

## Databases:

The screenshot shows the Firebase Database console for project 'fireapp-51757'. The left sidebar contains navigation links for Overview, Analytics, Authentication, Database (selected), Storage, Hosting, Functions, Test Lab, Crash Reporting, and Performance. The main area displays the database structure with two nodes: 'details' and 'users'. The 'details' node contains a list of objects with keys like 'bill' and 'products'. The 'users' node contains a list of objects with keys like 'user' and 'pass'.

```
fireapp-51757
├── details
│   ├── -KxvarCTDe_tSuLj2P6n: {"bill":2600,"products":{"jeansjacketjeanst-shirtjacket":1}}
│   ├── -Kxxiq5uQY85IL6s5uH_: {"bill":1500,"products":{"t-shirtshirtaddress:place":1}}
│   ├── -Kxxq5Qfw35zTMRsrh2M: {"bill":3000,"products":{"t-shirtshirtt-shirtshirtaddress:place":1}}
│   ├── -KxxtQ8wxMsnJe97wBrO: {"bill":500,"products":{"shirtaddress:place":1}}
│   ├── -KxyHMwEnXudBiSy7w5M: {"bill":800,"products":{"jeansjacketaddress:place":1}}
│   ├── -Ky-VvLG1ROBqs3uTnMn: {"bill":700,"products":{"jeansshirtaddress:place":1}}
│   ├── -Ky-W_M4mpb3wK3KFec: {"bill":1500,"products":{"t-shirtshirtaddress:place":1}}
│   ├── -Ky-WwosvBJzRUnsDk9k: {"bill":200,"products":{"jeansaddress:place":1}}
│   ├── -Ky-X8Dh0W6-mSRL_VEU: {"bill":1600,"products":{"t-shirtjacketaddress:place":1}}
│   ├── -Ky0Z17AC3Ue1NdpUh-S: {"bill":3000,"products":{"t-shirtshirtt-shirtshirtaddress:place":1}}
│   └── -Ky3EoBoUOzvoZfGZKBM: {"bill":1500,"products":{"t-shirtshirtaddress:place":1}}
└── users
    ├── -KxxeiY_04itjCt3vLxR: "user4"
    ├── -KxxeiYi1XZ1gF1ISZFy: "pass"
    ├── -KxxemclK1hotFbBUyqs: "user5"
    ├── -KxxemclK1hotFbBUyqt: "pass1"
    ├── -KxxfMiwe4t_BMi8MAoz: "user6"
    ├── -KxxfMj4lfsIHychamTr: "pass2"
    └── -Kxxij9BRqkNHndtRP0R: "user8"
```

The screenshot shows the Firebase Database console for project 'fireapp-51757', focusing on the 'users' node. The left sidebar is the same as the previous screenshot. The main area displays the 'users' node, which contains a list of objects with keys like 'user' and 'pass'.

```
fireapp-51757
├── details
│   ├── -KxvarCTDe_tSuLj2P6n: {"bill":2600,"products":{"jeansjacketjeanst-shirtjacket":1}}
│   ├── -Kxxiq5uQY85IL6s5uH_: {"bill":1500,"products":{"t-shirtshirtaddress:place":1}}
│   ├── -Kxxq5Qfw35zTMRsrh2M: {"bill":3000,"products":{"t-shirtshirtt-shirtshirtaddress:place":1}}
│   ├── -KxxtQ8wxMsnJe97wBrO: {"bill":500,"products":{"shirtaddress:place":1}}
│   ├── -KxyHMwEnXudBiSy7w5M: {"bill":800,"products":{"jeansjacketaddress:place":1}}
│   ├── -Ky-VvLG1ROBqs3uTnMn: {"bill":700,"products":{"jeansshirtaddress:place":1}}
│   ├── -Ky-W_M4mpb3wK3KFec: {"bill":1500,"products":{"t-shirtshirtaddress:place":1}}
│   ├── -Ky-WwosvBJzRUnsDk9k: {"bill":200,"products":{"jeansaddress:place":1}}
│   ├── -Ky-X8Dh0W6-mSRL_VEU: {"bill":1600,"products":{"t-shirtjacketaddress:place":1}}
│   ├── -Ky0Z17AC3Ue1NdpUh-S: {"bill":3000,"products":{"t-shirtshirtt-shirtshirtaddress:place":1}}
│   └── -Ky3EoBoUOzvoZfGZKBM: {"bill":1500,"products":{"t-shirtshirtaddress:place":1}}
└── users
    ├── -KxxeiY_04itjCt3vLxR: "user4"
    ├── -KxxeiYi1XZ1gF1ISZFy: "pass"
    ├── -KxxemclK1hotFbBUyqs: "user5"
    ├── -KxxemclK1hotFbBUyqt: "pass1"
    ├── -KxxfMiwe4t_BMi8MAoz: "user6"
    ├── -KxxfMj4lfsIHychamTr: "pass2"
    ├── -Kxxij9BRqkNHndtRP0R: "user8"
    ├── -Kxxij9KtmV4lJtrwvhF: "pass10"
    ├── -KxxtLkum13Xz18vSqxX: "user500"
    ├── -KxxtLkxPyw0Yv9jv9fJ: "1011"
    ├── -Kxy-LdzBThE0FX-JqX0: "user1000"
    ├── -Kxy-Le7T0ymn5HmBBRm: "pass10000"
    ├── -Kxy0KW27DMQSpATE9ss: "User100000"
    ├── -Kxy0KWokL_T62s6aKqv: "pass"
    ├── -Kxy0UT5gkvkwpYMtawW: "User300"
    └── -Kxy0UT6IVOTHVJuGLOP: "pad"
```

