# Angular Assignment: Weekly Timesheet Grid using PrimeNG

## Objective

Create a weekly timesheet view using Angular and PrimeNG. Users should be able to view and enter hours worked per task for each day of a selected week. Additional features include task management, total hours calculation, and submission tracking.

## Grid Layout Overview

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Project / Task | Description | Billability | Mon | Tue | Wed | Thu | Fri | Sat | Sun |

## Assignment Tasks

1. 1. Setup Environment

* Install required dependencies:

npm install primeng primeicons

Import necessary PrimeNG modules in your Angular module file.

1. 2. Model Structure

Create interfaces for TaskEntry and Project models.

1. 3. Features to Implement

Use p-table for the weekly view, expandable rows for tasks, input fields for hours, and toggle buttons for billability.

1. 4. Add Task

Implement the ability to dynamically add new tasks under each project.

1. 5. Submit

Display total logged hours and allow submission of the timesheet.

## Bonus Features

- Global search/filter for tasks  
- Store entries in localStorage  
- Week navigation using a p-calendar or buttons

## Sample HTML Template

A basic example of how your HTML can be structured using PrimeNG components. See source code for details.

## Component Logic (TypeScript)

Contains logic for calculating total logged hours, adding tasks, and handling submission.

## Reference Screenshot

