

### **Main\_Activity.java**

```
package com.example.hotel;

import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.database.Cursor;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    DatabaseHelper user;
    Button login, register;
    TextView phone, pass;
    Boolean check=false;
    String username;

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

        login= (Button) findViewById(R.id.login_b);
        register= (Button) findViewById(R.id.register_b);
        phone= (TextView) findViewById(R.id.phone_t);
        pass= (TextView) findViewById(R.id.pass_t);

        user= new DatabaseHelper(this);
```

```

login.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        if(checkData()) {
            Toast.makeText(getApplicationContext(), "Login successful",
Toast.LENGTH_LONG).show();

            Intent i = new Intent(MainActivity.this, MainPage.class);
            Bundle bundle = new Bundle();
            bundle.putString("username", username );
            i.putExtras(bundle);
            startActivity(i);
        }
        else{
            Toast.makeText(getApplicationContext(), "Invalid",
Toast.LENGTH_LONG).show();
        }
    }
});

```

```

register.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent j= new Intent(MainActivity.this, Register.class);
        startActivity(j);
    }
});

```

```

}

public boolean checkData(){
Cursor res = user.getAllData();

StringBuffer buffer = new StringBuffer();
while (res.moveToNext()) {

```

```

        if(res.getString(0).equals(phone.getText().toString()) &&
res.getString(2).equals(pass.getText().toString()))
        {
            username= res.getString(1);
            check= true;
            break;
        }
    }
    return check;
}
}

```

### **Booking.java**

```

package com.example.hotel;

import androidx.appcompat.app.AlertDialog;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.RadioButton;

import android.widget.TextView;

import android.widget.Toast;


public class Booking extends AppCompatActivity {

    TextView price_t;

    Integer price;

    Button confirm_b, back_b;

```

RadioButton online, offline;

@Override

protected void onCreate(Bundle savedInstanceState) {

    super.onCreate(savedInstanceState);

    setContentView(R.layout.activity\_booking);

    Bundle bundle = getIntent().getExtras();

    price= bundle.getInt("price");

    price\_t= (TextView) findViewById(R.id.price\_t);

    confirm\_b= (Button) findViewById(R.id.confirm\_b);

    back\_b= (Button) findViewById(R.id.back);

    online= (RadioButton) findViewById(R.id.radioButton);

    online.setEnabled(false);

    offline= (RadioButton) findViewById(R.id.radioButton2);

    price\_t.setText(String.valueOf(price)+ " INR");

    confirm\_b.setOnClickListener(new View.OnClickListener() {

        @Override

        public void onClick(View v) {

            if(offline.isChecked() || online.isChecked())

            {

                String message= "- CHECK-IN TIME IS 12PM\n- CHECK-OUT TIME IS 1PM\n- Enjoy your stay!!";

                showMessage(message);

            }

        else

```
        Toast.makeText(getApplicationContext(), "Add payment method",  
        Toast.LENGTH_SHORT).show();
```

```
    }
```

```
});
```

```
back_b.setOnClickListener(new View.OnClickListener() {
```

```
    @Override
```

```
    public void onClick(View v) {
```

```
        Intent intent= new Intent(Booking.this, MainPage.class);
```

```
        startActivity(intent);
```

```
    }
```

```
});
```

```
}
```

```
public void showMessage(String message) {
```

```
    AlertDialog.Builder builder = new AlertDialog.Builder(this);
```

```
    builder.setCancelable(true);
```

```
    builder.setTitle("BOOKING CONFIRMED");
```

```
    builder.setMessage(message);
```

```
    builder.show();
```

```
}
```

```
}
```

