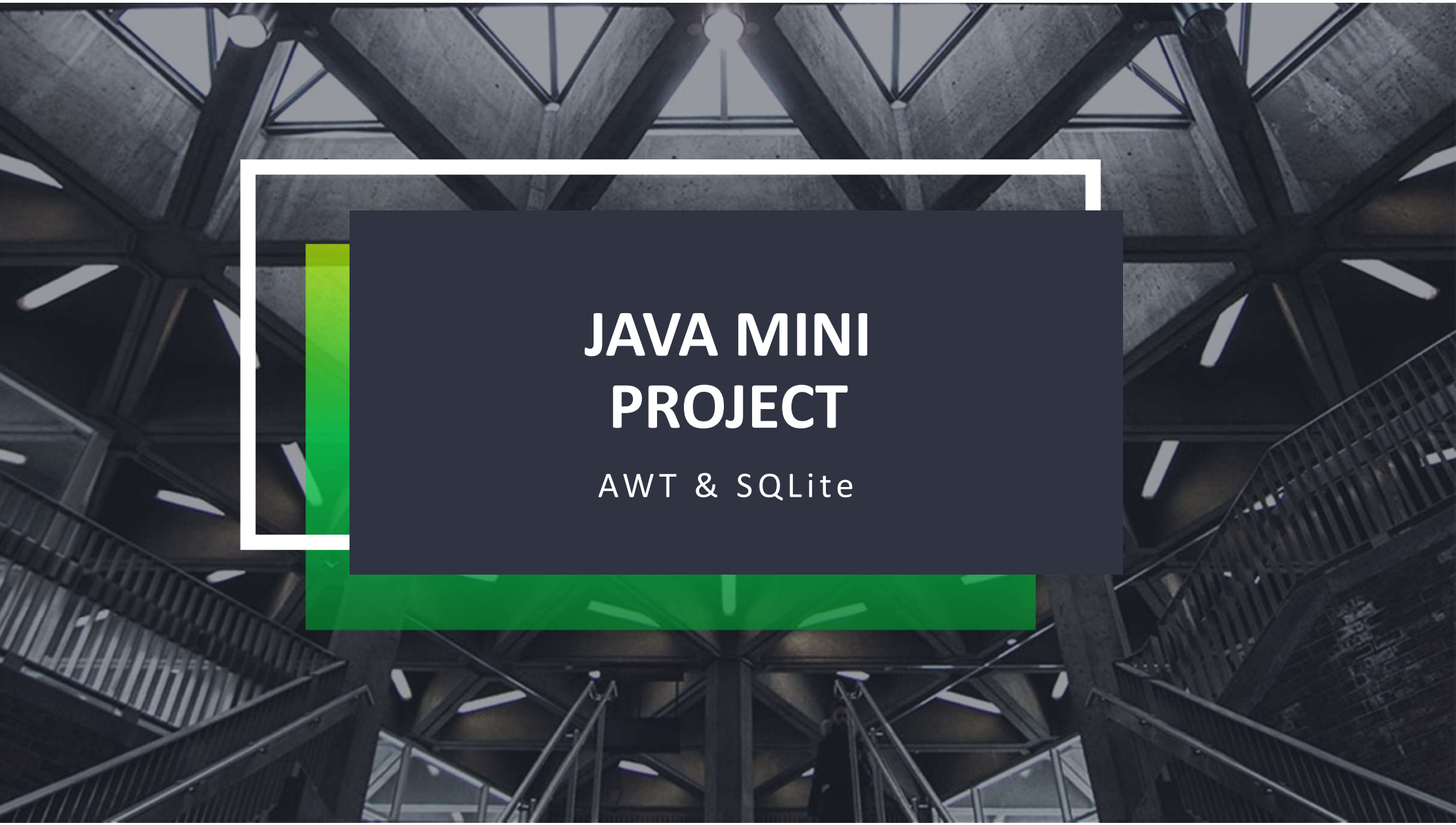
JAVA MINI
PROJECT
AWT & SQLite

STOCK MANAGEMENT SYSTEM

-by

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PROJECT DESCRIPTION

This is a Stock management system, this system develops to control stock management process. Java programming language and SQLite database used to develop this project. Using this system we can add new stock to the database and also we can manage old data stored in data base, this helps in reducing paper work involves in stock management of any place

