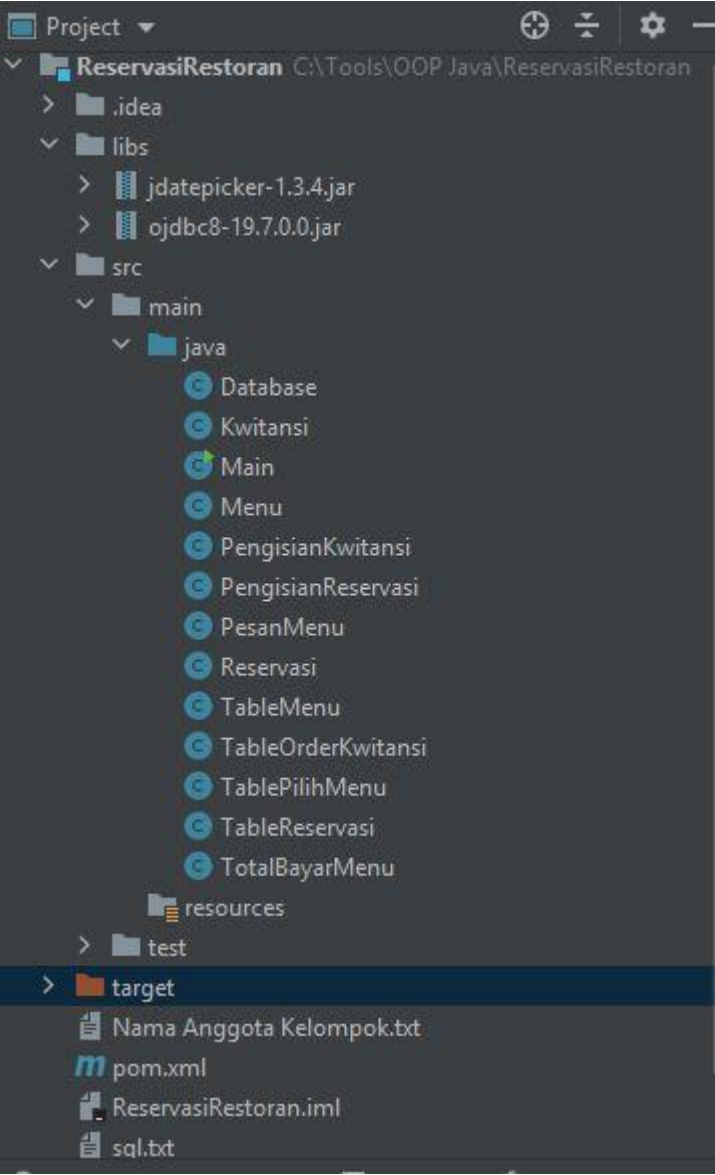


Class beserta library yang digunakan



pom.xml (ReservasiRestoran)

```
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>

  <groupId>org.example</groupId>
  <artifactId>ReservasiRestoran</artifactId>
  <version>1.0-SNAPSHOT</version>
  <build>
    <plugins>
      <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-compiler-plugin</artifactId>
        <configuration>
          <source>6</source>
          <target>6</target>
        </configuration>
      </plugin>
    </plugins>
  </build>

  <dependencies>
    <dependency>
      <groupId>oracle</groupId>
      <artifactId>ojdbc8</artifactId>
      <version>19.7.0.0</version>
      <scope>system</scope>
      <systemPath>C:/Tools/OOP Java/ReservasiRestoran/libs/ojdbc8-
19.7.0.0.jar</systemPath> <!-- letak menyesuaikan di komputer-->
    </dependency>
    <dependency>
      <groupId>org.jdatepicker</groupId>
      <artifactId>jdatepicker</artifactId>
      <version>1.3.4</version>
      <scope>system</scope>
      <systemPath>C:/Tools/OOP Java/ReservasiRestoran/libs/jdatepicker-
1.3.4.jar</systemPath><!-- yang ini juga -->
    </dependency>
  </dependencies>

</project>
```

Class : Database.java

```
import java.sql.Connection;
import java.sql.DriverManager;

public class Database {
    static Connection db;

    public Database(){
        try {
            //load jdbc driver for oracle database
            Class.forName("oracle.jdbc.OracleDriver");

            //establish connection to oracle
            db =
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE", "hr",
"oracle");
        }catch (Exception e){
            e.printStackTrace();
        }
    }
}
```

