***TRAVEL and TOURISM SYSTEM***

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***Table ofContents***

* ***Acknowledgement***
* ***Project Objective***
* ***Project Scope***
* ***Requirement Specification***
* ***Database Design***
* ***Application of Work Flow Diagram***
* ***Screenshots***
* ***Future Scope Improvements***
* ***Code***
* ***Project Certificate***

***Acknowledgement***

***We take this opportunity to express our profound gratitude and deep regards to our faculty Mr. Ashok Gupta, for his exemplary guidance, monitoring and constant encouragement throughout the course of this project. The blessing, help and guidance given by him from time to time shall carry us a long way in the journey of life on which we will embark.***

***We all worked in this project as a team and gathered all the necessary information in our respective fields required for this project.***

***(SOOUMODIPTA BASU MAJUMDER***

***ARITRA SINHA***

***DEBKANKAN BANERJEE)***

***Project Objective***

***The main objective is to encourage and provide the business as package tour operators, daily passenger service operators, tour operators, travel agents, ship booking agents, carrier service agents, courier service agents to carry on the business of import or export of any item or material related to tour & travels or otherwise, and to act as Money Changers to provide services that may be necessary for the achievement of the aforesaid objects.***

***Project Scope***

***This system is used mainly by the travel agencies and the tourists who wants to visit many places with their family. This system offer variety of travel services that are sure to match all your priorities. It is also used to make strong relationship with the customers so that they can enjoy the holiday of their dreams.***

***Requirement Specification***

* ***Domain Description:***

***JAVA:***

*Java is a general-purpose computer* ***programming language*** *that is concurrent, class-based, object-oriented, and specifically designed to have as few implementation dependencies as possible. It is intended to let application developers* ***“write once, run anywhere” (WORA)****, meaning that compiled Java code can run on all platforms that support Java without the need for recompilation.*

*For example, you can write and compile a Java program on UNIX and run it on Microsoft Windows, Macintosh, or UNIX machine without any modifications to the source code. WORA is achieved by compiling a Java program into an intermediate language called* ***bytecode****. The format of bytecode is* platform-independent*. A virtual machine, called the Java Virtual Machine (JVM), is used to run the bytecode on each platform.*

*Java uses an automatic* ***garbage collector*** *to manage memory in the object lifecycle. The programmer determines when objects are created, and the Java runtime is responsible for recovering the memory once objects are no longer in use. Once no references to an object remain, the unreachable memory becomes eligible to be freed automatically by the garbage collector.*

*Something similar to a memory leak may still occur if a programmer’s code holds a reference to an object that is no longer needed, typically when objects that are no longer needed are stored in containers that are still in use. If methods for a nonexistent object are called, a “****NullPointerException****” is thrown.*

*Garbage collection may happen at any time. Ideally, it will occur when a program is idle. It is guaranteed to be triggered if there is insufficient free memory on the heap to allocate a new object; this can cause a program to stall momentarily. Explicit memory management is not possible in Java.*

***The advantages of Java are as follows:***

* *Java is simple, easy to design , easy to write, and therefore easy to compile, debug, and learn than any other programming languages.*
* *Java is object-oriented, that is used to build modular programs and reusable code in other application.*
* *Java is platform-independent and flexible in nature. The most significant feature of Java is to run a program easily from one computer system to another.*
* *Java works on distributed environment. It is designed to work on distributed computing , Any network programs in Java is same as sending and receiving data to and from a file.*
* *Java is secure. The Java language, compiler, interpreter and runtime environment are  securable .*
* *Java is robust. Robust means reliability. Java  emphasis on  checking for possible errors, as Java compilers are able to detect many error problem in program during the execution of respective program code.*
* *Java supports multithreaded. Multithreaded is the path of execution for a program to perform several tasks simultaneously within a program. The  java come with the concept of Multithreaded Program. In other languages, operating system-specific procedures have to be called in order to work on multithreading.*

***Java Technology Changes  Our Life***

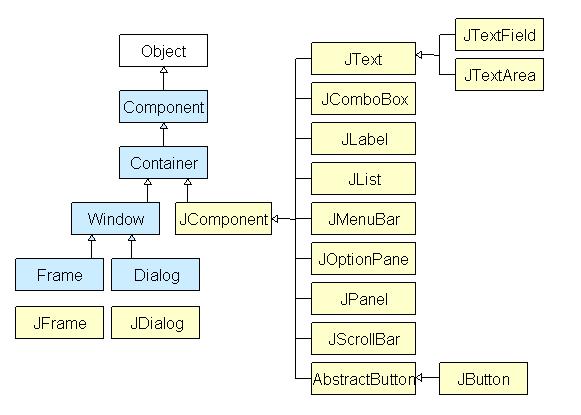
* ***Easy to Start****:  Since Java programming language is completely based on  object-oriented language, it's easy very simple and easy to learn, especially for programmers already known with C or C++.*
* ***Easy to write code****: As compared to program metrics (class counts, method counts, and so on) tell us that a program written in the Java programming language can be four times smaller as compare to the same program written in C++.*
* ***Write better code****: The Java programming language encourages good coding practices, and manages automatic garbage collection which  helps you avoid memory leaks. Based on the concept of  object orientation, its Java Beanscomponent architecture, and  wide-range, easily extendible, flexibility and API  can reuse existing, tested code and introduce fewer bugs.*
* ***Develop programs and Time Safer****: The Java programming language is easier and simpler than C++,  as such, manages your development time  upto twice as fast when writing in it. The programs will also require fewer lines of code.*
* ***Platform Independencies****: The program  keep portable and platform independent by avoiding the use of libraries written in other languages.*
* ***Write Once and Used in any Java Platform*** *: Any Source code of Program  are written in the Java programming language, that is compiled into machine-independent byte codes and run consistently on any platform of java.*
* ***Distribute software makes work easy*** *: Using Java Web Start software, users will be able to launch own applications with a single click on mouse. An automatic version check initially  weather users are always up to date with the latest version of your software. If an update is available for it, the Java Web Start software will automatically update their installation.*

***JAVA SWING:***

*Java Swing is a lightweight Java graphical user interface (GUI) widget toolkit that includes a rich set of widgets. It is part of the Java Foundation Classes (JFC) and includes several packages for developing rich desktop applications in Java. Swing includes built-in controls such as trees, image buttons, tabbed panes, sliders, toolbars, color choosers, tables, and text areas to display HTTP or rich text format (RTF). Swing components are written entirely in Java and thus are platform-independent.*

*Swing offers customization of the look and feel of every component in an application without making significant changes to the application code. It also includes a pluggable look and feel feature, which allows it to emulate the appearance of native components while still having the advantage of platform independence. This particular feature makes writing applications in Swing easy and distinguishes it from other native programs.  
  
Swing was distributed as a downloadable library and has been included as a part of Java standard edition 1.2. Originally, the graphics library for Java, developed by Netscape Communication Corporation, was called Internet Foundation Classes (IFC). The first release of IFC was on December 16, 1996. The evolution of JFC can be traced back to 1997, when Sun Microsystems and Netscape Communication Corporation came up with the idea of merging IFC with other technologies.*

***Java Swing class Hierarchy Diagram :***

[](https://www.guru99.com/images/uploads/2012/06/java-swing-class-hierarchy.jpg)

***Use of Java Swing:***

*We use Java Swing for our GUI development. It's a lot more powerful than the original AWT, and the price is right. In particular, we try to use the "Bean format" of setting and getting members, call-backs to notify of changes, etc, to make it easier to build applications from JMRI components.*

*We have been evolving a particular pattern for using Swing, described here. The JMRI codebase contains several generations of implementations, so not all of it looks like this, but we're moving classes in this direction as time allows.*

*The basic structure is to implement graphical tools as JmriPanel objects. These are JPanels with enough extra structure that the JMRI applications can directly work them. For example, a JmriPanel subclass can be instantiated and placed in a properly laid out window by creating a JmriNamedPanel action with just the name of the JmriPanel class, which in turn can be done with various automated tools.*

*This pattern lets us write a tool panel just once, and then use it in lots of various places, embedded into windows in several ways. It also greatly reduces the number of classes that need to be loaded at startup time, because there are not separate \*Action and \*Frame classes, and JmriPanel subclasses don't have to be loaded just because they are listed in a menu.*

* ***Problem Defination:***
* ***The first error comes out is the implementation of ActionListener.***
* ***The second error is in getter and setters.***
* ***Functional Requirements:***