SOURCE CODE : CREATE DATABASE CODE

```
import java.sql.*;
class createDB
{
  public static void main(String a[])
  {
    Connection c=null;
    Statement s=null;
    try
    {
      Class.forName("org.sqlite.JDBC");
      c=DriverManager.getConnection("jdbc:sqlite:t2.db");

      s = c.createStatement();
      String sql = "CREATE TABLE stock (SNAME TEXT, SLEFT INT ,SID INT, SPRICE INT)";
      s.executeUpdate(sql);

      System.out.println("Databse Created");
      s.close();
      c.close();
    }
   catch(Exception e)
    {
      System.out.println(e);
    }
}
}
```

SOURCE CODE : INSERT INTO DATABASE CODE

```
import java.sql.*;
class insert
{
  public static void main(String a[])
  {
    Connection c=null;
    Statement s=null;
    try
    {
        Class.forName("org.sqlite.JDBC");
        c=DriverManager.getConnection("jdbc:sqlite:t2.db");

        String st1="insert into stock values ('Pulses','10','1','30')";
        String st2="insert into stock values ('Rice','25','2','45')";
        String st3="insert into stock values ('Biscuit','40','3','5')";


        s=c.createStatement();
        s.executeUpdate(st1);
        s.executeUpdate(st2);
        s.executeUpdate(st3);

        System.out.println("Inserted");
        System.out.println("Saved");
```

SOURCE CODE : INSERT INTO DATABASE CODE

```
            c.commit();
            s.close();
            c.close();


        }
        catch(Exception e){
          e.getStackTrace();
        }
    }
    }
```

SOURCE CODE : APP CODE

```
import javax.swing.*;
import java.awt.event.*;
import java.sql.*;
import java.util.*;
public class app extends JFrame implements ActionListener {

    JLabel Lname, Lid, Lprice, Lleft;
    static JTextField Tname, Tid, Tprice, Tleft;
    JButton btn;
    static JTable jt;
    JScrollPane sp;
    JFrame f;
    static String data[][] = new String[10][4];
    String column[]={"ID","NAME","Stock Left","Price"};

    app() {
        super("View and Insert Stock");

        setLayout(null);

        Lname = new JLabel("Enter Stock Name:");
        Lname.setBounds(20, 20, 150, 20);
        add(Lname);
```

SOURCE CODE : APP CODE

```
Tname = new JTextField(20);
Tname.setBounds(130, 20, 200, 20);
add(Tname);

Lid = new JLabel("Enter Stock ID:");
Lid.setBounds(20, 40, 150, 20);
add(Lid);

Tid = new JTextField(20);
Tid.setBounds(130, 40, 200, 20);
add(Tid);

Lprice = new JLabel("Enter Stock Price:");
Lprice.setBounds(20, 60, 150, 20);
add(Lprice);

Tprice = new JTextField(20);
Tprice.setBounds(130, 60, 200, 20);
add(Tprice);

Lleft = new JLabel("Enter Stock Left:");
Lleft.setBounds(20, 80, 150, 20);
add(Lleft);
```

SOURCE CODE : APP CODE

```
Tname = new JTextField(20);
Tname.setBounds(130, 20, 200, 20);
add(Tname);

Lid = new JLabel("Enter Stock ID:");
Lid.setBounds(20, 40, 150, 20);
add(Lid);

Tid = new JTextField(20);
Tid.setBounds(130, 40, 200, 20);
add(Tid);

Lprice = new JLabel("Enter Stock Price:");
Lprice.setBounds(20, 60, 150, 20);
add(Lprice);

Tprice = new JTextField(20);
Tprice.setBounds(130, 60, 200, 20);
add(Tprice);

Lleft = new JLabel("Enter Stock Left:");
Lleft.setBounds(20, 80, 150, 20);
add(Lleft);
```

SOURCE CODE : APP CODE

```
Tleft = new JTextField(20);
Tleft.setBounds(130, 80, 200, 20);
add(Tleft);



btn = new JButton("Submit");
btn.setBounds(130, 100, 100, 20);
btn.addActionListener(this);
add(btn);



jt=new JTable(data,column);
jt.setBounds(100,140,200,300);
sp=new JScrollPane(jt);
sp.setBounds(20,130,400,300);
add(sp);



setVisible(true);
setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
setSize(500, 500);
```

