

Worksheet 3 – Appointment Book in JavaFX

Create a simple appointment book system in JavaFX. Exactly what it looks like is up to you, but it should allow for the following:

1. The selection of a free time slot to book for an appointment.
 - You can keep things simple as appropriate. For instance, you can limit the system to offering just eight one hour slots per day (9:00, 10:00 etc. to 16:00) Monday to Friday for just one week (or similar).
 - The manner of how you select the time slot is up to you (point-and-click, drop-down choice box, etc.)
2. The entry of a title/note/description for the appointment (e.g. Dentist).
3. The editing/deletion of a booking/entry.
4. Other facilities you think useful in such an appointment booking/management system.

This worksheet is deliberately open-ended, and it is up to you what your system looks like and what it eventually does. However, you should try and incorporate a range of JavaFX user interface components into your system in order to gain some familiarity with them and with event-driven programming in general. For instance, you could use buttons, menus, choice boxes, check boxes, tabs, etc. as part of your user interface design. You should also style the user interface with CSS to get it nice and polished (and perhaps give it an overall theme e.g. metallic, paper, stone, etc.).

Note that a small example of a very simple appointment book system is provided in the JavaFX introductory material on Moodle (p15-17 of User Interface Components), but that is just an example using a limited number of components. Try and build something different using additional and/or different components.

Note:

The objective of this worksheet is to ensure that you are familiar with creating event-driven graphical user interfaces in JavaFX using a range of components. The CA in this module will require you to use JavaFX for your GUIs, so make sure that you are sufficiently familiar with it to this end. This worksheet does not have to be submitted, and it does not count towards your final mark. It should ideally be completed in the Week 3 lab sessions.