Link android code: https://drive.google.com/file/d/1WTDjjYIYQuho1Mn_Ii-4HxYGo6ZdqwBK/view?usp=sharing

Link ionic code:
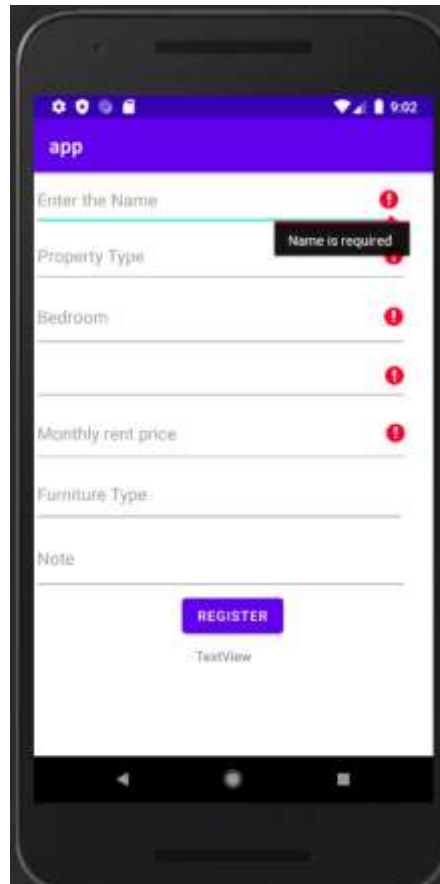
https://drive.google.com/file/d/17gZpPO9RdAgF7Ib4IClbiztyJlmcrqgo/view?usp=sharing
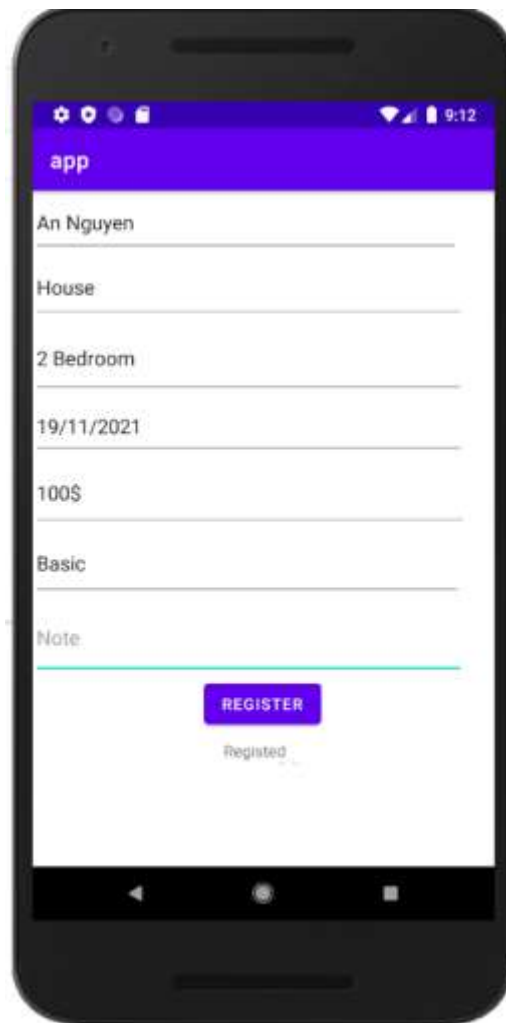
COMP1786 Logbook Upload Template

1.1	Student name	**Name: Nguyen Hoanh An** **Student ID: 001201601**
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 to the work.	**I work exercises myself**
1.3	Which Exercise is this? Tick as appropriate.	The exercise I choose is create an android data entry screen that displays a form that allows a user to enter all the fields specified in the coursework. The app should perform some validation of the data input and display an error message to the user if the data is invalid.
1.4	How well did you complete the exercise? Tick as appropriate.	• I tried but couldn't complete it ☐ • I did it but I feel I should have done better ☐ • I did everything that was asked ☒ • I did more than was asked for ☐
1.5	Briefly explain your answer to question 1.4	I think this exercise is not hard to me, I was finish it an easily way and full function

2. Exercise answer

2.1 Screen shots demonstrating what you achieved

This screen shot shows the input interface for the new virtual android, most of the information that needs to be entered is not blank, the picture above is when you have not entered any information in the form but clicked "Register", the system will give an error in the required areas. As for the places where there is no error, those are the areas that are allowed to be left blank.

This screenshot is the description when I have filled in the necessary form and click "Register", the system will say "Registed" which means you have successfully registered

2.2 Code that you wrote

```
package com.example.app;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    public void Register(View view) {
        EditText txtName = findViewById(R.id.txtName);
        EditText txtProperty = findViewById(R.id.txtProperty);
```

```java
        EditText txtBedroom = findViewById(R.id.txtBedroom);
        EditText txtMonthlyPrice = findViewById(R.id.txtMonthlyPrice);
        EditText txtFurniture = findViewById(R.id.txtFurniture);
        EditText txtNote = findViewById(R.id.txtNote);
        EditText txtDate = findViewById(R.id.txtDate);


        String name = txtName.getText().toString();
        String property = txtProperty.getText().toString();
        String bedroom = txtBedroom.getText().toString();
        String date = txtDate.getText().toString();
        String price = txtMonthlyPrice.getText().toString();
        String furniture = txtFurniture.getText().toString();
        String note = txtNote.getText().toString();

        TextView myLabel = findViewById(R.id.textView2);

        boolean isError = false;
        if (name.length() == 0) {
            txtName.setError("Name is required ");
            isError = true;
        }
        if (property.length() == 0) {
            txtProperty.setError("Property type is required");
            isError = true;
        }
        if (bedroom.length() == 0) {
            txtBedroom.setError("Bedroom is required");
            isError = true;
        }
        if (date.length() == 0) {
            txtDate.setError("Date is required");
            isError = true;
        }
        if (price.length() == 0) {
            txtMonthlyPrice.setError("Monthly is required");
            isError = true;
        }
        if (!isError) {
            myLabel.setText(" Registed successfull");
        }
    }
}
```