Instructions for Setting Up:

1. Install the Nager.Date Library: To check for public holidays, install the library using the following command in your package manager:

bash

Code kopieren

Install-Package Nager.Date

2. **Inputs:**

   o hourlyRate: The hourly wage.

   o date: The date for which you want to calculate the holiday surcharge.

3. **Calculation:**

   o The surcharge is calculated as:

csharp

Code kopieren

decimal holidaySurcharge = hourlyRate * 1.0m; // 100% of the hourly rate

decimal total = hourlyRate + holidaySurcharge;

4. **Output:**

   o If the date is a public holiday, the response will include:

   ▪ HourlyRate: The base hourly wage.

   ▪ HolidaySurcharge: The calculated holiday surcharge (100% of hourly rate).

   ▪ Total: The total pay for the hour.

   ▪ Date: The provided date.

   o If the date is not a public holiday, the response will return a message indicating this.