

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	Description	Billability	Mon	Tue	Wed	Thu	Fri	Sat	Sun
/ Task									

Assignment Tasks

1. 1. Setup Environment

- Install required dependencies:

```
npm install primeng primeicons
```

Import necessary PrimeNG modules in your Angular module file.

2. 2. Model Structure

Create interfaces for TaskEntry and Project models.

3. 3. Features to Implement

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

4. 4. Add Task

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

5. 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

The screenshot displays the 'inTime Pro' web application interface. The browser address bar shows the URL 'app.intimepro.io/app/main/time-sheet-new/time-sheet-management-new'. The application header includes the 'inTime' logo, a 'Copilot' button, and a user profile 'Deepen Kakde'. A sidebar on the left contains navigation links: Dashboard, Projects, Leaves, Activities, Time Tracking, and Timesheet (which is highlighted).

The main content area is titled 'Timesheet | My Timesheet - Week'. It features a tabbed interface with 'My Timesheet' (active) and 'Submitted Timesheet'. Below the tabs, there are filters for 'Month', 'Week', and 'Day', with the date range 'Apr 14, 2025 - Apr 20, 2025' displayed. A summary bar at the top right shows '16:00 hrs Logged Hours' and '16:00 hrs Submitted Hours', along with a 'Submit' button.

The core of the interface is a table with columns for 'Projects / Tasks', 'Description (Apr 17)', 'Billability (Apr 17)', and days of the week from 'Mon Apr 14' to 'Sun Apr 20'. The table lists several tasks, including 'UI/UX Development' (with a toggle switch), 'FOI Status Boa...', 'in time pro', 'Raaghu', 'SIRVA AMC', and 'Training Engag...'. Each task row shows time entries for each day. A 'Feedback' button is located on the right side of the table.

The Windows taskbar at the bottom shows the search bar and various application icons. The system clock indicates the time is 10:19 on 17-04-2025.