SOURCE CODE : APP CODE

```
    }

    public void actionPerformed(ActionEvent e) {
        Connection c=null;
        Statement s=null;
        int row=0;
        try {
            Class.forName("org.sqlite.JDBC");
            c=DriverManager.getConnection("jdbc:sqlite:t2.db");
            s=c.createStatement();

            String Iname = Tname.getText();
            int Iid = Integer.parseInt(Tid.getText());
            int Iprice = Integer.parseInt(Tprice.getText());
            int Ileft = Integer.parseInt(Tleft.getText());

            String query="insert into stock values
('"+Iname+"',"+Ileft+","+Iid+","+Iprice+")";

            s.executeUpdate(query);

            System.out.println("Inserted");

            Connection con = DriverManager.getConnection("jdbc:sqlite:t2.db");
            PreparedStatement st = con.prepareStatement("select * from stock");
            ResultSet rs = st.executeQuery();
```

SOURCE CODE : APP CODE

```
System.out.println(rs);

            row=0;
            while(rs.next()) {
                data[row][1] = (rs.getString(1));
                data[row][2] = (rs.getString(2));
                data[row][0] = (rs.getString(3));
                data[row++][3] = (rs.getString(4));
            }
            jt=new JTable(data,column);
            jt.setBounds(100,140,200,300);
            sp=new JScrollPane(jt);
            sp.setBounds(20,130,400,300);
            add(sp);

            Tid.setText(String.valueOf(++row));
            Tname.setText("");
            Tprice.setText("");
            Tleft.setText("");

            c.commit();
            s.close();
            c.close();

        }
```

