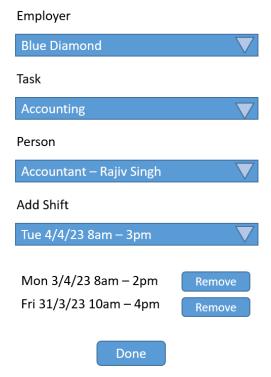# Aqius Roster

Main Use Case

In the Roster application the allocation of a person to a task can be regarded as the main use case. It is assumed the persons we can choose from and their capabilities are already on the system (added in a different use case). The rules that affect a person are also on the system. It is assumed each person has a rule that determines the maximum number of hours they can work per week.

We also assume that the shifts a business wants to fill have been added. This way, our main interface is:

Employer

Blue Diamond ▽

Task

Accounting ▽

Person

Accountant – Rajiv Singh ▽

Add Shift

Tue 4/4/23 8am – 3pm ▽

Mon 3/4/23 8am – 2pm   [Remove]
Fri 31/3/23 10am – 4pm   [Remove]

[Done]

The person who allocates persons to jobs first chooses one of the employers who have jobs to do. The drop-down only shows employers with jobs that have shifts to fill. The Task drop-down is adjusted to the choice of employer and shows the tasks an employer needs to fill.

The choice of task pre-selects the entries in the Person drop-down. A person can now be selected. This removes the shifts the person is not available for. The possible shifts can now be selected in the Add Shift drop-down. They appear as a listing under the Add Shift drop-down with a 'remove' button next to them. The listed entries will be stored when the 'Done' button is pressed.

If the shifts selected exceed the weekly maximum working hours of the person, a warning is given and the shifts are prevented from being stored. This means the 'Done' button should not work when the weekly hours are exceeded for the person.

Note that when calculating the number of hours of a person, you have to consider the shifts the person may have been allocated to already (they may be for another company).