Class: Main.java

```
public class Main {
    public static void main(String[] args) {
        new Reservasi();
    }
}
```

Class: Kwitansi.java

```
import javax.swing.*;
import javax.swing.border.EmptyBorder;
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;

public class Kwitansi extends JFrame {
    private static JPanel judul = new JPanel();
    private static JPanel totalHarga = new JPanel();
    private static JPanel button = new JPanel();
    static JLabel isiTotalHarga = new JLabel(".....");
    private static JButton btnReservasi = new JButton("Selesai");
    public Kwitansi() {
        new Database();
        setTitle("Form Kwitansi");
        setSize(600,400);
        setDefaultCloseOperation(EXIT_ON_CLOSE);
        setLocationRelativeTo(null);
        setLayout(new BorderLayout(getContentPane(), BorderLayout.Y_AXIS));

        judul.setLayout(new GridLayout(1,2));
        judul.add(new JLabel("KWITANSI"));
        judul.setBorder(new EmptyBorder(5, 265, 10, 140));

        totalHarga.setLayout(new GridLayout(3,2));
        totalHarga.add(new JLabel("Total Harga"));
        totalHarga.add(isiTotalHarga);
        totalHarga.setBorder(new EmptyBorder(10, 260, 0, 140));

        button.setBorder(new EmptyBorder(0,140, 10, 140));
        btnReservasi.addActionListener(new ActionListener() {
            @Override
            public void actionPerformed(ActionEvent e) {
                System.exit(0);
            }
        });
        button.add(btnReservasi);

        add(judul);
        add(new PengisianKwitansi());
        add(new TableOrderKwitansi());
        add(totalHarga);
        add(button);

        setVisible(true);
    }
}
```

Class: Menu.java

```
import javax.swing.*;
import javax.swing.border.EmptyBorder;
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;

public class Menu extends JFrame {
    private static JPanel panelInsert = new JPanel();
    private static JPanel panelCheck = new JPanel();
    private static JButton btnInsert = new JButton("Insert");
    private static JButton btnCheck = new JButton("Check Out");
    int harga, subtotal, total;
    public Menu() {
        new Database();
        setTitle("Menu");
        setSize(500, 450);
        setDefaultCloseOperation(EXIT_ON_CLOSE);
        setLayout(new BoxLayout(getContentPane(), BoxLayout.Y_AXIS));

        panelInsert.setLayout(new GridLayout(1, 1));
        panelInsert.setBorder(new EmptyBorder(0, 350, 0, 10));
        btnInsert.addActionListener(new ActionListener() {
            @Override
            public void actionPerformed(ActionEvent e) {
                String jenis = PesanMenu.jenis.getText();
                int jumlah =
Integer.parseInt(PesanMenu.banyak.getValue().toString());
                if (jenis.equals("Ayam Bakar")) {
                    harga = 40000;
                } else if (jenis.equals("Sup Ikan")) {
                    harga = 30000;
                } else if (jenis.equals("Jus Mangga")) {
                    harga = 20000;
                } else if (jenis.equals("Pepsi")) {
                    harga = 15000;
                }
                Object[] row = {jenis, jumlah, harga};
                TablePilihMenu.dtm.addRow(row);

                subtotal = jumlah * harga;
                total += subtotal;

                TotalBayarMenu.total.setText(String.valueOf(total));
            }
        });
        panelInsert.add(btnInsert);

        panelCheck.setLayout(new GridLayout(1, 1));
        panelCheck.setBorder(new EmptyBorder(1, 170, 10, 170));
        btnCheck.addActionListener(new ActionListener() {
            @Override
            public void actionPerformed(ActionEvent e) {
                Kwitansi.isiTotalHarga.setText(TotalBayarMenu.total.getText());
                new Kwitansi();
                dispose();
            }
        });
        panelCheck.add(btnCheck);

        add(new TableMenu());
        add(new PesanMenu());
        add(panelInsert);
        add(new TablePilihMenu());
        add(new TotalBayarMenu());
        add(panelCheck);

        setVisible(true);
        setLocationRelativeTo(null);
    }
}
```