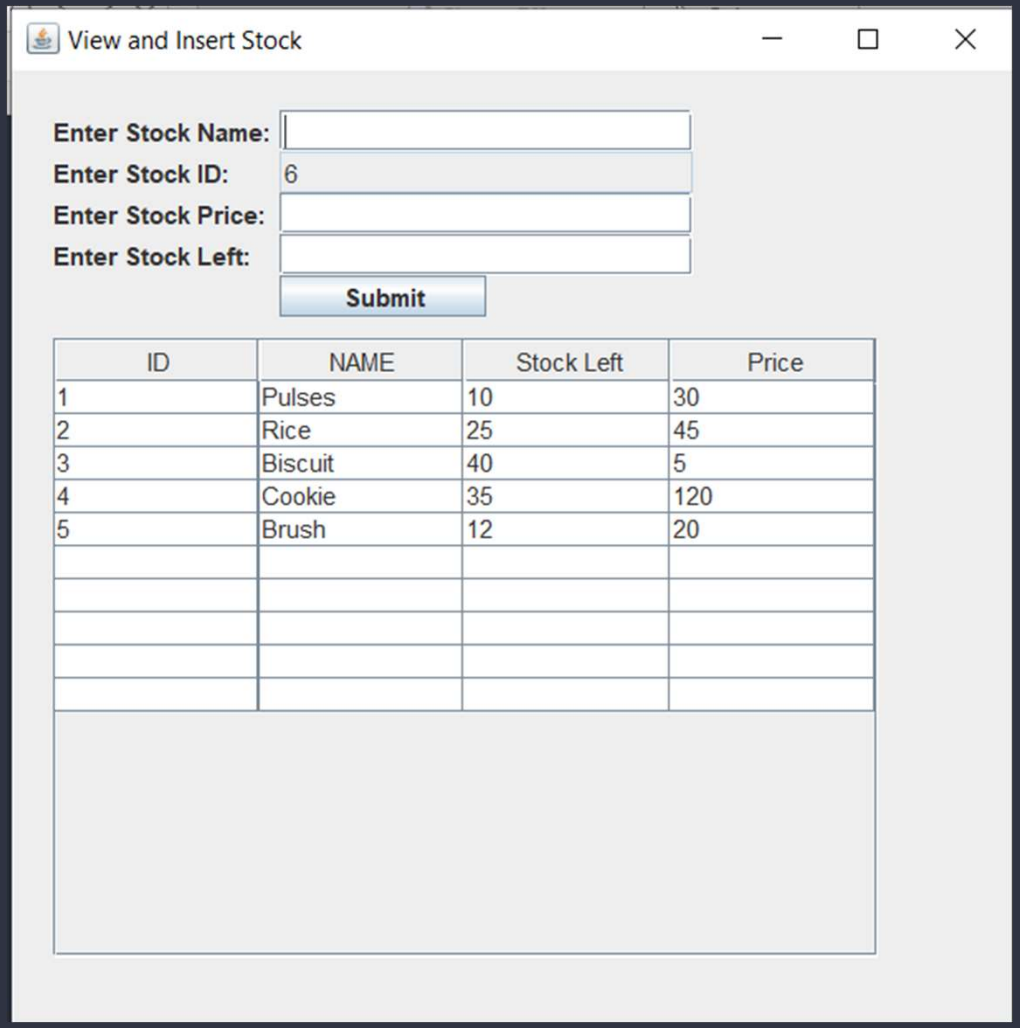
SOURCE CODE : APP CODE

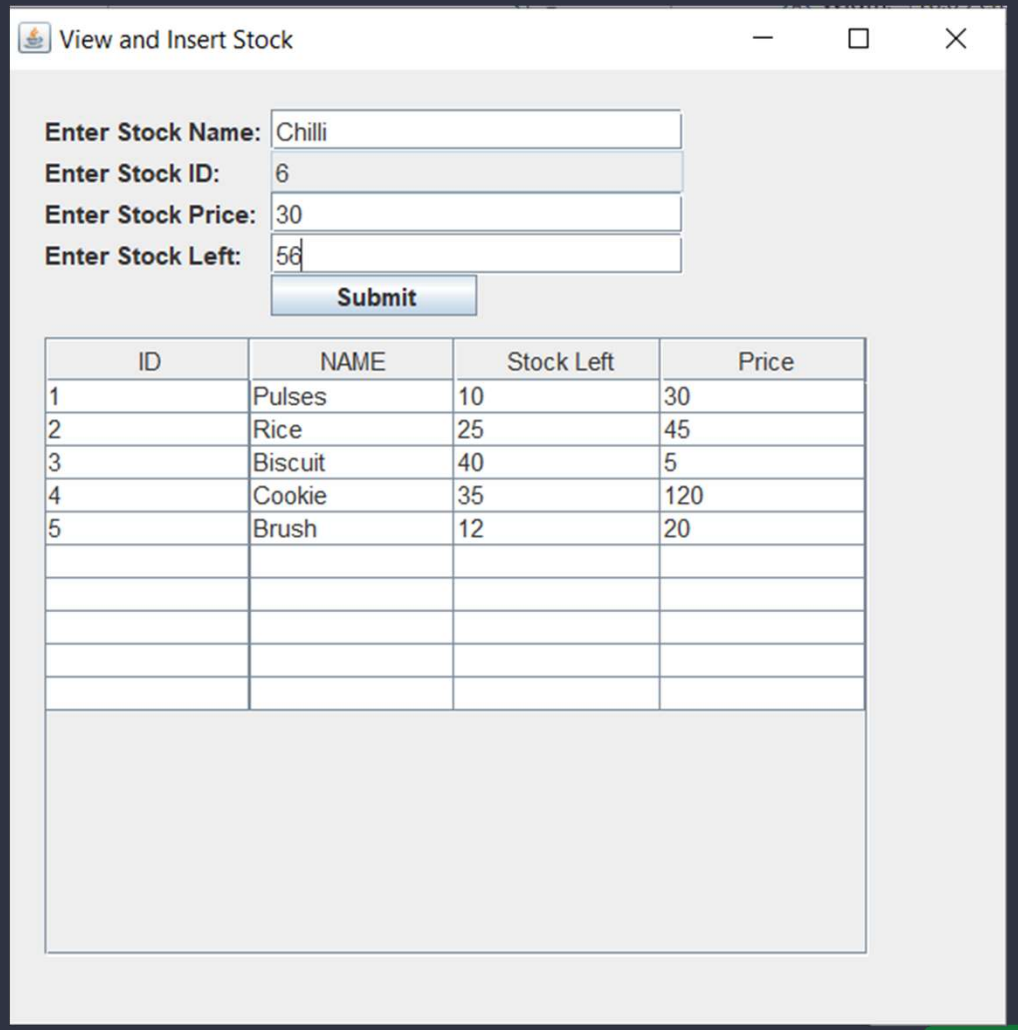
```
catch(Exception ee){
            ee.getStackTrace();
        }

    }



    public static void main(String args[]) {
        int row=0;
        try {

            Class.forName("org.sqlite.JDBC");
            Connection con = DriverManager.getConnection("jdbc:sqlite:t2.db");
            PreparedStatement st = con.prepareStatement("select * from stock");
            ResultSet rs = st.executeQuery();

            System.out.println(rs);

            row=0;
            while(rs.next()) {
                data[row][1] = (rs.getString(1));
                data[row][2] = (rs.getString(2));
                data[row][0] = (rs.getString(3));
                data[row++][3] = (rs.getString(4));
            }
```

