engagement**: Creating interactive elements like the simulated comments section to enhance user participation.

Testing and Refinement

Testing was integral to the project, involving both automated and manual testing strategies to identify and rectify issues related to functionality, design, and user experience. Responsive design testing ensured that the website maintained its integrity across different devices and browsers. User feedback from early access users provided invaluable insights that led to several iterative refinements.

Challenges and Solutions

Several challenges emerged during the project, including:

- **API Integration**: Ensuring stable and efficient integration with external APIs for event data posed technical challenges. Solutions involved optimizing request handling and implementing caching mechanisms to improve performance and reliability.
- **Responsive Design**: Achieving a seamless responsive design required meticulous testing and adjustments. The solution involved using flexible grid layouts, media queries, and scalable units to ensure the website's adaptability.
- **User Engagement**: Engaging users and encouraging interaction required creative approaches. Implementing a user feedback simulation provided a foundation for future enhancements, such as real user comment functionality and social media integration.

Deployment and Future Directions

The website was deployed with core functionalities, meeting the initial project objectives. Post-deployment, user feedback and analytics are being used to guide further enhancements. Future directions include implementing a comprehensive search feature, integrating social media, and expanding the interactive user feedback system.

Conclusion

The project planning process for the Cultural Activities Website exemplified a balanced approach to web development, incorporating user-centric design, technical innovation, and iterative refinements. By navigating challenges with adaptive solutions, the project successfully delivered a platform that enhances the visibility and accessibility of cultural events.

6. Conclusion and Discussion

The Cultural Activities Website project represents a significant step forward in the promotion and accessibility of cultural events through digital means. This initiative has successfully demonstrated how modern web development technologies can be harnessed to create a platform that not only serves informational purposes but also fosters community engagement and participation. Below are key takeaways from the project and considerations for future development.

Achievements

- **Dynamic Content Delivery**: Through the integration of external APIs and the use of JavaScript and PHP, the website dynamically presents real-time information on cultural events, enhancing user experience by providing up-to-date details.
- **User Interaction**: The implementation of a comments section, even in a simulated environment, sets the groundwork for future interactive features, encouraging user engagement and feedback.
- **Responsive Design**: The website's responsive design ensures accessibility and usability across a wide range of devices, making cultural event information available to a broader audience.

Lessons Learned

The development process highlighted several important lessons:

- **The Importance of Planning**: Comprehensive planning in the initial stages of development helped in identifying potential challenges and determining the scope and direction of the project, underscoring the value of a well-thought-out blueprint.
- **Flexibility and Adaptation**: Encountering unforeseen challenges, particularly with external API integrations and responsive design, underscored the importance of being adaptable and open to iterative improvements based on testing and feedback.
- **User-Centric Design**: Focusing on user experience and accessibility from the outset guided design and development decisions, emphasizing the significance of building with the end-user in mind.

Future Directions

While the project met its initial objectives, there are several areas identified for future enhancements:

- **Real User Feedback Integration**: Moving beyond simulated comments to incorporate a database-driven feedback system will enrich the website's interactivity and provide valuable insights into user preferences and experiences.
- **Event Search Feature**: Implementing an advanced search feature to filter events by date, location, and type will improve site navigation and user satisfaction, making it easier for users to find events that match their interests.
- **Social Media Integration**: Integrating social media sharing options will extend the reach of event promotions, tapping into the viral potential of social media to attract a larger audience to cultural events.

Conclusion

The Cultural Activities Website serves as a testament to the potential of web technologies in enhancing cultural engagement. It lays a solid foundation for future innovations and improvements, with the ultimate goal of creating a vibrant, interactive community around cultural events. As the project evolves,

it will continue to adapt to user needs and technological advancements, striving to be a leading platform in cultural event promotion.

7. References

In the development of the Cultural Activities Website, several resources were consulted to ensure the application of best practices in web development, design, and user experience. Below is a list of references that significantly contributed to the project's success:

Technical Documentation and Online Resources

Mozilla Developer Network (MDN). HTML, CSS, and JavaScript documentation on MDN were constantly referenced for up-to-date coding standards and best practices.

W3C Web Accessibility Initiative (WAI). Guidelines from the Web Accessibility Initiative informed the approaches taken to ensure the website was accessible to users with disabilities.

Stack Overflow. Various discussions and solutions on Stack Overflow were consulted to solve specific development challenges encountered during the project.