### **Book.java**

```
package com.example.hotel;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
import android.app.AlertDialog;
```

```
import android.app.DatePickerDialog;
```

```
import android.content.DialogInterface;
```

```
import android.content.Intent;
```

```
import android.os.Bundle;
```

```
import android.text.InputType;
```

```
import android.view.View;
```

```
import android.widget.DatePicker;
```

```
import android.widget.TextView;
```

```
import android.widget.Button;
```

```
import android.widget.EditText;
```

```
import android.widget.Toast;
```

```
import java.text.ParseException;
```

```
import java.text.SimpleDateFormat;
```

```
import java.util.Calendar;
```

```
import java.util.Date;
```

```
public class Book extends AppCompatActivity {
```

```
    Button rmin, rplus, amin, aplus, cmin, cplus, find;
```

```
    TextView room, adult, child;
```

```
    EditText date_in, date_out;
```

```
    Integer num_room=0, num_adult=0, num_child=0, total_room, num1, num2;
```

```
    String room_text, adult_text, child_text;
```

```
    DatePickerDialog datepicker1, datepicker2;
```

```
    Date date1,date2;
```

```
    @Override
```

```

protected void onCreate(Bundle savedInstanceState) {

    super.onCreate(savedInstanceState);

    setContentView(R.layout.activity_book);

    rmin = (Button) findViewById(R.id.rmin);

    rplus = (Button) findViewById(R.id.rplus);

    amin = (Button) findViewById(R.id.amin);

    cmin = (Button) findViewById(R.id.cmin);

    aplus = (Button) findViewById(R.id.aplus);

    cplus = (Button) findViewById(R.id.cplus);

    room = (TextView) findViewById(R.id.room);

    adult = (TextView) findViewById(R.id.adult);

    child= (TextView) findViewById(R.id.child);

    date_in = (EditText)findViewById(R.id.date_in_t);

    date_out = (EditText)findViewById(R.id.date_out_t);

    find= (Button) findViewById(R.id.find);

    SimpleDateFormat myFormat = new SimpleDateFormat("dd/MM/yyyy");

    rplus.setOnClickListener(new View.OnClickListener() {

        @Override

        public void onClick(View v) {

            num_room+= 1;

            room_text= Integer.toString(num_room);

            room.setText(room_text);

        }

    });

```

```

date_in.setInputType(InputType.TYPE_NULL);

date_in.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        final Calendar cldr = Calendar.getInstance();

        int day = cldr.get(Calendar.DAY_OF_MONTH);

        int month = cldr.get(Calendar.MONTH);

        int year = cldr.get(Calendar.YEAR);

        datepicker1 = new DatePickerDialog(Book.this,

            new DatePickerDialog.OnDateSetListener() {

                @Override

                public void onDateSet(DatePicker view, int year, int monthOfYear, int
dayOfMonth) {

                    String check_in= dayOfMonth + "/" + (monthOfYear + 1) + "/" + year;

                    try {

                        date1 = myFormat.parse(check_in);

                    } catch (ParseException e) {

                        e.printStackTrace();

                    }

                    date_in.setText(check_in);

                    num1= dayOfMonth;

                }

            }, year, month, day);

        datepicker1.show();

    }
}