SOURCE CODE : APP CODE

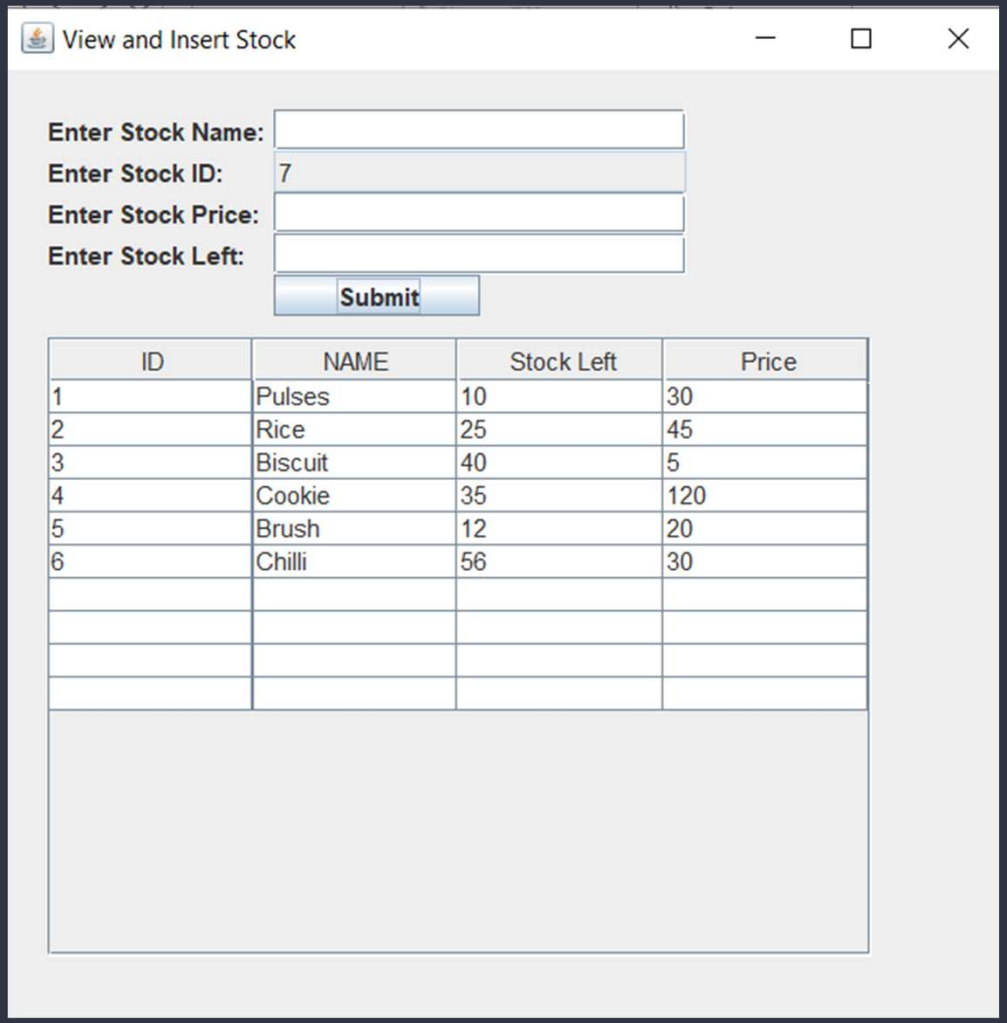
```
} catch (Exception ex) {
            System.out.println(ex);
        }
        new app();
        Tid.setText(String.valueOf(++row));
        Tid.setEditable(false);
    }
}
```