*The various functions required are:*

*1. Clear form() - to clear form content.*

*2. addbook() - to add to the booking event by the user if needed.*

*3. deletebook()- to delete the booking event by the user if needed.*

*4. updatepackage()- to make changes in the package event by the user if needed.*

*5. addbook()- it adds all the booking agent.*

*6. viewAllBook()- it views all the booking agent.*

*7. addPackage()- it adds all the package agent.*

*8. viewAllPackage()- it views all the package event.*

*9. readRecord1()- to read all package data.*

*10. readRecord2()- to read all booking data.*

*11. saveRecord()- to save all package data.*

*12. saveRecord1()- to save all booking data.*

*13. getBook()- it returns total number of bookings.*

* ***Hardware/Software Requirements:***
* ***Hardware requirement:***
* ***Client side:***
  1. ***Processor: Intel(R) Core(TM) i5-8250U CPU @ 1.60GHz, 1800 Mhz, 4 Core(s), 8 Logical Processor(s).***
  2. ***RAM: 8GB***
* ***Software requirement:***
* ***Client side:***
  + 1. ***Operating System- Windows 10.***
    2. ***JRE***

***.Database Design***

***As we are using Java Swing instead of any database so we do not have any database design. We are using here java file instead of any database, so we do not need any design for that.Application Work Flow***

Package id

***Package***

***Screenshots***

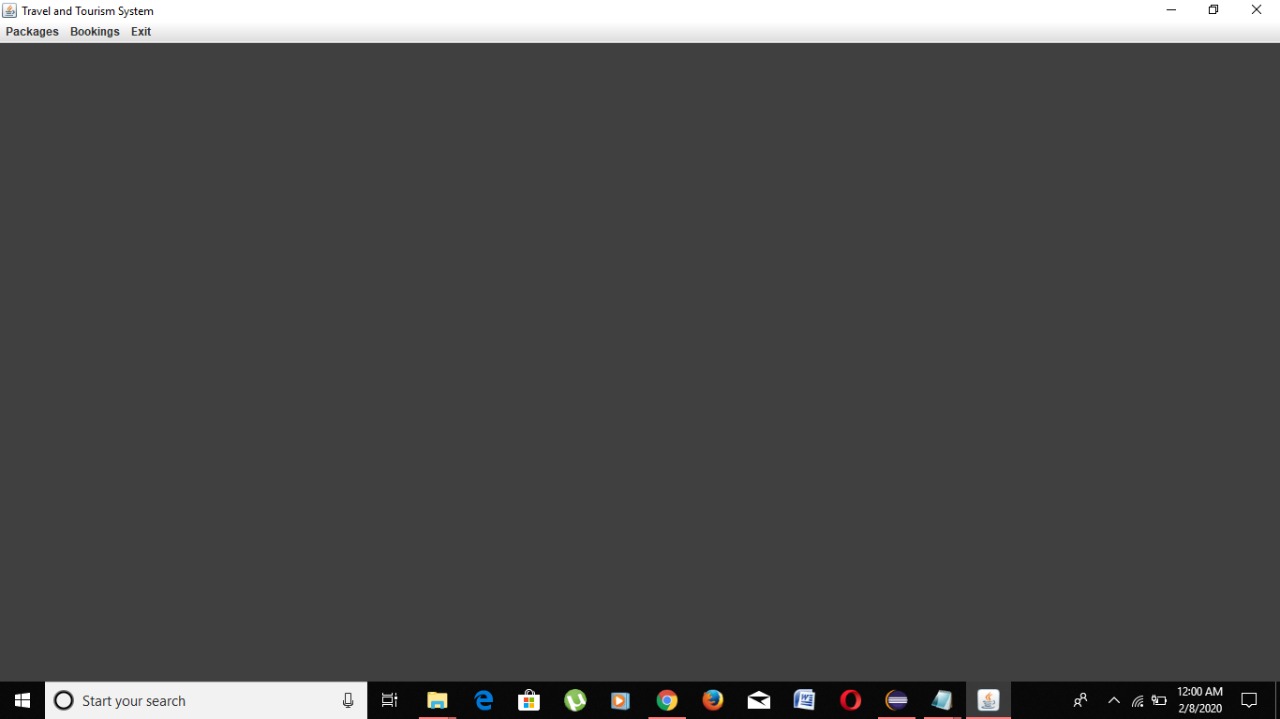
Package description

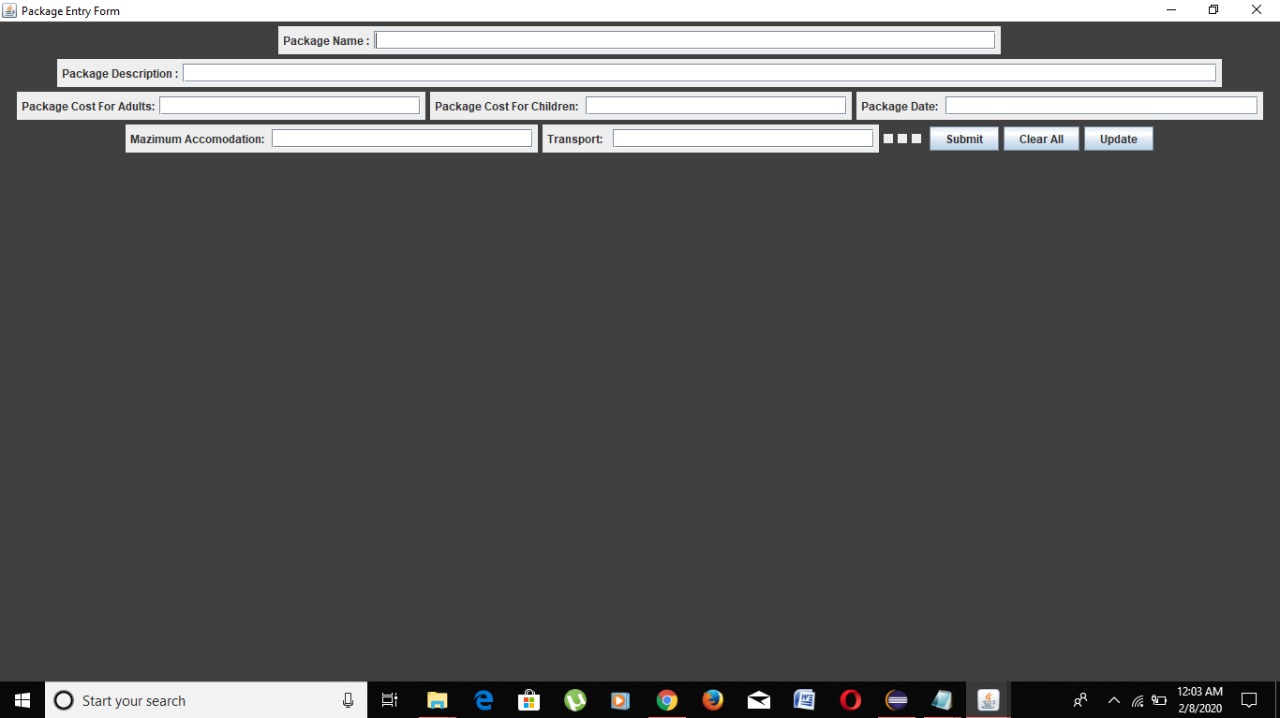
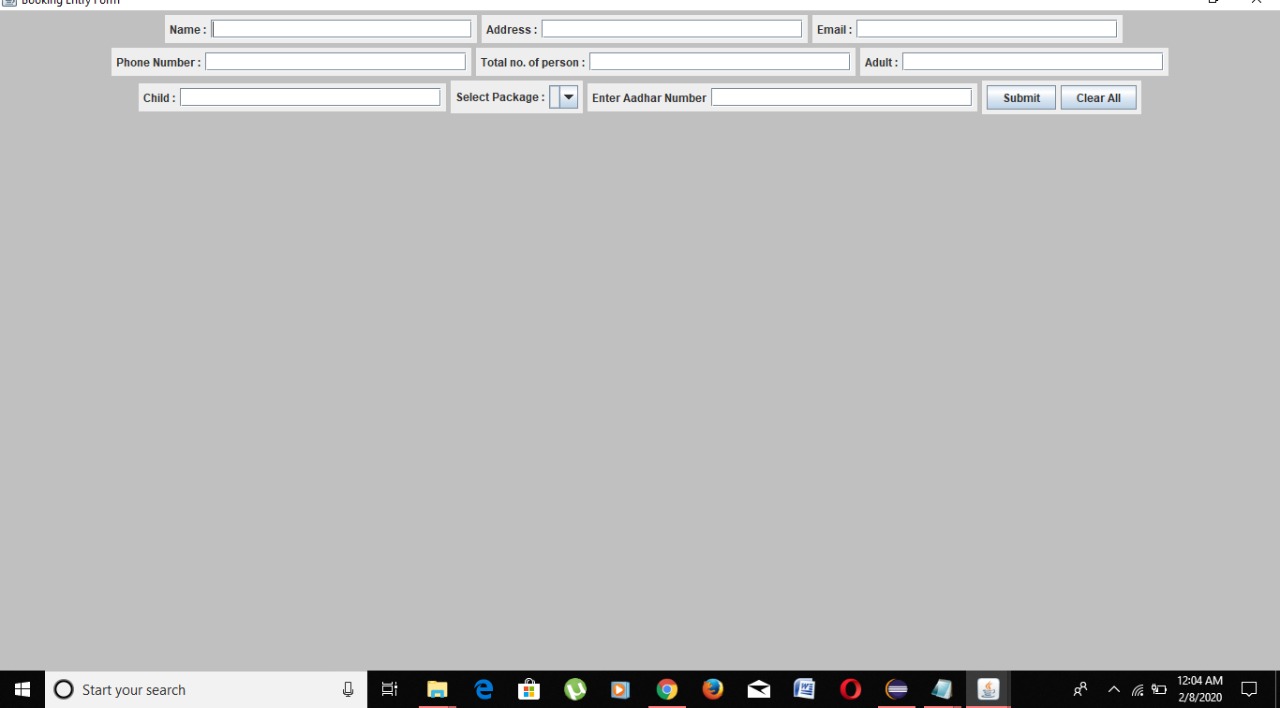
Booking description

