Danny,

With the employee table, please enter the information below for each employee. You don’t have to use the person's real name if privacy is a concern, but please make sure all other information is accurate. For example, if you were putting in Lynn’s information, you could change her name, but enter all the other information as if it was her (Max Hours: 40, Main Shift 12, Possible Shifts: 11, Work Days: All). This way I won’t know all of the information about any specific person, but I will have all of the necessary information. If privacy isn’t a concern then just enter their real name.

In max hours, please put the actual max hours that they are willing to work. For example, since I only work 2 days per week with school, my Max Hours Per Week is 16. The shift that the person usually does should be put in the Main Shift box (I work the 12, therefore I’ve entered 12). Possible Shifts works the same way, only here please list the possible shifts (which are not the main shift) for that person. I know I’ve worked the 7 o’clock a couple of times, but if it isn’t a shift the person would be willing to work regularly, don’t enter it here. If the person only has a Main Shift, leave Possible Shifts blank.

In Work Days, list all the days that the person is available to work. Currently, I am able to work Fridays, Saturdays, Sundays, and Mondays, so I’ve listed all of those days. If a person would be available to work any day of the week (such as Lynn) feel free to simply put all. If a person only works Weekdays, feel free to just put weekdays, or if a person only works Weekends, feel free to just put Weekends.

Employee: (name: String, maxHours: int, mainShift: int, possibleShifts: int[], workDays: string[], daysRequestedOff: int[])

Employee Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Max Hours Per Week | Main Shift | Possible Shifts | Work Days |
| Sam DeNucci | 16 | 12 | 11 | Sunday, Monday, Friday, Saturday |
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With the day table, please list the required shifts for that day, and the total number of shifts needed (I believe I’ve already done this with Sunday and Saturday, but if I’m missing any please add them). Also, please list all of the shifts, even if they are duplicates. For example, on Sunday and Saturday, I listed two 6’s because there are two 6 o’clock shifts that need to be filled.

Day: (name: string, requiredShifts: int[], totalNumberOfShifts: int)

Day Table

|  |  |  |
| --- | --- | --- |
| Name | Required Shifts | Total Number of Shifts |
| Sunday | 6, 6, 11, 12 | 4 |
| Monday |  |  |
| Tuesday |  |  |
| Wednesday |  |  |
| Thursday |  |  |
| Friday |  |  |
| Saturday | 6, 6, 11, 12 | 4 |

Thank you for taking the time to do this and for helping me with this project! I may have more questions / need more information as time goes on, but this should be a good start. If you have any questions for me, or if something isn’t clear, please feel free to call me.

Sincerely,

Sam DeNucci