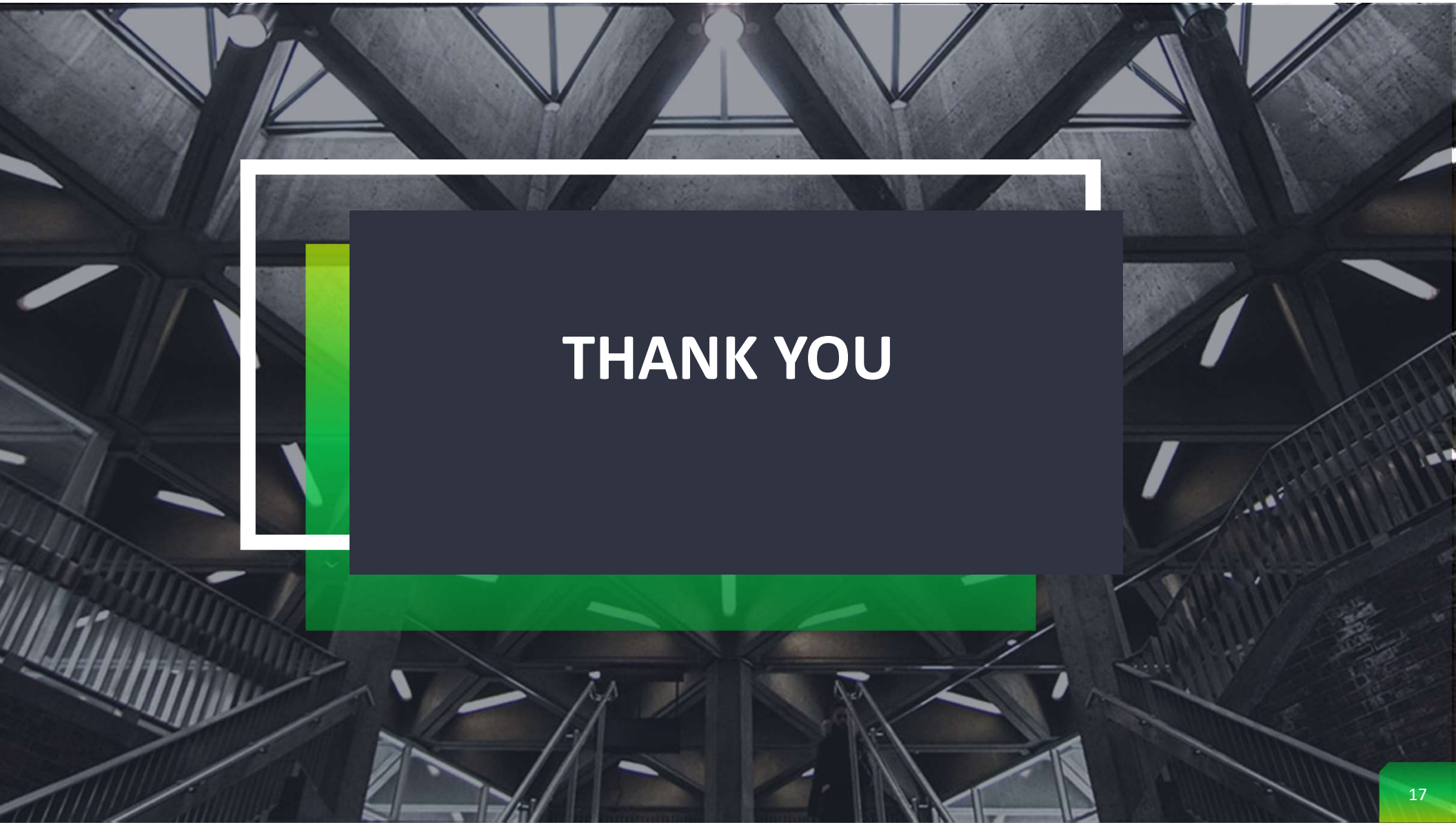
OUTPUT:


View and Insert Stock
Enter Stock Name:
Enter Stock ID: 6
Enter Stock Price:
Enter Stock Left:
Submit
ID NAME Stock Left Price
1 Pulses 10 30
2 Rice 25 45
3 Biscuit 40 5
4 Cookie 35 120
5 Brush 12 20


View and Insert Stock
Enter Stock Name: Chilli
Enter Stock ID: 6
Enter Stock Price: 30
Enter Stock Left: 56
Submit
ID NAME Stock Left Price
1 Pulses 10 30
2 Rice 25 45
3 Biscuit 40 5
4 Cookie 35 120
5 Brush 12 20

OUTPUT:


View and Insert Stock
Enter Stock Name:
Enter Stock ID:
7
Enter Stock Price:
Enter Stock Left:
Submit
ID
NAME
Stock Left
Price
1
Pulses
10
30
2
Rice
25
45
3
Biscuit
40
5
4
Cookie
35
120
5
Brush
12
20
6
Chilli
56
30


THANK YOU