Booking id

Booking

***Has***

******



***Future Scope of Improvements***

* ***Any tourist agency can make use of it for saving customer details in database.***
* ***Tourism group can use it for managing their location , hotel, vehicles details.***
* ***This application can easily implemented under various situations .***
* ***We can add new features as and when we require.***
* ***Reusability of this application is also possible.***
* ***We will include more functionality as per the user requirements.***
* ***We want to improve our home page, as it is the main thing which attracts all user.***
* ***Has potential commercial benefits.***
* ***Can benefit to promote tourism in our country***

***Code***

1. ***allPackages:***

***import java.awt.BorderLayout;***

***import java.util.ArrayList;***

***import java.util.Vector;***

***import javax.swing.JFrame;***

***import javax.swing.JScrollPane;***

***import javax.swing.JTable;***

***public class allPackages extends JFrame{***

***JTable jtable=null;***

***public allPackages()***

***{***

***Vector lstrow=packageCollection.getAllBook1();***

***Vector columns=new Vector();***

***columns.add(" ID");***

***columns.add("Package Name");***

***columns.add("Description");***

***columns.add("Cost(Adult)");***

***columns.add("Cost(Children");***

***columns.add("Quantity");***

***columns.add("Date");***

***columns.add("Mode of Transport");***

***JFrame frame=new JFrame();***

***jtable=new JTable(lstrow,columns);***

***JScrollPane scroller = new JScrollPane( jtable );***

***getContentPane().add(scroller, BorderLayout.CENTER );***

***pack();***

***setVisible(true);***

***}***

***}***

1. ***calMain:***

***import java.io.File;***

***import java.io.FileInputStream;***

***import java.io.FileOutputStream;***

***import java.io.IOException;***

***import java.io.ObjectInputStream;***

***import java.io.ObjectOutputStream;***

***import java.util.ArrayList;***

***import javax.swing.JOptionPane;***

***public class callMain {***

***public static boolean saveRecord1() throws IOException {***

***FileOutputStream filestream=null;***

***ObjectOutputStream output=null;***

***boolean save=false;***

***try***

***{***

***//creating stream object and file also***

***filestream=new FileOutputStream(new File("package.dat"));***

***//creating ObjectOutputStream to store the object in a file***

***output = new ObjectOutputStream(filestream);***

***output.writeObject(packageCollection.getAllPackage());***

***save=true;***

***}***

***catch(Exception err)***

***{***

***JOptionPane.showMessageDialog(null, "Error :"+err.getMessage());***

***}***

***finally***

***{***

***if(filestream!=null)***

***{***

***output.close();***

***filestream.close();***

***}***

***}***

***return save;***

***}***

***public static void ReadRecord1() throws IOException {***

***FileInputStream filestream=null;***

***ObjectInputStream input=null;***

***boolean save=false;***

***try***

***{***

***//creating stream object and file also***

***filestream=new FileInputStream(new File("package.dat"));***

***//creating ObjectOutputStream to store the object in a file***

***input= new ObjectInputStream(filestream);***

***packageCollection.lst=(ArrayList<packages>) input.readObject();***

***}***

***catch(Exception err)***

***{***

***JOptionPane.showMessageDialog(null, "Error :"+err.getMessage());***

***}***

***finally***

***{***

***if(filestream!=null)***

***{***

***input.close();***

***filestream.close();***

***}***

***}***

***}***

***public static boolean saveRecord2() throws IOException {***

***FileOutputStream filestream=null;***

***ObjectOutputStream output=null;***

***boolean save=false;***

***try***

***{***

***//creating stream object and file also***

***filestream=new FileOutputStream(new File("booking.dat"));***

***//creating ObjectOutputStream to store the object in a file***

***output = new ObjectOutputStream(filestream);***

***output.writeObject(clsBookCollection.getAllBook());***

***save=true;***

***}***

***catch(Exception err)***

***{***

***JOptionPane.showMessageDialog(null, "Error :"+err.getMessage());***

***}***

***finally***

***{***

***if(filestream!=null)***

***{***

***output.close();***

***filestream.close();***

***}***

***}***

***return save;***

***}***

***public static void ReadRecord2() throws IOException {***

***FileInputStream filestream=null;***

***ObjectInputStream input=null;***

***boolean save=false;***

***try***

***{***

***//creating stream object and file also***

***filestream=new FileInputStream(new File("booking.dat"));***

***//creating ObjectOutputStream to store the object in a file***

***input= new ObjectInputStream(filestream);***

***clsBookCollection.lstBook=(ArrayList<clsbook>) input.readObject();***

***}***

***catch(Exception err)***

***{***

***JOptionPane.showMessageDialog(null, "Error :"+err.getMessage());***

***}***

***finally***

***{***

***if(filestream!=null)***

***{***

***input.close();***

***filestream.close();***

***}***

***}***

***}***

***public static void main(String[] args) {***

***// TODO Auto-generated method stub***

***try***

***{***

***ReadRecord1();***

***ReadRecord2();***

***new frmMenu();***

***}***

***catch(Exception err)***

***{***

***JOptionPane.showMessageDialog(null, err.getMessage());***

***}***

***}***

***}***

1. ***clsAllBooks:***

***import java.awt.BorderLayout;***

***import java.util.ArrayList;***

***import java.util.Vector;***

***import javax.swing.JFrame;***

***import javax.swing.JScrollPane;***

***import javax.swing.JTable;***

***public class clsAllBooks extends JFrame{***

***JTable jtable=null;***

***public clsAllBooks()***

***{***

***Vector lstrow=clsBookCollection.getAllBook1();***

***Vector columns=new Vector();***

***columns.add("Customer ID");***

***columns.add("Customer Name");***

***columns.add("Address");***

***columns.add("Email id");***

***columns.add("Phone Number");***

***columns.add("Total no of person");***

***columns.add("No of Adults");***

***columns.add("No of Children");***

***columns.add("Aadhar Details");***

***JFrame frame=new JFrame();***

***jtable=new JTable(lstrow,columns);***

***JScrollPane scroller = new JScrollPane( jtable );***

***getContentPane().add(scroller, BorderLayout.CENTER );***

***pack();***

***setVisible(true);***

***}***

***}***

1. ***clsBook:***

***import java.io.Serializable;***

***public class clsbook extends packages {***

***private String bookid;***

***private String address;***

***private String name;***

***private String phone;***

***private String email;***

***private double person;***

***private double adult;***

***private double child;***

***private String aadhar;***

***public clsbook() {***

***this.bookid = "";***

***this.address="";***

***this.name = "";***

***this.phone = "";***

***this.email = "";***

***this.person = 0;***

***this.aadhar = "";***

***this.child = 0;***

***this.adult = 0;***

***}***

***/\*\****

***\* @param bookid***

***\* @param name***

***\* @param publisher***

***\* @param author***

***\* @param price***

***\* @param issued***

***\*/***

***public clsbook(String bookid, String name, String address, String email,String phone,***

***double person,double adult,double child,String aadhar) {***

***this.bookid = bookid;***

***this.name = name;***

***this.address = address;***

***this.aadhar = aadhar;***

***this.email = email;***

***this.phone = phone;***

***this.person = person;***

***this.child = child;***

***this.adult = adult;***

***}***

***public String getBookid() {***

***return bookid;***

***}***

***public void setBookid(String bookid) {***

***this.bookid = bookid;***

***}***

***public String getAddress() {***

***return address;***

***}***

***public void setAddress(String address) {***

***this.address = address;***

***}***

***public String getName() {***

***return name;***

***}***

***public void setName(String name) {***

***this.name = name;***

***}***

***public String getPhone() {***

***return phone;***

***}***

***public void setPhone(String phone) {***

***this.phone = phone;***

***}***

***public String getEmail() {***

***return email;***

***}***

***public void setEmail(String email) {***

***this.email = email;***

***}***

***public double getPerson() {***

***return person;***

***}***

***public void setPerson(double person) {***

***this.person = person;***

***}***

***public double getAdult() {***

***return adult;***

***}***

***public void setAdult(double adult) {***

***this.adult = adult;***

***}***

***public double getChild() {***

***return child;***

***}***

***public void setChild(double child) {***

***this.child = child;***

***}***

***public String getAadhar() {***

***return aadhar;***

***}***

***public void setAadhar(String aadhar) {***

***this.aadhar = aadhar;}}***

1. ***clsBookCollection:***