codes:

project\_part1

```
package com.example.divyansh.project_part1;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.content.Intent;
import android.view.View;
import android.widget.*;

public class Project_part1 extends AppCompatActivity {
    private Button login;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_project_part1);
        Toast.makeText(getApplicationContext(), "Welcome
user", Toast.LENGTH_SHORT).show();

        fxn();
    }

    public void fxn()
    {
        login=(Button)findViewById(R.id.button5);
        login.setOnClickListener(new View.OnClickListener() {
            @Override

            public void onClick(View v) {
                Intent i=new Intent(getApplicationContext(),Project_login_new.class);
                startActivity(i);
            }
        });
    }
}
```

project\_login\_new:

```
package com.example.divyansh.project_part1;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.*;
import android.content.Intent;
```

```

public class Project_login_new extends AppCompatActivity {

    private EditText e1,e2;
    private Button submit,sign_up;

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

        fxn1();
    }

    public void fxn1()
    {
        e1=(EditText)findViewById(R.id.editText);
        e2=(EditText)findViewById(R.id.editText5);
        submit=(Button)findViewById(R.id.button);
        sign_up=(Button)findViewById(R.id.button3);
        submit.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {

                if(e1.getText().toString().equals("username") &&
e2.getText().toString().equals("password") )
                {
                    Intent i=new
Intent(getApplicationContext(),Project_after_login.class);
                    startActivity(i);
                }
                else
                {
                    Toast.makeText(getApplicationContext(),"Invalid",Toast.LENGTH_SHORT).show();
                }
            }
        });

        sign_up.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i = new Intent(getApplicationContext(), Project_sign_up.class);
                startActivity(i);
            }
        });
    }

}

```

project\_sign\_up:

```
package com.example.divyansh.project_part1;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.support.v7.widget.Toolbar;
import android.view.View;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.Toast;
import android.widget.EdgeEffect;
import android.widget.EditText;
import android.widget.CheckBox;

import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;

public class Project_sign_up extends AppCompatActivity {
    private EditText e1,e2,e3,e4;
    private Button b1;
    private CheckBox ch1;
    FirebaseDatabase database = FirebaseDatabase.getInstance();

    final DatabaseReference nref= database.getReference("users");

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_project_sign_up);
        b1=(Button)findViewById(R.id.button2);
        e1=(EditText)findViewById(R.id.editText3);
        e2=(EditText)findViewById(R.id.editText4);
        e3=(EditText)findViewById(R.id.editText6);
        e4=(EditText)findViewById(R.id.editText7);
        ch1=(CheckBox)findViewById(R.id.checkBox5);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {

                if(ch1.isChecked())
                {
                    if(e4.getText().toString().equals("Card number (if pay by card)"))
                    {
                        Toast.makeText(getApplicationContext(),"account has been
created, but please give card number also",Toast.LENGTH_SHORT).show();
                    }
                }
                if (e2.getText().toString().equals(e3.getText().toString()) &&
ch1.isChecked()) {

                    nref.push().setValue(e1.getText().toString());
                    nref.push().setValue(e2.getText().toString());
                    Toast.makeText(getApplicationContext(), "you have successfully
created your account", Toast.LENGTH_SHORT).show();
                }
            }
        });
    }
}
```

```

        }

        else {
            Toast.makeText(getApplicationContext(), "passwords dont match",
Toast.LENGTH_SHORT).show();
        }
    }
});
};

}