API Documentation

Ticketmaster API Documentation. Provided essential information for integrating dynamic event listings into the website.

Geocode.Maps.co API Documentation. The Geocode API was utilized for converting geolocation data into street addresses, enhancing the user experience by providing contextually relevant event locations.

These references were pivotal in addressing the technical, design, and usability aspects of the project, ensuring the development of a robust, user-friendly website. Future updates and enhancements to the website will continue to be informed by emerging best practices and innovations in web technology and design.

8. Program Codes

File Structure

```
Cultural Activities Website
|
|— assets
|       |— normalize.css      # Normalize default styles across different browsers
|       |— style.css          # Main stylesheet for the website's look and feel
|       |— scriptHome.js      # Handles dynamic content on the homepage
|       └── scriptEvent.js    # Manages fetching and displaying event details
|
|— classes.php                # Defines classes for interacting with external APIs
|— data.php                   # Retrieve content with external APIs
|
|— head.php                   # Contains common head elements for all pages
|— navigation.php             # Provides the navigation menu
|
```

Files

Classes.php

```php
<?php
class ticketMaster
{
    private static string $apiKey;
    public function __construct($key)
    {
        $this->setApiKey($key);
    }
    public function setApiKey($key): void
    {
        self::$apiKey = $key;
    }
    public static function getApiKey(): string
    {
        return self::$apiKey;
    }
    public static function eventList(float $lat, float $long, int $radius, string
$unit, string $startDate, string $endDate, $size, $apiKey = null): String
    {
        $apiKey = $apiKey ?? self::getApiKey();
        return
"https://app.ticketmaster.com/discovery/v2/events?apikey=$apiKey&latlong=$lat,$lo
ng&radius=$radius&unit=$unit&locale=*&startDateTime={$startDate}&endDateTime={$en
dDate}&size={$size}&sort=date,desc";
    }
    public static function getEventDetails($eventID, $apiKey = null): String
    {
        $apiKey = $apiKey ?? self::getApiKey();
        return
"https://app.ticketmaster.com/discovery/v2/events/{$eventID}?apikey={$apiKey}&loc
ale=*";

    }
}
class geoCoder
{
    private static string $apiKey;
    public function __construct($key)
```

```php
    {
        $this->setApiKey($key);
    }
    public function setApiKey($key): void
    {
        self::$apiKey = $key;
    }
    public static function getApiKey(): string
    {
        return self::$apiKey;
    }
    public static function getAddress($lat, $long, $apiKey = null): String
    {
        $apiKey = $apiKey ?? self::getApiKey();
        return
"https://geocode.maps.co/reverse?lat={$lat}&lon={$long}&api_key={$apiKey}";
    }

}

class fileLoader
{
    private static $instance = null;
    private static $content = null;
    private static $url = null;
    private function __construct()
    {
    }
    public static function checkInstance()
    {
        if (self::$instance === null) {
            self::$instance = new self();
        }
    }
    public static function init()
    {
        self::checkInstance();
        return self::getInstance();
    }
    public static function getInstance()
    {
        return self::$instance;
    }
    public static function setSource($source)
    {
```

```php
        $data = file_get_contents($source);
        self::setContent($data);
        return self::getInstance();
    }
    public static function getContent()
    {
        return self::$content;
    }
    private static function setContent($content)
    {
        self::$content = $content;
        return self::getInstance();
    }
    public static function decodeJSON()
    {
        return json_decode(self::getContent());
    }
}
```

Head.php

```php
<!DOCTYPE html>
<html lang="tr">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Yakın çevre etkinlik bulucu</title>
<link rel="stylesheet" href="assets/normalize.css">
<link rel="stylesheet" href="assets/style.css">
</head>

<body>
    <?php require_once "navigation.php" ?>
```

Navigation.php

```php
<header>
    <nav>
        <ul>
            <li><a href="index.php">Anasayfa</a></li>
            <li><a href="events.php">Etkinlikler</a></li>
            <li><a href="contact.php">İletişim</a></li>
        </ul>
    </nav>
</header>
```

Index.php

```php
<?php require_once "head.php" ?>
    <div class="location">
    <span><b class='loading'>Yükleniyor...</b></span>
    </div>
    <div class="image-gallery">
    </div>
</body>
<script>
    process = "featuredEvents"
</script>
<script src="assets/scriptHome.js">

</script>

</html>
```