***import java.awt.print.Book;***

***import java.util.ArrayList;***

***import java.util.Vector;***

***import javax.swing.JOptionPane;***

***public class clsBookCollection {***

***public static ArrayList<clsbook> lstBook=***

***new ArrayList<clsbook>();***

***private static Vector lstBook2=***

***new Vector();***

***public static boolean AddBook(clsbook newbook )***

***{***

***boolean inserted=true;***

***//add to arraylist***

***lstBook.add(newbook);***

***return inserted;***

***}***

***//method to return no of book***

***public static int getBooks() {***

***return lstBook.size();***

***}***

***//method to Remove Book by id***

***public static int removeBook(clsbook oldbook )***

***{***

***//search found delete***

***int found=0;***

***for (clsbook book : lstBook) {***

***if(book.getBookid().equals(oldbook.getBookid()))***

***{***

***lstBook.remove(oldbook);***

***found=1;***

***break;***

***}***

***}***

***return found;***

***}***

***public static int removeBook(String bookid )***

***{***

***//search found delete***

***int found=0;***

***for (clsbook book : lstBook) {***

***if(book.getBookid().equals(bookid))***

***{***

***lstBook.remove(book);***

***found=1;***

***break;***

***}***

***}***

***return found;***

***}***

***//get all book***

***public static ArrayList<clsbook> getAllBook()***

***{***

***return lstBook;***

***}***

***public static Vector<clsbook> getAllBook1()***

***{***

***lstBook2.removeAllElements();***

***Vector rowdata=new Vector();***

***lstBook2.removeAll(rowdata);***

***for (clsbook book : lstBook) {***

***rowdata=new Vector();***

***rowdata.addElement(book.getBookid());***

***rowdata.addElement(book.getName());***

***rowdata.addElement(book.getAddress());***

***rowdata.addElement(book.getEmail());***

***rowdata.addElement( book.getPhone());***

***rowdata.addElement( book.getPerson());***

***rowdata.addElement( book.getAdult());***

***rowdata.addElement( book.getChild());***

***rowdata.addElement( book.getAadhar());***

***lstBook2.addElement(rowdata);***

***}***

***return lstBook2;***

***}***

***//method to update Book by id***

***public static int UpdateBook(clsbook updatebook )***

***{***

***//search found update***

***int update=0;***

***for (clsbook book : lstBook) {***

***if(book.getBookid().equals(updatebook.getBookid()))***

***{***

***book.setName(updatebook.getName());***

***//book.setAuthor(updatebook.getAuthor());***

***//book.setPublisher(updatebook.getPublisher());***

***//book.setPrice(updatebook.getPrice());***

***update=1;***

***break;***

***}***

***}***

***return update;***

***}***

***//method to Search Book by id***

***public static clsbook SearchBook(String bookid )***

***{***

***//search found update***

***clsbook bookfound=null;***

***for (clsbook book : lstBook) {***

***if(book.getBookid().equals(bookid))***

***{***

***bookfound=book;***

***break;***

***}***

***}***

***return bookfound;***

***}***

***public static String generateBookID(String firstchar )***

***{***

***//JOptionPane.showMessageDialog(null, firstchar);***

***//search found update***

***int totfound=1001;***

***for (clsbook book : lstBook) {***

***if(book.getName().startsWith(firstchar))***

***{***

***totfound++;***

***}***

***}***

***//convert integer to String***

***String bookid=firstchar+(String.valueOf(totfound)).substring(1);***

***return bookid;***

***}***

***}***

1. ***clsBookForm:***

***import java.awt.Color;***

***import java.awt.Dimension;***

***import java.awt.FlowLayout;***

***import java.awt.Frame;***

***import java.awt.event.ActionEvent;***

***import java.awt.event.ActionListener;***

***import java.awt.event.ItemEvent;***

***import java.awt.event.ItemListener;***

***import java.io.File;***

***import java.io.FileOutputStream;***

***import java.io.IOException;***

***import java.io.ObjectOutputStream;***

***import java.util.ArrayList;***

***import java.awt.GridBagConstraints;***

***import java.awt.GridBagLayout;***

***import javax.swing.ImageIcon;***

***import javax.swing.JButton;***

***import javax.swing.JComboBox;***

***import javax.swing.JFrame;***

***import javax.swing.JLabel;***

***import javax.swing.JOptionPane;***

***import javax.swing.JPanel;***

***import javax.swing.JTextField;***

***public class clsBookForm extends JFrame {***

***private JLabel lblid,lblid1,lblpid,lblname,lbladdress,lblemail,lblphone,lblperson***

***,lblpackage,lbladult,lblchild,lblbookdate,lblaadhar;***

***private JTextField txtname,txtaddress,txtemail,txtphone,txtperson,txtadult,txtchild***

***,txtbookdate,txtaadhar;***

***private JButton btnsubmit,btnclear,btncallupdate;***

***private JFrame frm=null;***

***private JComboBox cmbbook=null;***

***//constructor***

***public clsBookForm()***

***{***

***//set the jlabel and textbox***

***lblid=new JLabel("Book ID :");***

***lblaadhar=new JLabel("Enter Aadhar Number");***

***lblpackage=new JLabel("Select Package :");***

***lblname=new JLabel("Name :");***

***lbladdress=new JLabel("Address :");***

***lblemail=new JLabel("Email :");***

***lblphone=new JLabel("Phone Number :");***

***lblperson=new JLabel("Total no. of person :");***

***lbladult=new JLabel("Adult :");***

***lblchild=new JLabel("Child :");***

***txtname=new JTextField(25);***

***txtaddress=new JTextField(25);***

***txtemail=new JTextField(25);***

***txtphone=new JTextField(25);***

***txtperson=new JTextField(25);***

***txtadult=new JTextField(25);***

***txtchild=new JTextField(25);***

***txtaadhar=new JTextField(25);***

***btnsubmit=new JButton("Submit");***

***btnsubmit.addActionListener(new myHandler());***

***btnclear=new JButton("Clear All");***

***btnclear.addActionListener(new myHandler());***

***frm=new JFrame("Booking Entry Form");***

***frm.getContentPane().setBackground( Color.lightGray);***

***frm.setLayout(new FlowLayout());***

***JLabel background=new JLabel(new ImageIcon("ICONS\\CLOWN.GIF"));***

***frm.add(background);***

***background.setLayout(new FlowLayout());***

***//background.add(label1);***

***//background.add(lblbookid);***

***//btncallupdate.addActionListener(new myHandler());***

***JPanel panel = new JPanel();***

***JPanel panel1 = new JPanel();***

***JPanel panel2 = new JPanel();***

***JPanel panel3 = new JPanel();***

***JPanel panel4 = new JPanel();***

***JPanel panel5 = new JPanel();***

***JPanel panel6 = new JPanel();***

***JPanel panel7 = new JPanel();***

***JPanel panel8 = new JPanel();***

***JPanel panel9 = new JPanel();***

***JPanel panel10 = new JPanel();***

***cmbbook=new JComboBox();***

***GridBagLayout layout = new GridBagLayout();***

***panel.setLayout(layout);***

***GridBagConstraints gbc = new GridBagConstraints();***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 