```

project\_after\_login:

```

package com.example.divyansh.project_part1;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.*;
import android.content.Intent;

public class Project_after_login extends AppCompatActivity {
    CheckBox c1,c2;
    Button submit1;

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

        fxn2();
    }

    public void fxn2()
    {
        c1=(CheckBox)findViewById(R.id.checkBox);
        c2=(CheckBox)findViewById(R.id.checkBox2);
        submit1=(Button)findViewById(R.id.button);

        ;

        submit1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {

                if(c1.isChecked())
                {
                    Intent i=new
Intent(getApplicationContext(),Project_after_choosing.class);
                    startActivity(i);
                }
                else if(c2.isChecked())
                {

```

```

        Intent i=new
Intent(getApplicationContext(),Project_after_choosing1.class);
        startActivity(i);
    }
    else
    {
        Toast.makeText(getApplicationContext(),"please choose
anyone",Toast.LENGTH_SHORT).show();
    }
}
});
}
}

```

## project\_after\_choosing

```

package com.example.divyansh.project_part1;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.*;
import android.content.Intent;

public class Project_after_choosing extends AppCompatActivity {
    CheckBox c1,c2,c3,c4;
    Button submit;
    EditText e1;
    int y=0;
    String str1;
    String str="";

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_project_after_choosing);
        fxn3();
    }
    public void fxn3()
    {
        c1=(CheckBox)findViewById(R.id.checkBox);
        c2=(CheckBox)findViewById(R.id.checkBox2);
        c3=(CheckBox)findViewById(R.id.checkBox3);
        c4=(CheckBox)findViewById(R.id.checkBox4);
        e1=(EditText)findViewById(R.id.editText2);

        submit=(Button)findViewById(R.id.button));

        submit.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {

                if(c1.isChecked())
                {
                    str=str+"jeans";

```

```

        y=y+200;
    }
    if(c2.isChecked())
    {
        str=str+"t-shirt";
        y=y+1000;
    }
    if(c3.isChecked())
    {
        str=str+"shirt";
        y=y+500;
    }
    if(c4.isChecked())
    {
        str=str+"jacket";
        y=y+600;
    }
    str1=e1.getText().toString();
    Intent i=new Intent(getApplicationContext(),Project_Bill.class);
    i.putExtra("x",Integer.toString(y));
    i.putExtra("str",str);
    i.putExtra("e1",str1);
    startActivity(i);
    }
    });
}

project_bill

package com.example.divyansh.project_part1;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.TextView;

import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;

public class Project_Bill extends AppCompatActivity {
    private TextView v1;

    @Override
    protected void onCreate(Bundle bundle) {
        super.onCreate(bundle);
        setContentView(R.layout.activity_project_bill);
        FirebaseDatabase database = FirebaseDatabase.getInstance();

        final DatabaseReference nref= database.getReference("details");
        final DatabaseReference nrefChild=nref.child("Name");
        Bundle extras=getIntent().getExtras();
        String v=extras.getString("x");
        String str=extras.getString("str");
        String e1=extras.getString("e1");
        String fin="bill:"+v+"products:"+str+"address:"+e1;

        nref.push().setValue(fin);

        v1=(TextView)findViewById(R.id.textView);
        v1.setText("Total amount: "+v+"\n your products will be delivered soon. \n
Thank you !!");
    }
}

```

```
}  
}
```





Android Emulator - Nexus\_5X\_API\_25:5554

The screenshot shows an Android emulator window titled "Android Emulator - Nexus\_5X\_API\_25:5554". Inside the emulator is a mobile app interface with a blue header bar labeled "Project\_part1". The status bar at the top of the app shows a signal icon, a battery icon, and the time "7:51". The app's main content area is white and contains a registration form. The form has three input fields: the first is labeled "UserName" with a red underline; the second and third are masked with dots. Below these is the text "Payment mode:". There are two checkboxes: "Credit Card" and "Cash". Below the checkboxes is a label "Card number (if pay by ca" followed by a red underline. At the bottom of the form is a grey button labeled "CREATE ACCOUNT". The Android navigation bar at the very bottom shows the back, home, and recents buttons.

Project\_part1

7:51

UserName

.....

.....

Payment mode:

☐ Credit Card ☐ Cash

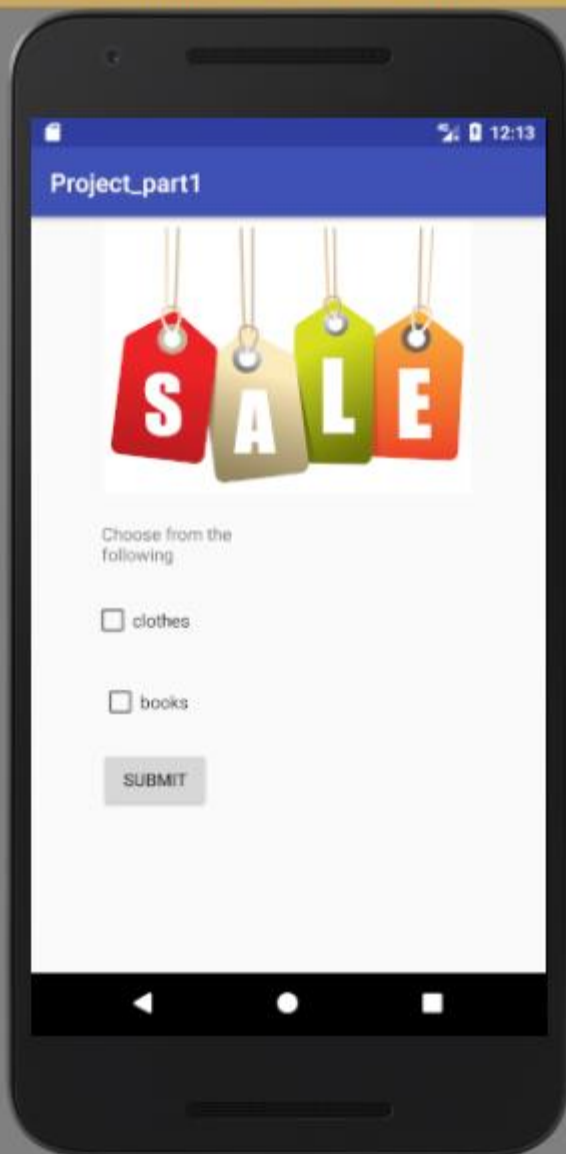
Card number (if pay by ca

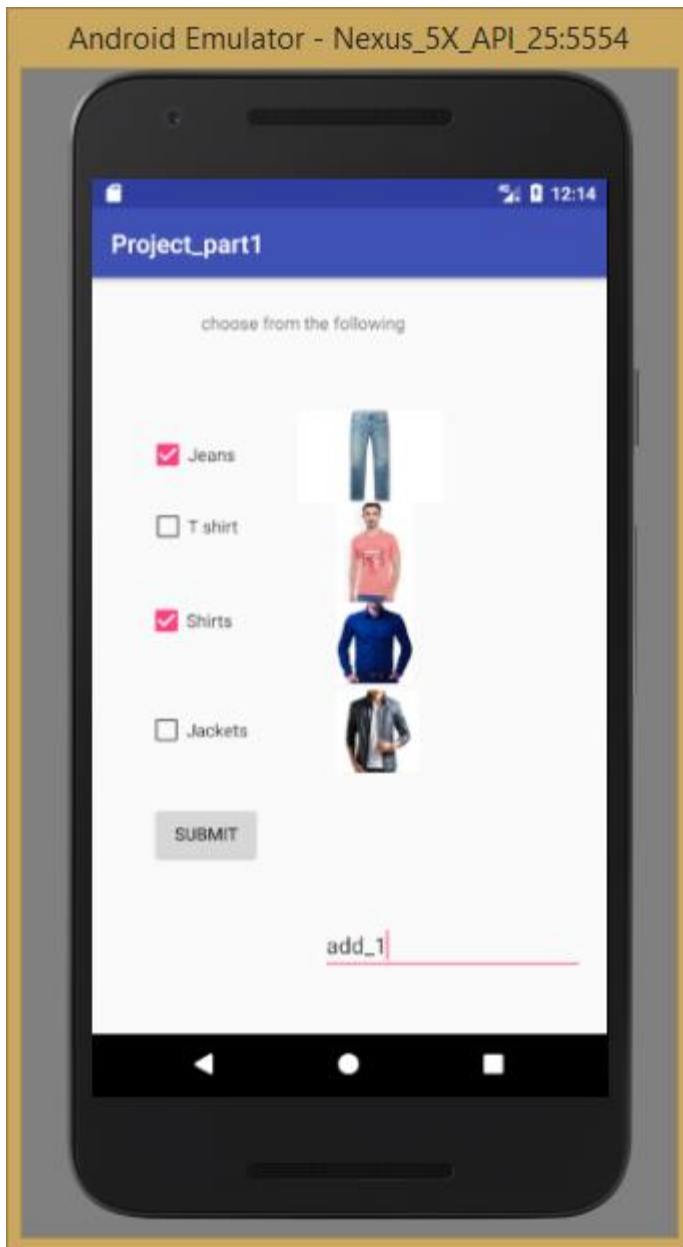
CREATE ACCOUNT

Android Emulator - Nexus\_5X\_API\_25:5554



Android Emulator - Nexus\_5X\_API\_25:5554





Android Emulator - Nexus\_5X\_API\_25:5554