```



```
});
```

```
date_out.setInputType(InputType.TYPE_NULL);
```

```
date_out.setOnClickListener(new View.OnClickListener() {
```

```
    @Override
```

```
    public void onClick(View v) {
```

```
        final Calendar cldr = Calendar.getInstance();
```

```
        int day = cldr.get(Calendar.DAY_OF_MONTH);
```

```
        int month = cldr.get(Calendar.MONTH);
```

```
        int year = cldr.get(Calendar.YEAR);
```

```
        datePicker2 = new DatePickerDialog(Book.this,
```

```
            new DatePickerDialog.OnDateSetListener() {
```

```
                @Override
```

```
                public void onDateSet(DatePicker view, int year, int monthOfYear, int  
dayOfMonth) {
```

```
                    String check_out= dayOfMonth + "/" + (monthOfYear + 1) + "/" + year;
```

```
                    try {
```

```
                        date2 = myFormat.parse(check_out);
```

```
                    } catch (ParseException e) {
```

```
                        e.printStackTrace();
```

```
                    }
```

```
                    date_out.setText(check_out);
```

```
                    num2= dayOfMonth;
```

```
                }
```

```
            }, year, month, day);
```

```
        datePicker2.show();  
    }  
});
```

```
aplus.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        num_adult+= 1;  
        adult_text= Integer.toString(num_adult);  
        adult.setText(adult_text);  
    }  
});
```

```
cplus.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        num_child+= 1;  
        child_text= Integer.toString(num_child);  
        child.setText(child_text);  
    }  
});
```

```
rmin.setOnClickListener(new View.OnClickListener() {  
    @Override
```

```

public void onClick(View v) {

    if(room.getText()!="0") {

        num_room -= 1;

        room_text = Integer.toString(num_room);

        room.setText(room_text);

    }

}

});

amin.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        if(adult_text!="0") {

            num_adult -= 1;

            adult_text = Integer.toString(num_adult);

            adult.setText(adult_text);

        }

    }

});

cmin.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        if(child_text!="0") {

            num_child -= 1;

            child_text = Integer.toString(num_child);

```

```

        child.setText(child_text);

    }

}

});

find.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        if(date1.after(date2)){

            Toast.makeText(getApplicationContext(),"Invalid
date",Toast.LENGTH_SHORT).show();

        }

        else

        {

            Integer total_day= num2- num1;

            total_room= Integer.parseInt(room.getText().toString());

            Intent myIntent = new Intent(Book.this, Select_room.class);

            Bundle bundle = new Bundle();

            bundle.putInt("total_day", total_day );

            bundle.putInt("total_room", total_room );

            myIntent.putExtras(bundle);

            startActivity(myIntent);

        }

    }

});

}

```

```
}
```

### **LauncherActivity.java**

```
package com.example.hotel;

import android.content.Intent;

import android.os.Bundle;

import android.os.Handler;

import android.view.WindowManager;

import androidx.appcompat.app.AppCompatActivity;

public class LauncherActivity extends AppCompatActivity {

    private static int SPLASH_SCREEN_TIME_OUT=2000;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        getWindow().setFlags(WindowManager.LayoutParams.FLAG_FULLSCREEN,

            WindowManager.LayoutParams.FLAG_FULLSCREEN);

        setContentView(R.layout.activity_launcher);

        new Handler().postDelayed(new Runnable() {

            @Override

            public void run() {

                Intent i=new Intent(LauncherActivity.this, MainActivity.class);

                startActivity(i);

                finish();

            }

        }, SPLASH_SCREEN_TIME_OUT);

    }

}
```

```

    }

    }, SPLASH_SCREEN_TIME_OUT);

}

}

```

### **Register.java**

```

package com.example.hotel;

import android.content.Intent;

import android.os.Bundle;

import android.os.Handler;

import android.view.WindowManager;

import androidx.appcompat.app.AppCompatActivity;

public class LauncherActivity extends AppCompatActivity {

    private static int SPLASH_SCREEN_TIME_OUT=2000;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        getWindow().setFlags(WindowManager.LayoutParams.FLAG_FULLSCREEN,

            WindowManager.LayoutParams.FLAG_FULLSCREEN);

        setContentView(R.layout.activity_launcher);

        new Handler().postDelayed(new Runnable() {

            @Override

            public void run() {

                Intent i=new Intent(LauncherActivity.this, MainActivity.class);

                startActivity(i);
            }
        }, SPLASH_SCREEN_TIME_OUT);
    }
}