0;***

***gbc.gridy = 0;***

***panel1.add(lblname, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 0;***

***gbc.gridy = 1;***

***panel1.add(txtname, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 1;***

***gbc.gridy = 0;***

***panel2.add(lbladdress, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 1;***

***gbc.gridy = 1;***

***panel2.add(txtaddress, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 2;***

***gbc.gridy = 0;***

***panel3.add(lblemail, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 2;***

***gbc.gridy = 1;***

***panel3.add(txtemail, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 3;***

***gbc.gridy = 0;***

***panel4.add(lblphone, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 3;***

***gbc.gridy = 1;***

***panel4.add(txtphone, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 4;***

***gbc.gridy = 0;***

***panel5.add(lblperson, gbc);gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 4;***

***gbc.gridy = 1;***

***panel5.add(txtperson, gbc);gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 5;***

***gbc.gridy = 0;***

***panel6.add(lbladult, gbc);gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 5;***

***gbc.gridy = 1;***

***panel6.add(txtadult, gbc);gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 6;***

***gbc.gridy = 0;***

***panel7.add(lblchild, gbc);gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 6;***

***gbc.gridy = 1;***

***panel7.add(txtchild, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 7;***

***gbc.gridy = 0;***

***panel8.add(lblpackage, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 7;***

***gbc.gridy = 1;***

***panel8.add(cmbbook, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 8;***

***gbc.gridy = 0;***

***panel9.add(lblaadhar, gbc);gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 8;***

***gbc.gridy = 1;***

***panel9.add(txtaadhar, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 9;***

***gbc.gridy = 0;***

***panel10.add(btnsubmit, gbc);gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 9;***

***gbc.gridy = 1;***

***panel10.add(btnclear, gbc);***

***frm.add(panel1);***

***frm.add(panel2);***

***frm.add(panel3);***

***frm.add(panel4);***

***frm.add(panel5);***

***frm.add(panel6);***

***frm.add(panel7);***

***frm.add(panel8);***

***frm.add(panel9);***

***frm.add(panel10);***

***populateBook();***

***frm.setVisible(true);***

***frm.setSize(400, 400);***

***}***

***private void clearForm()***

***{***

***txtname.setText("");***

***txtaddress.setText("");***

***txtemail.setText("");***

***txtphone.setText("");***

***txtperson.setText("");***

***txtadult.setText("");***

***txtchild.setText("");***

***txtaadhar.setText("");***

***}***

***private void populateBook()***

***{***

***ArrayList<packages> lst=packageCollection.getAllPackage();***

***cmbbook.removeAllItems();***

***for (packages book : lst) {***

***cmbbook.addItem(book.getPid()+"-"+book.getPname());***

***}***

***}***

***class myHandler implements ActionListener,ItemListener***

***{***

***@Override***

***public void actionPerformed(ActionEvent e) {***

***if(e.getActionCommand().equals("Submit"))***

***{***

***clsbook objbook=new clsbook();***

***if(txtname.getText().trim().length()>=1)***

***{***

***String pack= cmbbook.getSelectedItem().toString();***

***//checl the possiton of '-'***

***int startpos=pack.indexOf('-');***

***//get the value before '-'***

***String id=pack.substring(0,startpos);***

***//pass the book id return object of clsbook class***

***packages obj=packageCollection.SearchPackage(id);***

***if(obj!=null)***

***{***

***double d=obj.calculate(Double.parseDouble(txtadult.getText()), Double.parseDouble(txtchild.getText()));***

***JOptionPane.showMessageDialog(null, "The Total Amount to be paid:"+d);***

***objbook.setAadhar(txtaadhar.getText());***

***objbook.setAddress(txtaddress.getText());***

***objbook.setAdult(Double.parseDouble(txtadult.getText()));***

***objbook.setChild(Double.parseDouble(txtchild.getText()));***

***objbook.setEmail(txtemail.getText());***

***objbook.setName(txtname.getText());***

***//objbook.setPdate(txtbookdate.getText());***

***objbook.setPhone(txtphone.getText());;***

***clsBookCollection.AddBook(objbook);***

***try {***

***callMain.saveRecord2();***

***JOptionPane.showMessageDialog(null, "Package is Addedd Sucessfully ");***

***} catch (IOException e1) {***

***// TODO Auto-generated catch block***

***e1.printStackTrace();***

***}***

***}***

***}***

***else***

***{***

***JOptionPane.showMessageDialog(null, "Please provide name");***

***return;***

***}***

***if(txtaddress.getText().trim().length()>=1)***

***{***

***objbook.setAddress(txtaddress.getText());***

***}***

***else***

***{***

***JOptionPane.showMessageDialog(null, "Please provide Address");***

***return;***

***}***

***if(txtemail.getText().trim().length()>=1)***

***{***

***objbook.setEmail(txtemail.getText());***

***}***

***else***

***{***

***JOptionPane.showMessageDialog(null, "Please provide Email id");***

***return;***

***}***

***if(txtphone.getText().trim().length()>=1)***

***{***

***objbook.setPhone(txtphone.getText());***

***}***

***else***

***{***

***JOptionPane.showMessageDialog(null, "Please provide Contact Number");***

***return;***

***}***

***if(txtaadhar.getText().trim().length()>=1)***

***{***

***objbook.setAadhar(txtaadhar.getText());***

***}***

***else***

***{***

***JOptionPane.showMessageDialog(null, "Please provide Aadhar Details");***

***return;***

***}***

***if(txtperson.getText().trim().length()>=1)***

***{***

***try***

***{***

***double price=Double.parseDouble***

***( txtperson.getText().trim());***

***objbook.setPerson(Double.parseDouble***

***( txtperson.getText().trim()));***

***}***

***catch(NumberFormatException ex)***

***{***

***JOptionPane.showMessageDialog(null, "Invalid number of person");***

***return;***

***}***

***}***

***else***

***{***

***JOptionPane.showMessageDialog(null, "Please provide no of person for travelling");***

***return;***

***}***

***if(txtadult.getText().trim().length()>=1)***

***{***

***try***

***{***

***double price=Double.parseDouble***

***( txtadult.getText().trim());***

***objbook.setAdult(Double.parseDouble***

***( txtadult.getText().trim()));***

***}***

***catch(NumberFormatException ex)***

***{***

***JOptionPane.showMessageDialog(null, "Invalid number of Adults");***

***return;***

***}***

***}***

***else***

***{***

***JOptionPane.showMessageDialog(null, "Please provide no of Adults");***

***return;***

***}***

***if(txtchild.getText().trim().length()>=1)***

***{***

***try***

***{***

***double price=Double.parseDouble***

***( txtchild.getText().trim());***

***objbook.setChild(Double.parseDouble***

***( txtchild.getText().trim()));***

***}***

***catch(NumberFormatException ex)***

***{***

***JOptionPane.showMessageDialog(null, "Invalid number of Child");***

***return;***

***}***

***}***

***else***

***{***

***JOptionPane.showMessageDialog(null, "Please provide no of Children below 3 years");***

***return;***

***}***

***/\* if(((txtadult.getText().trim().length())+(txtchild.getText().trim()***

***.length()))!=(txtperson.getText().trim().length()))***

***{***

***JOptionPane.showMessageDialog(null,"Please make sure Children + Adults should be equal to No of person");***

***return;}\*/***

***String newbookid= clsBookCollection.generateBookID***

***(objbook.getName().substring(0,1));***

***objbook.setBookid(newbookid);***

***clsBookCollection.AddBook(objbook);***

***try {***

***callMain.saveRecord2();***

***JOptionPane.showMessageDialog(null, "Booking Added Sucessfully with "***

***+ "Journey Code "+newbookid);***

***}***

***catch (IOException e1) {***

***// TODO Auto-generated catch block***

***JOptionPane.showMessageDialog(null, "Error :"+e1.getMessage());***

***}***

***clearForm();***

***if(e.getActionCommand().equals("Clear All"))***

***{***

***clearForm();***

***}***

***} }***

***@Override***

***public void itemStateChanged(ItemEvent e) {***

***// TODO Auto-generated method stub***

***String s;***

***s=e.getItem().toString();***

***}***

***}}***

1. ***deletebook:***

