IMPLEMENTED CODE:
Travel Agency UI:

```java
package ooad;
import java.awt.Color;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.net.Socket;
import java.awt.Container;
import java.awt.Font;
import java.io.*;
import java.net.*;
import java.util.*;
import java.sql.*;
import javax.swing.*;

public class Inp extends JFrame
{

    Font font1 = new Font("Arial",Font.PLAIN, 20);
    Container c = getContentPane();
    JFrame f= new JFrame("Bunk'O'Bed");
    JPanel panel=new JPanel();
    ButtonListener7 bl7;

    JLabel j=new JLabel("BUNK'O'BED");
    JLabel j1,j3,j2,j4,j5;
    JTextField t1,t2,t3,t4,t5,t6;

    public Inp()
    {
         panel.setBounds(0,0,1000,1000);
       panel.setLayout(null);
       j.setForeground(Color.BLACK);
       j.setFont(new Font("Arial",Font.BOLD,40));
       j.setSize(600,100);
       j.setHorizontalAlignment(JLabel.CENTER);
       j.setLocation(275,35);

       j1=new JLabel("BOOK MEETINGS");
```

```java
j1.setForeground(Color.BLACK);
j1.setFont(new Font("Arial",Font.BOLD,30));
j1.setSize(500,75);
j1.setHorizontalAlignment(JLabel.CENTER);
j1.setLocation(275,90);

j3=new JLabel("Travel agency id: ");
j3.setForeground(Color.BLACK);
j3.setFont(new Font("Arial",Font.BOLD,16));
j3.setSize(150,50);
j3.setHorizontalAlignment(JTextField.CENTER);
j3.setLocation(50,150);

t1=new JTextField("");
t1.setForeground(Color.GRAY);
t1.setSize(150,50);
t1.setFont(font1);
t1.setHorizontalAlignment(JTextField.CENTER);
t1.setLocation(250,150);

 j2=new JLabel("Agency name: ");
j2.setForeground(Color.BLACK);
j2.setFont(new Font("Arial",Font.BOLD,16));
j2.setSize(150,50);
j2.setHorizontalAlignment(JTextField.CENTER);
j2.setLocation(50,225);

t2=new JTextField("");
t2.setForeground(Color.GRAY);
t2.setSize(150,50);
t2.setFont(font1);
t2.setHorizontalAlignment(JTextField.CENTER);
t2.setLocation(250,225);

j4=new JLabel("Enter Date: ");
j4.setForeground(Color.BLACK);
j4.setFont(new Font("Arial",Font.BOLD,16));
j4.setSize(150,50);
j4.setHorizontalAlignment(JTextField.CENTER);
j4.setLocation(50,300);
```

```java
t3=new JTextField("");
t3.setForeground(Color.GRAY);
t3.setSize(150,50);
t3.setFont(font1);
t3.setHorizontalAlignment(JTextField.CENTER);
t3.setLocation(250,300);

t4=new JTextField("");
t4.setForeground(Color.GRAY);
t4.setSize(150,50);
t4.setFont(font1);
t4.setHorizontalAlignment(JTextField.CENTER);
t4.setLocation(450,300);


t5=new JTextField("");
t5.setForeground(Color.GRAY);
t5.setSize(150,50);
t5.setFont(font1);
t5.setHorizontalAlignment(JTextField.CENTER);
t5.setLocation(625,300);

JLabel label1=new JLabel("Slot 1");
label1.setForeground(Color.BLACK);
label1.setSize(150,50);
label1.setFont(font1);
label1.setHorizontalAlignment(JTextField.CENTER);
label1.setLocation(50,375);

JLabel labell2=new JLabel("9am to 10am");
labell2.setForeground(Color.BLACK);
labell2.setSize(150,50);
labell2.setFont(font1);
labell2.setHorizontalAlignment(JTextField.CENTER);
labell2.setLocation(225,375);

JLabel label3=new JLabel("Slot 2");
label3.setForeground(Color.BLACK);
label3.setSize(150,50);
```

```java
label3.setFont(font1);
label3.setHorizontalAlignment(JTextField.CENTER);
label3.setLocation(50,425);

JLabel labell4=new JLabel("4pm to 5pm");
labell4.setForeground(Color.BLACK);
labell4.setSize(150,50);
labell4.setFont(font1);
labell4.setHorizontalAlignment(JTextField.CENTER);
labell4.setLocation(225,425);

t6=new JTextField("");
t6.setForeground(Color.BLACK);
t6.setSize(150,50);
t6.setFont(font1);
t6.setHorizontalAlignment(JTextField.CENTER);
t6.setLocation(50,550);


JButton ub1=new JButton("SUBMIT");
ub1.setSize(150,40);
ub1.setLocation(700,150);
ub1.setFont(new Font("Arial", Font.PLAIN, 20));
ub1.setBackground(Color.WHITE);
bl7=new ButtonListener7();
ub1.addActionListener(bl7);

panel.add(j);
panel.add(j1);
panel.add(j3);
panel.add(t1);
panel.add(j2);
panel.add(t2);
panel.add(j4);
panel.add(t3);
panel.add(t4);
panel.add(t5);
panel.add(ub1);
panel.add(label1);
panel.add(labell2);
```

```java
        panel.add(label3);
        panel.add(labell4);
        panel.add(t6);


        panel.setLayout(null);