```

```

        finish();

    }

    }, SPLASH_SCREEN_TIME_OUT);

}

}

```

### **Reserve.java**

```

package com.example.hotel;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;
import android.app.DatePickerDialog;
import android.os.Bundle;
import android.text.InputType;
import android.view.View;
import android.widget.AdapterView;
import android.widget.Button;
import android.widget.DatePicker;
import android.widget.EditText;
import android.widget.Spinner;
import android.widget.TextView;
import java.util.Calendar;

public class Reserve extends AppCompatActivity {

    EditText date;

    DatePickerDialog datepicker;

    Spinner occasionSpinner,numberSpinner,childrenSpinner;

    boolean isAllFieldsChecked = false;

    Button reserve;

    String reserve_date;

    @Override

```

```

protected void onCreate(Bundle savedInstanceState) {

    super.onCreate(savedInstanceState);

    setContentView(R.layout.activity_reserve);

    occasionSpinner =(Spinner) findViewById(R.id.occasionSpinner);

    String[] occasions = new String[]{"Select type of
occasion","Casual","Breakfast","Lunch","Dinner","Birthday", "Business-meet", "Family-
time","Date Night","Custom/Other"};

    ArrayAdapter<String> Adapter = new ArrayAdapter<>(this,
android.R.layout.simple_spinner_dropdown_item, occasions);

    occasionSpinner.setAdapter(Adapter);

    numberSpinner =(Spinner) findViewById(R.id.numberSpinner);

    String[] numbers = new String[]{"Select number","1","2","3","4", "5",
"6","7","8","9","10"};

    ArrayAdapter<String> Adapter1 = new ArrayAdapter<>(this,
android.R.layout.simple_spinner_dropdown_item, numbers);

    numberSpinner.setAdapter(Adapter1);

    childrenSpinner =(Spinner) findViewById(R.id.childrenSpinner);

    String[] children = new String[]{"Select number","1","2","3","4", "5",
"6","7","8","9","10"};

    ArrayAdapter<String> Adapter2 = new ArrayAdapter<>(this,
android.R.layout.simple_spinner_dropdown_item, children);

    childrenSpinner.setAdapter(Adapter2);


    reserve = (Button) findViewById(R.id.reserve);

    reserve.setOnClickListener(new View.OnClickListener() {

        public void onClick(View view) {

            isAllFieldsChecked= checkAllFields();

            if(isAllFieldsChecked){

                String message= "-Your reservation date is on " + reserve_date + "\n- Have a
Great Day!!";

                showMessage(message);

            }

        }
    });

```



```

    });

    date = (EditText)findViewById(R.id.date_text);
    date.setInputType(InputType.TYPE_NULL);
    date.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            final Calendar cldr = Calendar.getInstance();
            int day = cldr.get(Calendar.DAY_OF_MONTH);
            int month = cldr.get(Calendar.MONTH);
            int year = cldr.get(Calendar.YEAR);
            datepicker = new DatePickerDialog(Reserve.this,
                new DatePickerDialog.OnDateSetListener() {
                    @Override
                    public void onDateSet(DatePicker view, int year, int monthOfYear, int
dayOfMonth) {
                        reserve_date= dayOfMonth + "/" + (monthOfYear + 1) + "/" + year;
                        date.setText(reserve_date);
                    }
                }, year, month, day);
            datepicker.show();
        }
    });
}

public boolean checkAllFields(){
    if (occasionSpinner.getSelectedItemPosition() > 0) {
        String itemvalue = String.valueOf(occasionSpinner.getSelectedItem());
    }
    else {
        TextView errorTextview = (TextView) occasionSpinner.getSelectedView();
        errorTextview.setError("Please select the occasion");
        return false;
    }
}

```

```

    }

    if (numberSpinner.getSelectedItemPosition() > 0) {
        String itemvalue = String.valueOf(numberSpinner.getSelectedItem());
        return true;
    }
    else {
        TextView errorTextview = (TextView) numberSpinner.getSelectedView();
        errorTextview.setError("Please select the number");
        return false;
    }
}

```

```

public void showMessage(String message)
{
    AlertDialog.Builder builder = new AlertDialog.Builder(this);
    builder.setCancelable(true);
    builder.setTitle("RESERVATION CONFIRMED");
    builder.setMessage(message);
    builder.show();
}
}