***import java.awt.Color;***

***import java.awt.GridBagConstraints;***

***import java.awt.GridBagLayout;***

***import java.awt.event.ActionEvent;***

***import java.awt.event.ActionListener;***

***import javax.swing.JButton;***

***import javax.swing.JFrame;***

***import javax.swing.JLabel;***

***import javax.swing.JOptionPane;***

***import javax.swing.JPanel;***

***import javax.swing.JTextField;***

***public class deletebook extends JFrame{***

***private JLabel lbl;***

***private JTextField txt;***

***private JButton btn;***

***JFrame f=null;***

***public deletebook() {***

***f=new JFrame("Delete Record");***

***lbl=new JLabel("Enter Journey id");***

***txt = new JTextField(25);***

***btn=new JButton("Delete");***

***btn.addActionListener(new myhandler());***

***GridBagLayout layout = new GridBagLayout();***

***GridBagConstraints gbc = new GridBagConstraints();***

***JPanel p1=new JPanel();***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 0;***

***gbc.gridy = 0;***

***p1.add(lbl, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 1;***

***gbc.gridy = 1;***

***p1.add(txt, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 1;***

***gbc.gridy = 2;***

***p1.add(btn, gbc);***

***f.add(p1);***

***f.getContentPane().setBackground(Color.darkGray);***

***f.setSize(400,250);***

***f.setVisible(true);***

***}***

***class myhandler implements ActionListener{***

***@Override***

***public void actionPerformed(ActionEvent e) {***

***// TODO Auto-generated method stub***

***if(e.getActionCommand().equals("Delete"))***

***{***

***int result=clsBookCollection.removeBook(txt.getText().trim());***

***if(result==1)***

***{***

***JOptionPane.showMessageDialog(null, "Record deleted Successfully");***

***txt.setText("");***

***}***

***else***

***{***

***JOptionPane.showMessageDialog(null, "Record doesn't exist");***

***}***

***}***

***}}}***

1. ***frmMenu:***

***import java.awt.BorderLayout;***

***import java.awt.Color;***

***import java.awt.Font;***

***import java.awt.Label;***

***import java.awt.event.ActionEvent;***

***import java.awt.event.ActionListener;***

***import javax.swing.ImageIcon;***

***import javax.swing.JFrame;***

***import javax.swing.JLabel;***

***import javax.swing.JMenu;***

***import javax.swing.JMenuBar;***

***import javax.swing.JMenuItem;***

***import javax.swing.JOptionPane;***

***import javax.swing.text.StyledEditorKit.BoldAction;***

***import javax.swing.text.StyledEditorKit.ItalicAction;***

***public class frmMenu extends JFrame {***

***public frmMenu()***

***{***

***JLabel bk;***

***JMenuBar mbar=new JMenuBar();***

***//now object of menu***

***JMenu menu=new JMenu("Packages");***

***JMenu menu1=new JMenu("Bookings");***

***JMenu menu2=new JMenu("Exit");***

***JMenuItem menu2item1=new JMenuItem("Yes");***

***JMenuItem menu2item2=new JMenuItem("No");***

***menu2item1.addActionListener(new MyHandler());***

***menu2item2.addActionListener(new MyHandler());***

***JMenuItem menu1item=new JMenuItem("View All Bookings");***

***JMenuItem menu1item1=new JMenuItem("Add a Booking");***

***JMenuItem menu1item2=new JMenuItem("Delete a Booking");***

***menu1item.addActionListener(new MyHandler());***

***menu1item1.addActionListener(new MyHandler());***

***menu1item2.addActionListener(new MyHandler());***

***JMenu menu3=new JMenu("Exit");***

***JMenuItem menu3item=new JMenuItem("Close");***

***menu3item.addActionListener(new MyHandler());***

***JMenuItem menuitem=new JMenuItem("View all Packages");***

***//menuitem.addActionListener(new MyHandler());***

***JMenuItem menuitem1=new JMenuItem("Add Package");***

***//menuitem1.addActionListener(new MyHandler());***

***JMenuItem menuitem2=new JMenuItem("Delete Package");***

***//menuitem2.addActionListener(new MyHandler());***

***JMenuItem menuitem3=new JMenuItem("Update Package");***

***//menuitem3.addActionListener(new MyHandler());***

***menuitem.addActionListener(new MyHandler());***

***menuitem1.addActionListener(new MyHandler());***

***menuitem2.addActionListener(new MyHandler());***

***menuitem3.addActionListener(new MyHandler());***

***menu.add(menuitem);***

***menu.add(menuitem1);***

***menu.add(menuitem2);***

***menu.add(menuitem3);***

***menu2.add(menu2item1);***

***menu2.add(menu2item2);***

***menu1.add(menu1item);***

***menu1.add(menu1item1);***

***menu1.add(menu1item2);***

***//add the menu to menubar***

***mbar.add(menu);***

***mbar.add(menu1);***

***mbar.add(menu2);***

***JFrame frame=new JFrame("Travel and Tourism System");***

***frame.setLayout(new BorderLayout());***

***frame.getContentPane().setBackground(Color.darkGray);***

***frame.add(BorderLayout.NORTH,mbar);***

***ImageIcon img = new ImageIcon("E:\\rr.jpg");***

***bk=new JLabel(" ",img,JLabel.CENTER);***

***bk.setBounds(0,0,800,800);***

***frame.add(bk);***

***frame.setVisible(true);***

***frame.setSize(800,800);***

***}***

***public class MyHandler implements ActionListener***

***{***

***@Override***

***public void actionPerformed(ActionEvent e) {***

***// TODO Auto-generated method stub***

***if(e.getActionCommand().equals("Add a Booking"))***

***{***

***new clsBookForm();***

***}***

***if(e.getActionCommand().equals("Delete a Booking"))***

***{***

***new deletebook();***

***}***

***if(e.getActionCommand().equals("View All Bookings"))***

***{***

***new clsAllBooks();***

***}***

***if(e.getActionCommand().equalsIgnoreCase("View all Packages"))***

***{***

***new allPackages();***

***}***

***else if(e.getActionCommand().equalsIgnoreCase("add package"))***

***{***

***new packageForm();***

***}***

***else if(e.getActionCommand().equalsIgnoreCase("delete package"))***

***{***

***new updatedelete();***

***}***

***else if(e.getActionCommand().equalsIgnoreCase("update package"))***

***{***

***new updatedelete();***

***}***

***else if(e.getActionCommand().equalsIgnoreCase("Yes"))***

***{***

***System.exit(0);***

***}***

***}***

***}***

***}***

1. ***packageCollection:***

***import java.awt.print.Book;***

***import java.util.ArrayList;***

***import java.util.Vector;***

***import javax.swing.JOptionPane;***

***public class packageCollection {***

***public static ArrayList<packages> lst=***

***new ArrayList<packages>();***

***private static Vector lstBook1=***

***new Vector();***

***public static boolean AddPackage(packages newpackage )***

***{***

***boolean inserted=true;***

***//add to arraylist***

***lst.add(newpackage);***

***return inserted;***

***}***

***//method to return no of book***

***public static int getPakages() {***

***return lst.size();***

***}***

***//method to Remove Book by id***

***public static int removePackage(packages oldpackage )***

***{***

***//search found delete***

***int found=0;***

***for (packages p : lst) {***

***if(p.getPid().equals(oldpackage.getPid()))***

***{***

***lst.remove(oldpackage);***

***found=1;***

***break;***

***}***

***}***

***return found;***

***}***

***public static int removePackage(String id )***

***{***

***//search found delete***

***int found=0;***

***for (packages b : lst) {***

***if(b.getPid().equals(id))***

***{***

***lst.remove(b);***

***found=1;***

***break;***

***}***

***}***

***return found;***

***}***

***//get all book***

***public static ArrayList<packages> getAllPackage()***

***{***

***return lst;***

***}***

***public static Vector<packages> getAllBook1()***