Events.php

```php
<?php require_once "head.php" ?>

    <div class="location">
    <span><b class='loading'>Yükleniyor...</b></span>
    </div>
    <div class="image-gallery">
    </div>
</body>
<script>
    process = "getEvents"
</script>
<script src="assets/scriptHome.js">

</script>

</html>
```

Event.php

```php
<?php require_once "head.php" ?>
<div class="eventDetails loadingData">
    <img src="https://placehold.co/1920x400/png" alt="">
    <div class="eventContent">
        <div class="eventInformation">
            <h1>Etkinlik İsmi...</h1>
            <p>Etkinlik Tarihi ve Yer...</p>
            <p>Kategori...</p>
            <p>Bilet Durumu...</p>
```

```html
            <p>Lorem Ipsum […]</p>
            <p>Etkinlik Bağlantısı...</p>
            <form action="">
                <h2>
                    Etkinlik Hakkında
                </h2>
                <textarea name="" id="" placeholder="hislerinizi ve
beklentileriniz girebilirsiniz..."></textarea>
                <button type="button"
onclick="window.location.reload()">gönder</button>
            </form>
            <div class="comments">
                <ul>
                    <li>
                        <p><b>John Doe:</b></p>
                        <p>Lorem Ipsum […]</p>
                    </li>
                    <li>
                        <p><b>Jane Doe:</b></p>
                        <p>Lorem Ipsum […]</p>
                    </li>
                    <li>
                        <p><b>John Doe:</b></p>
                        <p>Lorem Ipsum […]</p>
                    </li>
                    <li>
                        <p><b>Jane Doe:</b></p>
                        <p>Lorem Ipsum […]</p>
                    </li>
                </ul>
            </div>
        </div>
        <div class="image-gallery">
        </div>
    </div>
</div>

</body>
<script>
    eventID = <?php echo "'{$_GET['id']}'" ?? "null";
             echo "\n"; ?>
</script>
<script src="assets/scriptEvent.js"></script>

</html>
```

Contact.php

```php
<?php require_once "head.php" ?>

    <div class="contact">
        <span><a target="_blank"
href="mailto:cakirefekan@gmail.com">cakirefekan@gmail.com</a></span>
        <span><a target="_blank"
href="https://twitter.com/cakirefekan">x/cakirefekan</a></span>
        <span><a  target="_blank"
href="https://www.linkedin.com/in/cakirefekan/">linkedin/cakirefekan</a></span>
        <p>Yakın çevre etkinklik aracısı ile alakalı görüş, öneri ve
şikayetlerinizi buradan da bildirebilirsiniz.</p>
        <form action="" method="get">
            <input type="text" placeholder="ad soyad..." />
            <textarea name="comment" id="" placeholder="mesaj..." ></textarea>
            <button type="button">gönder</button>
        </form>
    </div>
</body>
</script>

</html>
```

