

Exercise 6.6

It should be good enough to check just a few of the possibilities. It would be wise to check the boundaries as well as at least one non-boundary value. Examples of times to test: 9, 13, 17

Exercise 6.7

Yes, it is possible to use the same appointment object at different times within a single day.

The tests are not as legitimate anymore, because we can no longer see the difference between the objects (because there is none) and therefore we can't be sure that the appointments are in the correct time slots.

It would make sense to use the same appointment object if you have a recurring appointment. For instance you might have a daily meeting with someone.

Exercise 6.8

Several of the tests will fail.

makeAppointment only uses the starting time of an appointment to check if the slot is free, and it can therefore overwrite other appointments or exceed the boundary (which results in an exception). For instance, try booking a two-hour appointment at 1700 or one at 0900 when the 1000 time is already booked.

Exercise 6.9

	Positive	Negative
6.1	X	
6.2	X	
6.3	X	
6.4		X
6.5	X	
6.6		X

Other negative tests:

- test how the application handles a 'null' object as an appointment.
- test zero and negative values for duration and time.

A positive test could be to test that appointments longer than one hour have the correct duration after being inserted.

Exercise 6.13

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Jim Melton, Andrew Eisenberg



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