````
# islamic_prayer_times NPM

The islamic prayer times NPM package
simplifies access to Islamic prayer
times data for developers. This package
extends the functionality of the Prayer
Times API repository to provide an
easy-to-use interface for retrieving
prayer times information.

## Installation

You can install the Sacred Texts NPM
package via npm:

```bash
npm i @mosqueicu/islamic_prayer_times
```
````

importing the package

Import the package in your code:

```
const islamic_prayer_times = require('@mosqueicu/islamic_prayer_times');
```

Functions

`getPrayerTimes` Function

Description

The `getPrayerTimes` function is a JavaScript function for fetching daily prayer times based on various parameters such as date, location coordinates, calculation method, and other optional settings. It utilizes the Aladhan API to retrieve accurate prayer times.

Usage

To use this function, you need to import it into your JavaScript/TypeScript project. Here's how you can import it:

```
import { getPrayerTimes } from '@mosqueicu/islamic_prayer_times';
```

Function Signature

```
async function getPrayerTimes(options): Promise<any>
```

Parameters

- `options` (required): An object of type `PrayerTimeOptions` containing the following properties:
  - `date` (string, required): The date for which you want to fetch prayer times in the format 'DD-MM-YYYY'.
  - `latitude` (number, required): The latitude of the location for which you want to fetch prayer times.
  - `longitude` (number, required): The longitude of the location for which you want to fetch prayer times.
  - `method` (number, optional): The calculation method for prayer times. Defaults to `null`.
  - `shafaq` (number, optional): The shafaq method for prayer times. Defaults to `null`.
  - `tune` (number, optional): The tune method for prayer times. Defaults to `null`.
  - `school` (number, optional): The school of jurisprudence for prayer times. Defaults to `null`.
  - `midnightMode` (number, optional): The midnight mode for prayer times. Defaults to `null`.
  - `timezonestring` (string, optional): The time zone string for the location. Defaults to `null`.

- `latitudeAdjustmentMethod` (string, optional): The latitude adjustment method for prayer times. Defaults to `null`.
- `adjustment` (number, optional): The adjustment for prayer times. Defaults to `null`.
- `iso8601` (boolean, optional): Whether to return prayer times in ISO8601 format. Defaults to `null`.

Returns

- A Promise that resolves to an object containing the prayer times data or rejects with an error if the request fails.

Example

Here's an example of how to use the `getPrayerTimes` function:

```
const options: PrayerTimeOptions = {
    date: '17-07-2007',
    latitude: 51.508515,
    longitude: -0.1254872,
    method: 2, // Calculation method (optional)
};

getPrayerTimes(options)
    .then((data) => {
        console.log(data); // Print the retrieved prayer times data
    })
    .catch((error) => {
        console.error(error); // Handle any errors that occur during the
request
    });
```

In this example, you specify the date and location coordinates in the `options` object and, if needed, additional parameters for calculation methods. The function then makes an API request to fetch the daily prayer times and returns the data.

Error Handling

The function handles errors by rejecting the Promise if there is a failure in fetching the data. You can catch these errors and handle them as needed.

Error Object

The error object thrown by the function will include an error message indicating the reason for the failure.

```
Error: Failed to fetch prayer times: [error message]
```

API Endpoint

The function uses the Aladhan API to retrieve prayer times data. The API endpoint is constructed based on the provided date.

- API Endpoint: `http://api.aladhan.com/v1/timings/[date]`

Please note that you need an internet connection to access the API.

License

This function is provided under [your project's license].

Credits

This function was developed by MosqueICU. If you have any questions or need support, please contact us on https://discord.gg/WtKVyeeDrZ or visit our website at https://mosque.icu.

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