Assets/style.css

```css
:root {
    --gap: .25rem;
    box-sizing: border-box;
}

html,
body {
    margin: 0;
    padding: 0;
    font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-
serif;
}

body {
    width: 100%;
    display: flex;
    justify-content: center;
    align-items: center;
    flex-direction: column;
}

img {
```

```css
        max-width: 100%;
        height: auto;
}

/* Parent container of .image-card */
body>.image-gallery {
        columns: 3;
        column-gap: var(--gap);
        margin: 1rem;
        width: 75%;
}

.image-card {
        position: relative;
        display: block;
        color: #000;
}

.image-card img {
        width: 100%;
        object-fit: cover;
        filter: grayscale(.75);
        transition: filter .5s ease-in-out, box-shadow .5s ease-in-out;
}

.image-card:hover img {
        filter: grayscale(0);
        box-shadow: 0px 0px 5px #000;

}

.image-name {
        position: absolute;
        bottom: 0;
        padding: .5rem 1rem;
        background-color: rgba(255, 255, 255, 0.50);
        bottom: 0.25em;
}

.image-venue {
        position: absolute;
        top: 0;
        right: 0;
        padding: .5rem 1rem .5rem 1rem;
        background-color: rgba(255, 255, 255, 0.50);
```

```css
}

.eventDetails {
    width: 100%;
    max-width: 75%;
    margin: 1rem;
    display: flex;
    flex-direction: column;
}

.eventDetails img {
    object-fit: cover;
    width: 100%;
    max-height: 25vh;

}

.eventContent {
    display: flex;
    flex-direction: row;
}

.eventContent .eventInformation {
    flex-grow: 1;
    margin-right: 5rem;
}

.eventContent>.image-gallery {
    columns: 2;
    column-gap: var(--gap);
    margin: 1rem 0;
    min-width: 20%;
}

.loadingData,
.loadingData * {
    font-style: italic;
    filter: opacity(.75);
}

header {
    position: sticky;
    top: 0px;
    background: rgba(255, 255, 255, 0.80);
    z-index: 2;
```

```css
}

header a {
    text-decoration: none;
    color: #000;
}

header,
nav {
    display: flex;
    justify-content: center;
    width: 100%;
}

header>nav {
    margin: 5rem 0px;

    width: 100%;
}

header>nav>ul {
    display: flex;
    justify-content: space-evenly;
    max-width: 75%;
    width: 100%;
    padding: 0px;
    margin: 0px;
}

form {
    display: flex;
    flex-direction: column;
}

form>* {
    padding: .5rem;
    margin: .25rem 0px;
    border-radius: 0px;
    border-width: 1px;
    box-shadow: 0px 0px 0px;
}

header>nav>ul>li {
    list-style-type: none;
}
```

```css
.location {
    width: 75%;
}

.location input::-webkit-outer-spin-button,
.location input::-webkit-inner-spin-button {
    -webkit-appearance: none;
    margin: 0;
}

.location input {
    -moz-appearance: textfield;
    width: fit-content;
    border-width: 0px;
    font-weight: bolder;
    text-align: center;
}

.location> :focus-visible {
    outline: -webkit-focus-ring-color auto 0px;

}

form *:focus-visible {
    outline: -webkit-focus-ring-color auto 0px;
    background-color: rgba(0, 0, 0, 0.2);
}

.comments ul,
.comments ul li {
    margin: 0px;
    padding: 0px;
}

.comments ul li {
    list-style: none;
    padding: 1rem;
}

.comments ul>li:nth-child(2n) {
    background-color: rgba(0, 0, 0, 0.1);
}

@media screen and (max-width: 1200px) {
```

```css
    .image-gallery {
        columns: 2 !important;
    }
}

@media screen and (max-width: 768px) {
    .image-gallery {
        columns: 1 !important;
    }

    .eventContent {
        flex-direction: column-reverse;
    }

    .eventContent .image-gallery {
        columns: 10 !important;

    }

    .eventContent .eventInformation {
        margin-right: 0rem;
    }

    .contact {
        max-width: 75%;
    }
}
```