        f.add(panel);
        panel.setBackground(Color.CYAN);
        f.setDefaultCloseOperation(EXIT_ON_CLOSE);
        f.setSize(1000,1000);
        f.setLayout(null);
        f.setVisible(true);


}
private class ButtonListener7 implements ActionListener
{
    @Override
    public void actionPerformed(ActionEvent a)
    {
            int id = Integer.parseInt(t1.getText());
                String name = t2.getText();
                String Y = t3.getText();
                String D = t4.getText();
                String M = t5.getText();
                int temp = Integer.parseInt(t6.getText());

                String tim="";
                String emel="";
                int adminid=0;
                if(temp==1)
                {
                        tim="09:00:00";
                        emel="suryaaseranmail.com";
                        adminid=1;
                }
                if(temp==2)
                {
                        tim="16:00:00";
                        emel="sayfhussain10mail.com";
```

```java
                            adminid=2;
                    }

                    String dat=Y+"-"+M+"-"+D;
                    System.out.print("The Entered date is:" +dat);



                    write_to_server(id,name,dat,emel,adminid);

        }
    }

    void write_to_server(int id, String name, String dat,String emel,int adminid)
    {
        try
                {
                        Socket sock = new Socket("127.0.0.1",7000);
                        System.out.println("Connection Successfully
Established\n");
                        DataOutputStream op = new
DataOutputStream(sock.getOutputStream());

                        op.writeInt(id);
                        op.writeUTF(name);
                        op.writeUTF(dat);//date + time
                        op.writeInt(adminid);//admin id
                        op.writeUTF(emel);//admin email

                        DataInputStream in = new DataInputStream(new
BufferedInputStream(sock.getInputStream()));
                        int temp = in.readInt();

                        if(temp == 1)
                        {
                                JOptionPane.showMessageDialog(f,"Thank you,
Meeting has been scheduled");
                        }

                        op.close();
```

```java
                }
        catch(IOException e)
                {
                        System.out.println(e);
                }
    }
    public static void main(String[] args)
        {
                        new Inp();
        }
}
```

Admin:

```java
package ooad;

import javax.mail.*;
import javax.mail.internet.*;
import javax.activation.*;
import java.sql.*;
import java.util.Properties;
import java.net.*;
import java.io.*;


public class project
{
	private static int port= 7000;

	public static void main(String args[]) throws ClassNotFoundException
	{
		try
		{
			Socket socket = null;
			ServerSocket server = new ServerSocket(port);
			int i;
			System.out.print("\nServer Started");
			System.out.print("\nWaiting for a client to connect...");

			socket = server.accept();

			System.out.print("\nClient accepted");

			System.out.print("\n~~~~");

			DataInputStream in = new DataInputStream(new
BufferedInputStream(socket.getInputStream()));
			DataOutputStream op = new
DataOutputStream(socket.getOutputStream());
			System.out.print("\nGoing to read data from the stream of
data");
			int travelagencyid = in.readInt();
			String name = in.readUTF();
```

```java
                    String datetime = in.readUTF();
                    int adminid = in.readInt();
                    String adminemail = in.readUTF();
                    System.out.print("\nGoing to read data from the stream of
data");
                    project db = new project();
                    int ret =
db.insertintoDB(travelagencyid,name,datetime,adminid,adminemail);
                    op.writeInt(ret);
                    op.close();
                    in.close();
                    socket.close();
                    server.close();
                    if(ret == 1)