```

### **Select room.java**

```

package com.example.hotel;

import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;

```

```
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;
import java.util.ArrayList;
import java.util.List;
public class Select_room extends AppCompatActivity {
    List<String> roomName= new ArrayList<>();
    List<String> roomPrice= new ArrayList<>();
    List<Integer> roomImage= new ArrayList<>();
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_select_room);
        Bundle bundle = getIntent().getExtras();
        Integer total_day= bundle.getInt("total_day");
        Integer total_room= bundle.getInt("total_room");
        roomName.add("Single Room");
        roomName.add("Double Room");
        roomName.add("King Room");
        roomName.add("Queen Room");
        roomName.add("Suite Room");
        roomName.add("Master Suite Room");
        roomPrice.add("5400");
        roomPrice.add("6400");
        roomPrice.add("7000");
        roomPrice.add("8500");
        roomPrice.add("9000");
        roomPrice.add("10000");
        roomImage.add(R.drawable.single);
        roomImage.add(R.drawable.doublee);
```

```

        roomImage.add(R.drawable.king);
        roomImage.add(R.drawable.queen);
        roomImage.add(R.drawable.suite);
        roomImage.add(R.drawable.master_suite);
        RecyclerView recyclerView= (RecyclerView) findViewById(R.id.recyclerRoom);
        recyclerView.setLayoutManager(new LinearLayoutManager(getApplicationContext()));

        SelectRoomAdapter adapter= new SelectRoomAdapter(roomName, roomPrice,
roomImage, total_day, total_room);
        recyclerView.setAdapter(adapter);
    }
}

```

### **SelectRoomAdaptor.java**

```

package com.example.hotel;
import android.content.Intent;
import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.ImageButton;
import android.widget.TextView;
import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;
import java.util.List;

public class SelectRoomAdapter extends
RecyclerView.Adapter<SelectRoomAdapter.RoomViewHolder> {
    List<String> roomName;
    List<String> roomPrice;
    List<Integer> roomImage;
    Integer total_day, total_room, price, rprice;
}

```

```

    public SelectRoomAdapter(List<String> roomName, List<String> roomPrice,
List<Integer> roomImage, Integer total_day, Integer total_room) {

        this.roomName = roomName;

        this.roomPrice = roomPrice;

        this.roomImage = roomImage;

        this.total_day = total_day;

        this.total_room = total_room;

    }

    @NonNull

    @Override

    public RoomViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int
viewType) {

        View itemView = LayoutInflater.from(parent.getContext())

            .inflate(R.layout.room_prototype, parent, false);

        return new RoomViewHolder(itemView);

    }

    @Override

    public void onBindViewHolder(@NonNull RoomViewHolder holder, int position) {

        holder.room_name.setText(roomName.get(position));

        holder.room_price.setText(roomPrice.get(position));

        holder.room_img.setImageResource(roomImage.get(position));

        holder.buttonBook.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View view) {

                price= total_day * total_room *
Integer.parseInt(holder.room_price.getText().toString());

                Intent intent= new Intent(view.getContext(), Booking.class);

                Bundle mybundle = new Bundle();

                mybundle.putInt("price", price);

                intent.putExtras(mybundle);

                view.getContext().startActivity(intent);

```

```

        }
    });
}
@Override
public int getItemCount() {
    return roomName.size();
}

public class RoomViewHolder extends RecyclerView.ViewHolder{
    TextView room_name, room_price;
    ImageButton room_img;
    Button buttonBook;
    public RoomViewHolder(@NonNull View itemView) {
        super(itemView);
        room_name= itemView.findViewById(R.id.textRoomName);
        room_price= itemView.findViewById(R.id.roomPrice);
        room_img= itemView.findViewById(R.id.imageRoom);
        buttonBook= itemView.findViewById(R.id.buttonBook);
    }
}
}

```