Assets/scriptHome.js

```javascript
// Get the user's timezone
var userTimezone = Intl.DateTimeFormat().resolvedOptions().timeZone;
function createMasonry(data) {
    document.querySelector(".image-gallery").innerHTML = ''
    data._embedded.events.forEach(event => {
        imageCard = document.createElement("a");
        imageCard.setAttribute("class", "image-card")
        imageCard.setAttribute("id", event.id)
        imageCard.setAttribute("href", "event.php?id=" + event.id)
        image = document.createElement("img");
        image.setAttribute("loading", "lazy")
        image.setAttribute("src", event.images[event.images.length - 1].url)
        description = document.createElement("div")
        description.setAttribute("class", "image-description")
```

```javascript
            nameWrapper = document.createElement("div")
            nameWrapper.setAttribute("class", "image-name")
            p = document.createElement("p")
            p.innerText = event.name
            venue = document.createElement("div")
            venue.setAttribute("class", "image-venue")
            span = document.createElement("span")
            span.innerText = event._embedded.venues[0].name
            imageCard.append(image)
            imageCard.append(description)
            nameWrapper.append(p)
            description.append(nameWrapper)
            venue.append(span)
            description.append(venue)
            document.querySelector(".image-gallery").append(imageCard)
    });
}
function createAddress(data, size) {
    data = data.address
    if (size > 5) {
        document.querySelector(".location").innerHTML = "<span><b>" + data.suburb
+ ", " + data.town + ", " + data.province + " yakın çevresi için tüm
etkinlikler.</b></span>"

    }
    else {
        document.querySelector(".location").innerHTML = "<span><b>" + data.suburb
+ ", " + data.town + ", " + data.province + " yakın çevresi için öne çıkan <input
id='eventCount' type='number' min='3' max='5' value='" + size + "'>
etkinlik.</b></span>"

    }
    document.getElementById('eventCount').addEventListener("change", (event) => {
        navigatorFunc(process, event.target.value)
    })

}
function insertDom(options, data) {
    if (options.process == "featuredEvents" || options.process == "getEvents") {
        createMasonry(data);
    }
    else if (options.process == "getAddress") {
        console.log(options.eventSize)
        createAddress(data, options.eventSize)
    }
```

```javascript
}
function sendWarning() {
    document.querySelector(".location").innerHTML = "<span><b>Yakın çevre
etkinlik aracısını kullanabilmek için konum izni vermeniz
gerekmektedir.</b></span>"
}
// Function to send data to the server
async function sendData(options) {
    fetch('data.php', {
        method: 'POST',
        headers: {
            'Content-Type': 'application/json',
        },
        body: JSON.stringify(options),
    })
        .then((response) => {
            response.json().then((data) => {
                insertDom(options, data)
            })
                ;
        }).catch((error) => console.error('Error:', error))

}
// Attempt to get the user's current position
if (navigator.geolocation) {
    size = 3
    if (process == "featuredEvents") {
        size = 3
    }
    if (process == "getEvents") {
        size = 100
    }

    navigatorFunc(process, size)
} else {
    console.error('Geolocation is not supported by this browser.');
    // Optionally, inform the server that geolocation is not supported
    // sendData(userTimezone, 'Not Supported', 'Not Supported');
}
function navigatorFunc(process, size) {
    navigator.geolocation.getCurrentPosition(function (position) {
        // On successful location access, send the timezone along with
geolocation data
```

```
        sendData({ process: process, timezone: userTimezone, latitude:
position.coords.latitude, longitude: position.coords.longitude, eventSize: size
});
        if (process == "featuredEvents" || process == "getEvents") {
            sendData({ process: "getAddress", latitude: position.coords.latitude,
longitude: position.coords.longitude, eventSize: size });
        }
    }, function (error) {
        // Handle error or denial of geolocation permission here if necessary
        console.error('Geolocation permission denied or error occurred:', error);
        // Optionally, inform the server that location permission was denied
        // sendData(userTimezone, 'Permission Denied', 'Permission Denied');
        if (process == "featuredEvents" || process == "getEvents") {
            sendWarning()
        }
    });
}
```

Assets/scriptEvent.js

```
// Get the user's timezone
var userTimezone = Intl.DateTimeFormat().resolvedOptions().timeZone;
function createMasonry(data) {
    console.log(data)
    if (data.dates.status.code == "onsale") {
        ticketStatus = "Satışta!"
    }
    else {
        ticketStatus = "Satışta Değil!"
    }
    var category;
    if (data.classifications[0].segment.name !== undefined) {
        category = data.classifications[0].segment.name
    }
    else {
        category = '';
    }
    document.querySelector(".eventDetails").setAttribute("class", "eventDetails")
    header = document.querySelector(".eventDetails img")
    header.setAttribute("src", data.images[data.images.length - 1].url)
    document.querySelector(".eventInformation h1").innerText = data.name
    document.querySelector(".eventInformation >:nth-child(2)").innerText =
data.dates.start.localDate + " - " + data.dates.start.localTime + ' | ' +
data._embedded.venues[0].name
    document.querySelector(".eventInformation >:nth-child(3)").innerText =
category
```

```javascript
    document.querySelector(".eventInformation >:nth-child(4)").innerText =
ticketStatus
    document.querySelector(".eventInformation >:nth-child(6)").innerHTML = "<a
href='" + data.url + "' target='_blank'>Bilet almak için tıklayın.</a>"
    data.images.forEach(imageItem => {
        imageCard = document.createElement("div");
        imageCard.setAttribute("class", "image-card")
        image = document.createElement("img");
        image.setAttribute("src", imageItem.url)
        imageCard.append(image)
        document.querySelector(".image-gallery").append(imageCard)
    });
}
// Function to send data to the server
function sendData(options) {
    fetch('data.php', {
        method: 'POST',
        headers: {
            'Content-Type': 'application/json',
        },
        body: JSON.stringify(options),
    })
        .then(response => response.json())
        .then(data => createMasonry(data))
        .catch((error) => console.error('Error:', error));
}

// Attempt to get the user's current position
if (eventID) {
    sendData({ process: "getEventDetails", id: eventID });
}
```

Assets/normalize.js

This file is the standard normalize.css that can be found in here: https://necolas.github.io/normalize.css/

Live Demo

This project can be seen in here: https://events.cakirefekan.com/

Project Files

Files of this project can be seen in here: https://github.com/CakirEfekan/Cultural-Activities-Website