                    {
                            MailClient a = new MailClient();
                            a.mail(datetime);
                    }

            }

            catch (IOException ex)
            {
                    System.out.print("\nERROR :");
                    System.out.print(ex);
            }
    }


    public int insertintoDB(int taid,String name,String datetime, int aid,
String aemail) throws ClassNotFoundException
    {
            int ret=0;
            try
            {
                    String driver ="com.mysql.cj.jdbc.Driver";
                    String url="jdbc:mysql://127.0.0.1:3306/sayf_zakir";
                    String username="root";
                    String password="";
```

```java
                    Class.forName(driver);
                    Connection con = (Connection)
DriverManager.getConnection(url, username, password);

                    System.out.println("\nConnected to the Database");
                    System.out.println("~~~");

                    try(Statement st = (Statement) con.createStatement())
                    {
                            String sql_res= "select * from meeting where
datetime="+datetime+";";
                            ResultSet rs = st.executeQuery(sql_res);
                            if(!rs.next()) {
                            String q = "insert into meeting
(Travelagencyid,Name,Datetime,adminid,adminemail)
values("+taid+",'"+name+"','"+datetime+"',"+aid+",'"+aemail+"');";
                            st.executeUpdate(q);
                            System.out.print("\nMeeting scheduled");
                            ret =1;
                            }
                            else
                                    System.out.print("\nMeeting not scheduled");
                    }
                    con.close();
            }
            catch(Exception e)
            {
                    System.out.print("\nERROR:");
                    System.out.print(e);
            }
            return ret;
    }

}
```

Mail:

```java
package ooad;

import java.util.logging.Level;
import java.util.logging.Logger;
import javax.mail.*;
import javax.mail.internet.*;
import java.util.*;

final class MailClient
{
    private class SMTPAuthenticator extends Authenticator
    {
        private PasswordAuthentication authentication;

        public SMTPAuthenticator(String login, String password)
        {
            authentication = new PasswordAuthentication(login, password);
        }

        @Override
        protected PasswordAuthentication getPasswordAuthentication()
        {
            return authentication;
        }
    }

    public void mail(String date)
    {

        String from = "reuelsayf@gmail.com";
        String to = "surya.seran@gmail.com";
        String subject = "Meeting Scheduled";
        String message = "Hello Mr.Admin, a new meeting has been setup for
you on "+date;
        String login = "reuelsayf@gmail.com";
        String password = "passwordchecker@1";

        Properties props = new Properties();
        props.setProperty("mail.host", "smtp.gmail.com");
```

```java
        props.setProperty("mail.smtp.port", "587");
        props.setProperty("mail.smtp.auth", "true");
        props.setProperty("mail.smtp.starttls.enable", "true");

        Authenticator auth = new SMTPAuthenticator(login, password);

        Session session = Session.getInstance(props, auth);

        MimeMessage msg = new MimeMessage(session);

        try
        {
            msg.setText(message);
            msg.setSubject(subject);
            msg.setFrom(new InternetAddress(from));
            msg.addRecipient(Message.RecipientType.TO,
            new InternetAddress(to));
            Transport.send(msg);
        }
        catch (MessagingException ex)
        {
            Logger.getLogger(MailClient.class.getName()).
            log(Level.SEVERE, null, ex);
        }
    }

}

/*final public class mail
{
    public static void main(String...args)
    {
        new MailClient().mail();
    }
}*/
```