Class: PengisianKwitansi.java

```
import javax.swing.*;
import javax.swing.border.Border;
import javax.swing.border.EmptyBorder;
import javax.swing.border.EtchedBorder;
import javax.swing.border.TitledBorder;
import java.awt.*;

public class PengisianKwitansi extends JPanel {
    static JLabel IsiTanggalReservasi = new
JLabel(".....");
    static JLabel IsiNama = new JLabel(".....");
    public PengisianKwitansi() {
        setLayout(new GridLayout(3,2));

        add(new JLabel("Tanggal Reservasi"));
        add(IsiTanggalReservasi);

        add(new JLabel("Nama"));
        add(IsiNama);

        //Border
        Border etchedBorder =
BorderFactory.createEtchedBorder(EtchedBorder.LOWERED);

        TitledBorder titledBorder =
BorderFactory.createTitledBorder(etchedBorder, "");

        titledBorder.setTitleFont(titledBorder.getTitleFont().deriveFont(Font.BOLD
D));

        setBorder(BorderFactory.createCompoundBorder(new
EmptyBorder(10,10,0,10), titledBorder));
    }
}
```

Class: PengisianReservasi.java

```
import org.jdatepicker.impl.DateComponentFormatter;
import org.jdatepicker.impl.JDatePanelImpl;
import org.jdatepicker.impl.JDatePickerImpl;
import org.jdatepicker.impl.UtilDateModel;

import javax.swing.*;
import javax.swing.border.Border;
import javax.swing.border.EmptyBorder;
import javax.swing.border.EtchedBorder;
import javax.swing.border.TitledBorder;
import java.awt.*;
import java.util.Properties;

public class PengisianReservasi extends JPanel {
    private static UtilDateModel model = new UtilDateModel();
    private static Properties p = new Properties();
    private static JDatePanelImpl Panel = new JDatePanelImpl(model,p);
    static JDatePickerImpl Picker = new JDatePickerImpl(Panel, new
DateComponentFormatter());

    static JTextField txtFullName = new JTextField();
    static JTextField txtMejaID = new JTextField();
    public PengisianReservasi() {
        setLayout(new GridLayout(3, 2));

        p.put("text.today", "Today");
        p.put("text.month", "Month");
        p.put("text.year", "Year");

        add(new JLabel("Tanggal Reservasi"));
        add(Picker);

        add(new JLabel("Nama"));
        add(txtFullName);

        add(new JLabel("Meja ID"));
        add(txtMejaID);

        //Border
        Border etchedBorder = BorderFactory.createEtchedBorder(EtchedBorder.LOWERED);

        TitledBorder titledBorder = BorderFactory.createTitledBorder(etchedBorder,
"Pengisian Data Reservasi");
        titledBorder.setTitleFont(titledBorder.getTitleFont().deriveFont(Font.BOLD));

        setBorder(BorderFactory.createCompoundBorder(new EmptyBorder(10, 10, 10, 10),
titledBorder));
    }
}
```

Class: PesanMenu.java

```
import javax.swing.*;
import javax.swing.border.Border;
import javax.swing.border.EmptyBorder;
import javax.swing.border.EtchedBorder;
import javax.swing.border.TitledBorder;
import java.awt.*;

public class PesanMenu extends JPanel {
    static JTextField jenis = new JTextField();
    static JSpinner banyak = new JSpinner();
    public PesanMenu() {
        setLayout(new GridLayout(2, 2));
        Border etchedBorder = BorderFactory.createEtchedBorder(EtchedBorder.LOWERED);
        TitledBorder titledBorder = BorderFactory.createTitledBorder(etchedBorder,
"Pesanan");
        titledBorder.setTitleFont(titledBorder.getTitleFont().deriveFont(Font.ITALIC));
        setBorder(BorderFactory.createCompoundBorder(new EmptyBorder(10, 10, 10, 10),
titledBorder));

        add(new JLabel("Jenis Menu"));
        add(jenis);
        add(new JLabel("Banyak Pesanan"));
        add(banyak);
    }
}
```

