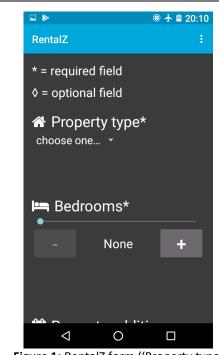
# **COMP1661 Logbook Upload Template**

#### 1. Basic Information

1.1	Student name	Myles Findlay
1.2	Who did you work with? Note that for logbook exercises you are allowed to work with one other person as long as you give their name and login id and both contribute	Name: Login id:
	to the work.	
1.3	Which Exercise is this? Tick as appropriate.	1 - Create a PhoneGap App utilizing the Notification API 2 - Create a PhoneGap data entry screen RentalZ App 3 - Create an SQLite database for RentalZ App 4 - Create Android data entry screen for RentalZ App
1.4	How well did you complete the exercise? Tick as appropriate.	<ul> <li>I tried but couldn't complete it</li> <li>I did it but I feel I should have done better</li> <li>I did everything that was asked</li> <li>I did more than was asked for</li> </ul>
1.5	Briefly explain your answer to question 1.4 e.g. what you could have done better?	n/a

#### 2. Exercise answer

# 2.1 Screenshots demonstrating what you achieved



**Figure 1:** RentalZ form ('Property type' and 'Bedrooms' fields shown)

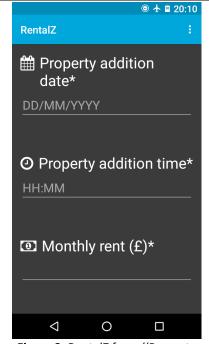


Figure 2: RentalZ form ('Property addition date', 'Property addition time' and 'Monthly rent' fields shown)

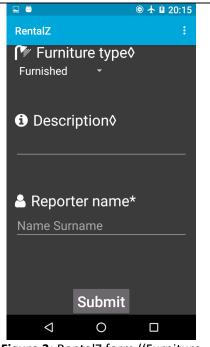
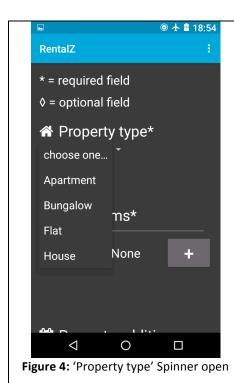


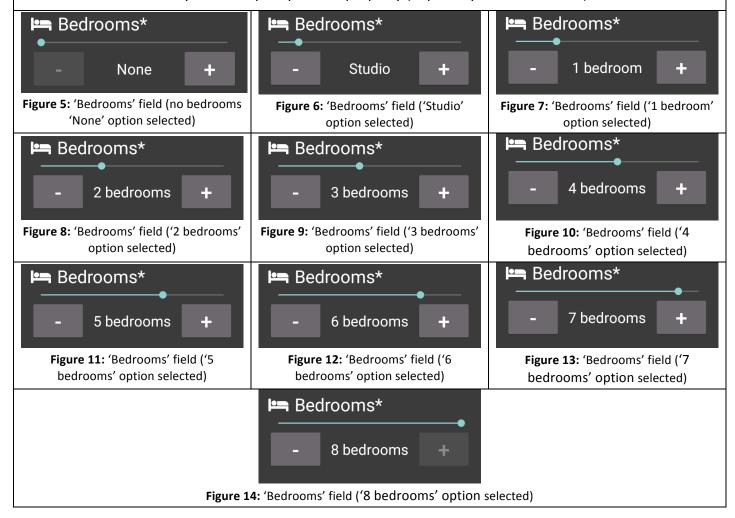
Figure 3: RentalZ form ('Furniture type', 'Description' and 'Reporter name' fields shown)

This is the first screen the user will see when the app is launched. The user will be shown a group of options that can be tweaked, incl. allowing the user to add a property, and showing all data with the database.



When the user clicks the Spinner widget for 'Property type', they will be presented with a pop-up list of different kinds of properties to choose from (one must be chosen).

In order to select the desired amount of 'Bedrooms', the user will be presented with a progress bar widget (which the user can adjust by dragging the circle) along with clickable 'plus' and 'minus' buttons (which increment or decrement the bedroom quantity respectively by 1). Either can be done in relation to the amount of bedrooms they want to specify for the property (a quantity must be chosen).



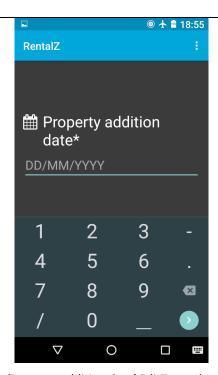
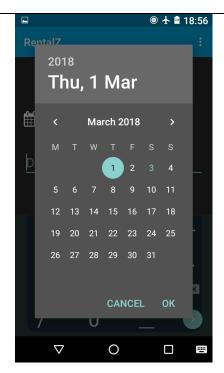


Figure 15: 'Property addition date' EditText selected - 'date' inputType keyboard shown



**Figure 16:** DatePicker widget - current date of device automatically selected

When the user clicks the input field for 'Property addition date', they will be presented with a date-related keyboard, allowing them to type in a date for the property. Alternatively, a second click of that input field will open a DatePicker widget (a date must be chosen).

