

Scenario Walkthrough

According to our specification, we want users to be able to share schedules with each other, viewing each other's availability, so the scenario we will look at will be “a student shares their schedule with someone else to see when they're both available”. In order to do this, a user of our program must find another user to send their schedule to, at which point the schedules should be compared to help the user determine times of mutual availability, that is, times that are free of events for both schedules, and shown to the user.

According to our CRC model, the CalendarPage class, being the user interface, receives from the user the name of the person that the user would like to share a schedule with. Then, ScheduleManager is responsible for taking that input and giving it to ScheduleComparer. ScheduleComparer in turn relies on the Person class, which is supposed to send a schedule from one person to another, and then ScheduleComparer actually compares the two schedules to determine times of mutual availability. Next, the CalendarPage class is able to display as output a schedule stating when both users are busy, from which they can determine their mutual availability.