Class: Reservasi.java

```
import javax.swing.*;
import javax.swing.border.EmptyBorder;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;

public class Reservasi extends JFrame {
    private static JPanel button = new JPanel();
    private static JButton btnReservasi = new JButton("Reservasi");
    public Reservasi() {
        new Database();
        setTitle("Form Reservasi");
        setSize(600,400);
        setDefaultCloseOperation(EXIT_ON_CLOSE);
        setLayout(new BoxLayout(getContentPane(), BoxLayout.Y_AXIS));

        button.setBorder(new EmptyBorder(1, 125, 10, 140));
        btnReservasi.addActionListener(new ActionListener() {
            @Override
            public void actionPerformed(ActionEvent e) {
PengisianKwitansi.IsiTanggalReservasi.setText(PengisianReservasi.Picker.getJFormattedTextField().getText());
                PengisianKwitansi.IsiNama.setText(PengisianReservasi.txtFullName.getText());
                new Menu();
                dispose();
            }
        });
        button.add(btnReservasi);

        add(new TableReservasi());
        add(new PengisianReservasi());
        add(button);

        setLocationRelativeTo(null);
        setVisible(true);
    }
}
```

Class: TableMenu.java

```

import javax.swing.*;
import javax.swing.border.EmptyBorder;
import javax.swing.table.DefaultTableModel;
import java.awt.*;
import java.awt.event.MouseEvent;
import java.awt.event.MouseListener;
import java.sql.ResultSet;
import java.sql.Statement;

public class TableMenu extends JPanel {
    private static String columnName[]={"Menu Id","Jenis Menu","Harga"};
    private static DefaultTableModel dtm = new DefaultTableModel(null,columnName);
    private static JTable table = new JTable(dtm);
    private static JScrollPane scrollPane = new JScrollPane(table);
    private static Statement stm;
    private static ResultSet rs;
    public TableMenu() {
        table.setFillViewportHeight(true);
        table.addMouseListener(new MouseListener() {
            @Override
            public void mouseClicked(MouseEvent e) {
                PesanMenu.jenis.setText(dtm.getValueAt(table.getSelectedRow(),1)+"");
            }

            @Override
            public void mousePressed(MouseEvent e) {

            }

            @Override
            public void mouseReleased(MouseEvent e) {

            }

            @Override
            public void mouseEntered(MouseEvent e) {

            }

            @Override
            public void mouseExited(MouseEvent e) {

            }
        });

        ShowData();
        setLayout(new GridLayout(1,1));
        setBorder(new EmptyBorder(10, 10, 0, 10));

        add(scrollPane);
    }
    public void ShowData(){
        try{
            String sql = "SELECT * FROM tb_menu";
            stm = Database.db.createStatement();
            rs = stm.executeQuery(sql);
            while(rs.next()){
                Object[] row = {
                    rs.getString("menuID"),
                    rs.getString("jenisMenu"),
                    rs.getInt("harga")
                };
                dtm.addRow(row);
            }
        }catch (Exception e){
            e.printStackTrace();
        }
    }
}

```

Class: TableOrderKwitansi.java

```
import javax.swing.*;
import javax.swing.border.Border;
import javax.swing.border.EmptyBorder;
import javax.swing.border.EtchedBorder;
import javax.swing.border.TitledBorder;
import java.awt.*;

public class TableOrderKwitansi extends JPanel {
    private static JTable table = new JTable(TablePilihMenu.dtm);
    private static JScrollPane scrollPane = new JScrollPane(table);
    public TableOrderKwitansi() {
        table.setFillViewportHeight(true);
        table.setEnabled(false);

        setLayout(new GridLayout(1,1));
        setBorder(new EmptyBorder(0,10,0,10));

        add(scrollPane);

        //Border
        Border etchedBorder = BorderFactory.createEtchedBorder(EtchedBorder.LOWERED);

        TitledBorder titledBorder = BorderFactory.createTitledBorder(etchedBorder, "Order : ");
        titledBorder.setTitleFont(titledBorder.getTitleFont().deriveFont(Font.BOLD));

        setBorder(BorderFactory.createCompoundBorder(new EmptyBorder(0,10,0,10), titledBorder));
    }
}
```