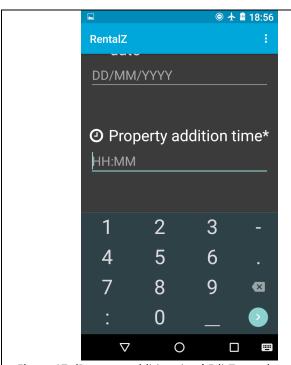


Figure 17: 'Property addition time' EditText selected - 'time' inputType keyboard shown



Figure 18: DatePicker widget - current date of device automatically selected

When the user clicks the input field for 'Property addition time', they will be presented with a time-related keyboard, allowing them to type in a time for the property. Alternatively, a second click of that input field will open a TimePicker widget (a time must be chosen).

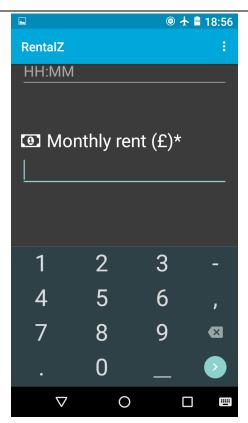


Figure 19: 'Monthly rent' input field selected with 'number' type keyboard open

When the user clicks the input field for 'Monthly rent', they will be presented with a numeric keypad, allowing them to choose a monetary value for the property (a numeric value must be specified).

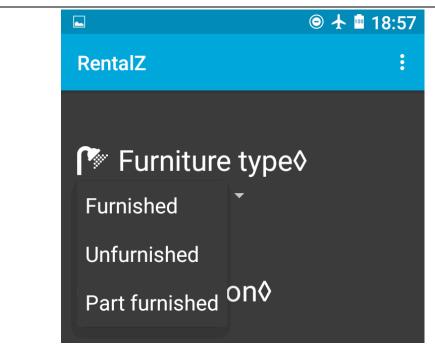


Figure 20: 'Furniture type' select list

When the user clicks the Spinner widget for 'Furniture type', they will be presented with a list of different kinds of furnishing to choose from (this is optional).

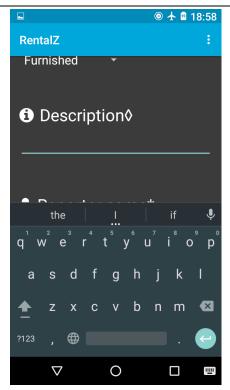


Figure 21: 'Description' input field selected

When the user clicks the input field for 'Description', they will be presented with a QWERTY keyboard, which will allow them add a description of the property (this is optional).

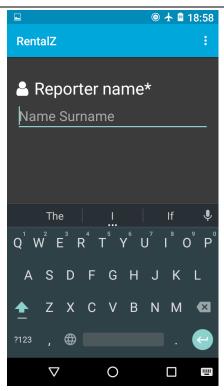
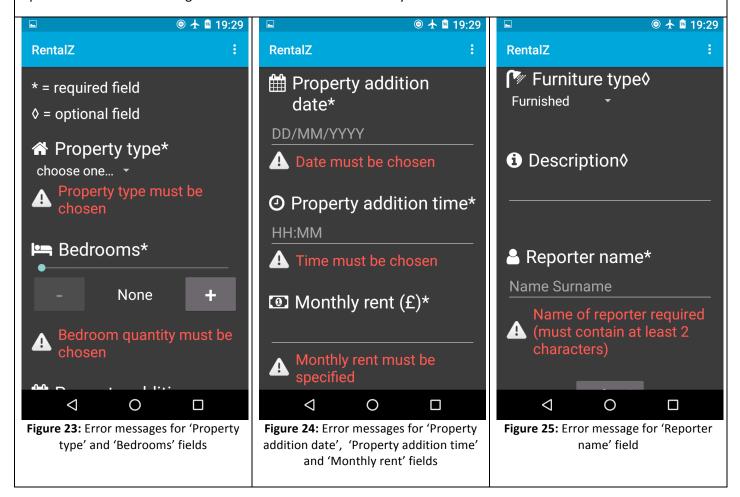


Figure 22: 'Reporter Name' input field selected with 'text' type keyboard open

When the user clicks the input field for 'Reporter Name', they will be presented with a QWERTY keyboard. In addition, this input field contains a placeholder (Name Surname) informing the user what kind of information needs to be added to that field. I.e. a reporter's name and surname (this is required).

When the user clicks the 'Submit' button, the code connected to this button will be executed to check whether or not the required fields meet the specified criteria. If any of them don't, an error message will be displayed to inform the user what must be done in order to rectify the error. NB: The 'Furniture type' and 'Description' fields are optional hence error messages for these fields are not necessary.



### 2.2 Code that you wrote

File name: layout/activity main.xml

```
</TableRow>
```

```
android:inputType="time" /
```

## File name: DatePickerFragment.java

```
public class DatePickerFragment extends DialogFragment {
    @Override
    public Dialog onCreateDialog(Bundle savedInstanceState) {
        Calendar c = Calendar.getInstance();
        int year = c.get(Calendar.YEAR);
        int month = c.get(Calendar.MONTH);
        int day = c.get(Calendar.DAY_OF_MONTH);

        return new DatePickerDialog(getActivity(), (DatePickerDialog.OnDateSetListener)
        getActivity(), year, month, day);
    }
}
```

File name: TimePickerFragment.java

```
TimePickerFragment extends DialogFragment {
```

File name: FontManager.java

File name: MainActivity.java

```
color = Color.HSVToColor(hsv);
```

```
tvimqviewPropertyAdditionDate.setTypeface(iconFont); //set typeface of textview to
```