***{***

***lstBook1.removeAllElements();***

***Vector rowdata=null;***

***//lstBook1.removeAll();***

***for (packages b : lst) {***

***rowdata=new Vector();***

***rowdata.addElement(b.getPid());***

***rowdata.addElement(b.getPname());***

***rowdata.addElement(b.getPdescription());***

***rowdata.addElement(b.getPcostAdult());***

***rowdata.addElement(b.getPcostChild());***

***rowdata.addElement(b.getPquantiti());***

***rowdata.addElement(b.getPdate());***

***rowdata.addElement(b.getPtransport());***

***lstBook1.addElement(rowdata);***

***}***

***return lstBook1;***

***}***

***//method to update Book by id***

***public static int UpdatePackage(packages updatepackage )***

***{***

***//search found update***

***int update=0;***

***for (packages b : lst) {***

***if(b.getPid().equals(updatepackage.getPid()))***

***{***

***b.setPname(updatepackage.getPname());***

***b.setPcostAdult(updatepackage.getPcostAdult());***

***b.setPcostChild(updatepackage.getPcostChild());***

***b.setPdescription(updatepackage.getPdescription());***

***b.setPdate(updatepackage.getPdate());***

***b.setPquantiti(updatepackage.getPquantiti());***

***b.setPtransport(updatepackage.getPtransport());***

***update=1;***

***break;***

***}***

***}***

***return update;***

***}***

***//method to Search Book by id***

***public static packages SearchPackage(String id )***

***{***

***//search found update***

***packages found=null;***

***for (packages b : lst) {***

***if(b.getPid().equals(id))***

***{***

***found=b;***

***break;***

***}***

***}***

***return found;***

***}***

***public static String generateID(String firstchar )***

***{***

***//JOptionPane.showMessageDialog(null, firstchar);***

***//search found update***

***int totfound=1001;***

***for (packages b : lst) {***

***if(b.getPname().startsWith(firstchar))***

***{***

***totfound++;***

***}***

***}***

***//convert integer to String***

***String id=firstchar+(String.valueOf(totfound)).substring(1);***

***return id;***

***}***

***}***

1. ***packageForm:***

**import java.awt.Color;**

**import java.awt.Dimension;**

**import java.awt.FlowLayout;**

**import java.awt.Frame;**

**import java.awt.GridBagConstraints;**

**import java.awt.GridBagLayout;**

**import java.awt.event.ActionEvent;**

**import java.awt.event.ActionListener;**

**import java.io.File;**

**import java.io.FileOutputStream;**

**import java.io.IOException;**

**import java.io.ObjectOutputStream;**

**import javax.swing.ImageIcon;**

**import javax.swing.JButton;**

**import javax.swing.JComboBox;**

**import javax.swing.JFrame;**

**import javax.swing.JLabel;**

**import javax.swing.JOptionPane;**

**import javax.swing.JPanel;**

**import javax.swing.JTextField;**

**public class packageForm extends JFrame {**

**private JLabel label1,lblid,lblpack,lblpackdesc,lbladultcost,lblchildcost,lbldate,lblacc,lbltrans;**

**private JTextField txtpack,txtpackdesc,txtadultcost,txtdate,txtchildcost,txtacc,txttrans;**

**private JButton btnsubmit,btnclear,btncallupdate;**

**private JFrame frm=null;**

**//constructor**

**public packageForm()**

**{**

**label1=new JLabel("Package ID :");**

**lblid=new JLabel("");**

**lblpack=new JLabel("Package Name :");**

**lblpackdesc=new JLabel("Package Description :");**

**lbladultcost=new JLabel("Package Cost For Adults:");**

**lblchildcost=new JLabel("Package Cost For Children: ");**

**txtpack=new JTextField(60);**

**txtpackdesc=new JTextField(100);**

**txtadultcost=new JTextField(25);**

**txtchildcost=new JTextField(25);**

**lbldate=new JLabel("Package Date: ");**

**txtdate=new JTextField(30);**

**lblacc=new JLabel("Mazimum Accomodation: ");**

**txtacc=new JTextField(25);**

**lbltrans=new JLabel("Transport: ");**

**txttrans=new JTextField(25);**

**btnsubmit=new JButton("Submit");**

**btnclear=new JButton("Clear All");**

**//add the component to the frame**

**//So create the object of the frame**

**frm=new JFrame("Package Entry Form");**

**JPanel panel = new JPanel();**

**JPanel panel1 = new JPanel();**

**JPanel panel2 = new JPanel();**

**JPanel panel3 = new JPanel();**

**JPanel panel4 = new JPanel();**

**JPanel panel5 = new JPanel();**

**JPanel panel6 = new JPanel();**

**JPanel panel7 = new JPanel();**

**JPanel panel8 = new JPanel();**

**JPanel panel9 = new JPanel();**

**JPanel panel10 = new JPanel();**

**GridBagLayout layout = new GridBagLayout();**

**panel.setLayout(layout);**

**GridBagConstraints gbc = new GridBagConstraints();**

**gbc.fill = GridBagConstraints.HORIZONTAL;**

**gbc.gridx = 0;**

**gbc.gridy = 0;**

**panel1.add(lblpack, gbc);**

**gbc.fill = GridBagConstraints.HORIZONTAL;**

**gbc.gridx = 0;**

**gbc.gridy = 1;**

**panel1.add(txtpack, gbc);**

**gbc.fill = GridBagConstraints.HORIZONTAL;**

**gbc.gridx = 1;**

**gbc.gridy = 0;**

**panel2.add(lblpackdesc, gbc);**

**gbc.fill = GridBagConstraints.HORIZONTAL;**

**gbc.gridx = 1;**

**gbc.gridy = 1;**

**panel2.add(txtpackdesc, gbc);**

**gbc.fill = GridBagConstraints.HORIZONTAL;**

**gbc.gridx = 2;**

**gbc.gridy = 0;**

**panel3.add(lbladultcost, gbc);**

**gbc.fill = GridBagConstraints.HORIZONTAL;**

**gbc.gridx = 2;**

**gbc.gridy = 1;**

**panel3.add(txtadultcost, gbc);**

**gbc.fill = GridBagConstraints.HORIZONTAL;**

**gbc.gridx = 3;**

**gbc.gridy = 0;**

**panel4.add(lblchildcost, gbc);**

**gbc.fill = GridBagConstraints.HORIZONTAL;**

**gbc.gridx = 3;**

**gbc.gridy = 1;**

**panel4.add(txtchildcost, gbc);**

**gbc.fill = GridBagConstraints.HORIZONTAL;**

**gbc.gridx = 4;**

**gbc.gridy = 0;**

**panel5.add(lbldate, gbc);gbc.fill = GridBagConstraints.HORIZONTAL;**

**gbc.gridx = 4;**

**gbc.gridy = 1;**

**panel5.add(txtdate, gbc);gbc.fill = GridBagConstraints.HORIZONTAL;**

**gbc.gridx = 5;**

**gbc.gridy = 0;**

**panel6.add(lblacc, gbc);gbc.fill = GridBagConstraints.HORIZONTAL;**

**gbc.gridx = 5;**

**gbc.gridy = 1;**

**panel6.add(txtacc, gbc);gbc.fill = GridBagConstraints.HORIZONTAL;**

**gbc.gridx = 6;**

**gbc.gridy = 0;**

**panel7.add(lbltrans, gbc);gbc.fill = GridBagConstraints.HORIZONTAL;**

**gbc.gridx = 6;**

**gbc.gridy = 1;**

**panel7.add(txttrans, gbc);**

**gbc.fill = GridBagConstraints.HORIZONTAL;**

**gbc.gridx = 7;**

**gbc.gridy = 0;**

**panel8.add(btnsubmit, gbc);**

**gbc.fill = GridBagConstraints.HORIZONTAL;**

**gbc.gridx = 7;**

**gbc.gridy = 1;**

**panel8.add(btnclear, gbc);**

**frm.add(panel1);**

**frm.add(panel2);**

**frm.add(panel3);**

**frm.add(panel4);**

**frm.add(panel5);**

**frm.add(panel6);**

**frm.add(panel7);**

**frm.add(panel8);**

**frm.add(panel9);**

**frm.add(panel10);**

**frm.getContentPane().setBackground( Color.darkGray );**

**//set the frame layout**

**frm.setLayout(new FlowLayout());**

**JLabel background=new JLabel(new ImageIcon("F:\\darje.jpg"));**

**frm.add(background);**

**background.setLayout(new FlowLayout());**

**//Add the component to the frame object**

**//in sequence**

**background.add(label1);**

**background.add(lblid);**

**//add the handler**

**btnsubmit.addActionListener(new myHandler());**

**frm.add(btnsubmit);**

**btnclear.addActionListener(new myHandler());**

**frm.add(btnclear);**

**btncallupdate=new JButton("Update");**

**btncallupdate.addActionListener(new myHandler());**

**frm.add(btncallupdate);**

**// to view the Frame set visible to true**

**frm.setVisible(true);**

**//Specify the Size ie. height**

**//width of the frame**

**frm.pack();**

**frm.setSize(800, 800);**

**}**

**//create a handler class**

**class myHandler implements ActionListener**

**{**

**@Override**

**public void actionPerformed(ActionEvent e) {**

**//first the get the values of the textbox**

**//create the object of class book**

**if(e.getActionCommand().equals("Submit"))**

**{**

**packages obj=new packages();**

**if(txtpack.getText().trim().length()>=1)**

**{**