Class: TablePilihMenu.java

```
import javax.swing.*;
import javax.swing.border.EmptyBorder;
import javax.swing.table.DefaultTableModel;
import java.awt.*;

public class TablePilihMenu extends JPanel {
    private static String columnName[]={"Jenis Menu","Banyak Pesanan","Harga"};
    static DefaultTableModel dtm = new DefaultTableModel(null,columnName);
    private static JTable table = new JTable(dtm);
    private static JScrollPane scrollPane = new JScrollPane(table);
    public TablePilihMenu() {
        table.setFillViewportHeight(true);
        table.setEnabled(false);

        setLayout(new GridLayout(1, 1));
        setBorder(new EmptyBorder(10, 10, 0, 10));

        add(scrollPane);
    }
}
```

Class: TotalBayarMenu.java

```
import javax.swing.*;
import javax.swing.border.Border;
import javax.swing.border.EmptyBorder;
import javax.swing.border.EtchedBorder;
import javax.swing.border.TitledBorder;
import java.awt.*;

public class TotalBayarMenu extends JPanel {
    static JTextField total = new JTextField();
    public TotalBayarMenu() {
        setLayout(new GridLayout(1, 2));
        Border etchedBorder = BorderFactory.createEtchedBorder(EtchedBorder.LOWERED);
        TitledBorder titledBorder = BorderFactory.createTitledBorder(etchedBorder, "Harga");
        titledBorder.setTitleFont(titledBorder.getTitleFont().deriveFont(Font.ITALIC));
        setBorder(BorderFactory.createCompoundBorder(new EmptyBorder(10, 10, 10, 10), titledBorder));

        add(new JLabel("Total Bayar"));
        add(total);
    }
}
```

Class: TableReservasi.java

```
import javax.swing.*;
import javax.swing.border.EmptyBorder;
import javax.swing.table.DefaultTableModel;
import java.awt.*;
import java.awt.event.MouseEvent;
import java.awt.event.MouseListener;
import java.sql.ResultSet;
import java.sql.Statement;

public class TableReservasi extends JPanel {
    private static String columnNames[] = {"Meja ID", "Kapasitas", "Tipe"};
    private static DefaultTableModel dtm = new DefaultTableModel(null, columnNames);
    private static JTable table = new JTable(dtm);
    private static JScrollPane scrollPane = new JScrollPane(table);
    private static Statement stm;
    private static ResultSet rs;

    public TableReservasi() {
        table.setFillViewportHeight(true);
        table.addMouseListener(new MouseListener() {
            @Override
            public void mouseClicked(MouseEvent e) {
                PengisianReservasi.txtMejaID.setText(dtm.getValueAt(table.getSelectedRow(), 0) + "");
            }

            @Override
            public void mousePressed(MouseEvent e) {

            }

            @Override
            public void mouseReleased(MouseEvent e) {

            }

            @Override
            public void mouseEntered(MouseEvent e) {

            }

            @Override
            public void mouseExited(MouseEvent e) {

            }
        });
        ShowData();
        setLayout(new GridLayout(1, 1));
        setBorder(new EmptyBorder(10, 10, 0, 10));

        add(scrollPane);
    }

    public void ShowData() {
        try {
            String sql = "SELECT * FROM tb_meja";
            stm = Database.db.createStatement();
            rs = stm.executeQuery(sql);
            while (rs.next()) {
                Object[] row = {
                    rs.getString("mejaID"),
                    rs.getInt("kapasitas"),
                    rs.getString("tipe"),
                };
                dtm.addRow(row);
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}
```


Gambaran Aplikasi

Form Reservasi

Meja ID	Kapasitas	Tipe
M1	2	Personal
M2	4	Group
M3	6	Family
M4	8	Party

Pengisian Data Reservasi

Tanggal Reservasi: Sep 1, 2019

Nama: Dean

Meja ID: M4

Reservasi

Menu

Menu Id	Jenis Menu	Harga
F1	Ayam Bakar	40000
F2	Sup Ikan	30000
D1	Jus Mangga	20000
D2	Pepsi	15000

Pesanan

Jenis Menu: Jus Mangga

Banyak Pesanan: 4

Insert

Jenis Menu	Banyak Pesanan	Harga
Ayam Bakar	2	40000
Jus Mangga	4	20000

Harga

Total Bayar: 160000

Check Out

Form Kwitansi

KWITANSI

Tanggal Reservasi: Sep 1, 2019

Nama: Dean

Order :

Jenis Menu	Banyak Pesanan	Harga
Ayam Bakar	2	40000
Jus Mangga	4	20000

Total Harga
160000

Selesai