**obj.setPname(txtpack.getText());**

**}**

**else**

**{**

**JOptionPane.showMessageDialog(null, "Enter Valid details");**

**return;**

**}**

**if(txtpackdesc.getText().trim().length()>=1)**

**{obj.setPdescription(txtpackdesc.getText());}**

**else**

**{**

**JOptionPane.showMessageDialog(null, "Enter Valid details");**

**return;**

**}**

**if(txtadultcost.getText().trim().length()>=1)**

**{try**

**{**

**double price=Double.parseDouble**

**( txtadultcost.getText().trim());**

**obj.setPcostAdult(Double.parseDouble**

**( txtadultcost.getText().trim()));**

**}**

**catch(NumberFormatException ex)**

**{**

**JOptionPane.showMessageDialog(null, "Invalid Adult Cost");**

**return;**

**}}**

**else**

**{**

**JOptionPane.showMessageDialog(null, "Enter Valid details");**

**return;**

**}**

**if(txtchildcost.getText().trim().length()>=1)**

**{try**

**{**

**double price=Double.parseDouble**

**( txtchildcost.getText().trim());**

**obj.setPcostChild(Double.parseDouble**

**( txtchildcost.getText().trim()));**

**}**

**catch(NumberFormatException ex)**

**{**

**JOptionPane.showMessageDialog(null, "Invalid child cost");**

**return;**

**}}**

**else**

**{**

**JOptionPane.showMessageDialog(null, "Enter Valid details");**

**return;**

**}**

**if(txtdate.getText().trim().length()>=1)**

**{obj.setPdate(txtdate.getText());}**

**else**

**{**

**JOptionPane.showMessageDialog(null, "Enter Valid details");**

**return;**

**}**

**if(txtacc.getText().trim().length()>=1)**

**{try**

**{**

**double price=Double.parseDouble**

**( txtacc.getText().trim());**

**obj.setPquantiti(Double.parseDouble**

**( txtacc.getText().trim()));**

**}**

**catch(NumberFormatException ex)**

**{**

**JOptionPane.showMessageDialog(null, "Invalid accomodation");**

**return;**

**}}**

**else**

**{**

**JOptionPane.showMessageDialog(null, "Enter Valid details");**

**return;**

**}**

**if(txttrans.getText().trim().length()>=1)**

**{obj.setPtransport(txttrans.getText());}**

**else**

**{**

**JOptionPane.showMessageDialog(null, "Enter Valid details");**

**return;**

**}**

**//generate the BOOK ID**

**//now generate the bookid**

**String newid= packageCollection.generateID**

**(obj.getPname().substring(0,1));**

**obj.setPid(newid);**

**//add the book to book collection**

**packageCollection.AddPackage(obj);**

**try {**

**callMain.saveRecord1();**

**JOptionPane.showMessageDialog(null, "Package is Addedd Sucessfully "+newid);**

**} catch (IOException e1) {**

**// TODO Auto-generated catch block**

**JOptionPane.showMessageDialog(null, "Error :"+e1.getMessage());**

**}**

**}**

**else if(e.getActionCommand().equals("Update"))**

**{**

**new updatedelete();**

**}**

**else if(e.getActionCommand().equalsIgnoreCase("clear all"))**

**{**

**lblid.setText("");**

**txtpack.setText("");**

**txtpackdesc.setText("");**

**txtadultcost.setText("0");**

**txtchildcost.setText("0");**

**txtdate.setText("");**

**txtacc.setText("");**

**txttrans.setText("");**

**}**

**}**

**//**

**}**

**}**

1. ***Packages:***

***import java.io.Serializable;***

***public class packages implements Serializable{***

***private String pid;***

***private String pname;***

***private String pdescription;***

***private double pcostAdult;***

***private double pcostChild;***

***private double pquantiti;***

***private String pdate;***

***private String ptransport;***

***public packages() {***

***pid = "";***

***pname = "";***

***pdescription = "";***

***pcostAdult = 0;***

***pcostChild = 0;***

***pquantiti = 0;***

***pdate = "";***

***ptransport = "";***

***}***

***public packages(String pid, String pname, String pdescription,double pcostAdult,double pcostChild, double pquantiti,***

***String pdate, String ptransport) {***

***this.pid = pid;***

***this.pname = pname;***

***this.pdescription = pdescription;***

***this.pcostAdult = pcostAdult;***

***this.pcostChild = pcostChild;***

***this.pquantiti = pquantiti;***

***this.pdate = pdate;***

***this.ptransport = ptransport;***

***}***

***public String getPid() {***

***return pid;***

***}***

***public void setPid(String pid) {***

***this.pid = pid;***

***}***

***public String getPname() {***

***return pname;***

***}***

***public void setPname(String pname) {***

***this.pname = pname;***

***}***

***public String getPdescription() {***

***return pdescription;***

***}***

***public void setPdescription(String pdescription) {***

***this.pdescription = pdescription;***

***}***

***public double getPcostAdult() {***

***return pcostAdult;***

***}***

***public void setPcostAdult(double pcostAdult) {***

***this.pcostAdult = pcostAdult;***

***}***

***public double getPcostChild() {***

***return pcostChild;***

***}***

***public void setPcostChild(double pcostChild) {***

***this.pcostChild = pcostChild;***

***}***

***public double getPquantiti() {***

***return pquantiti;***

***}***

***public void setPquantiti(double pquantiti) {***

***this.pquantiti = pquantiti;***

***}***

***public String getPdate() {***

***return pdate;***

***}***

***public void setPdate(String pdate) {***

***this.pdate = pdate;***

***}***

***public String getPtransport() {***

***return ptransport;***

***}***

***public void setPtransport(String ptransport) {***

***this.ptransport = ptransport;***

***}***

***double calculate(double numberOfAdult,double numberOfChild)***

***{***

***double totfare=((numberOfChild\*pcostChild)+(numberOfAdult\*pcostAdult));***

***return totfare;***

***}***

***}***

***12. Updatedelete:***

***import java.awt.Color;***

***import java.awt.FlowLayout;***

***import java.awt.GridBagConstraints;***

***import java.awt.GridBagLayout;***

***import java.awt.event.ActionEvent;***

***import java.awt.event.ActionListener;***

***import java.awt.event.ItemEvent;***

***import java.awt.event.ItemListener;***

***import java.util.ArrayList;***

***import javax.swing.JButton;***

***import javax.swing.JComboBox;***

***import javax.swing.JFrame;***

***import javax.swing.JLabel;***

***import javax.swing.JOptionPane;***

***import javax.swing.JPanel;***

***import javax.swing.JTextField;***

***public class updatedelete extends JFrame {***

***private JComboBox cmb;***

***private JLabel label1,lblid,lblpack,lblpackdesc,lbladultcost,lblchildcost,lbldate,lblacc,lbltrans;***

***private JTextField txtpack,txtpackdesc,txtadultcost,txtdate,txtchildcost,txtacc,txttrans;***

***private JButton btnsubmit,btnclear,btnupdate,btndelete;***

***private JFrame frm=null;***

***//constructor***

***public updatedelete()***

***{***

***label1=new JLabel("Package ID :");***

***lblid=new JLabel("");***

***lblpack=new JLabel("Package Name :");***

***lblpackdesc=new JLabel("Package Description :");***

***lbladultcost=new JLabel("Package Cost For Adults:");***

***lblchildcost=new JLabel("Package Cost For Children: ");***

***txtpack=new JTextField(60);***

***txtpackdesc=new JTextField(500);***

***txtadultcost=new JTextField(25);***

***txtchildcost=new JTextField(25);***

***lbldate=new JLabel("Package Date: ");***

***txtdate=new JTextField(30);***

***lblacc=new JLabel("Mazimum Accomodation: ");***

***txtacc=new JTextField(25);***

***lbltrans=new JLabel("Transport: ");***

***txttrans=new JTextField(25);***

***btnsubmit=new JButton("Submit");***

***btnclear=new JButton("Clear All");***

***//add the component to the frame***

***//So create the object of the frame***

***frm=new JFrame("Package Entry Form");***

***JPanel panel = new JPanel();***

***JPanel panel1 = new JPanel();***

***JPanel panel2 = new JPanel();***

***JPanel panel3 = new JPanel();***

***JPanel panel4 = new JPanel();***

***JPanel panel5 = new JPanel();***

***JPanel panel6 = new JPanel();***

***JPanel panel7 = new JPanel();***

***JPanel panel8 = new JPanel();***

***JPanel panel9 = new JPanel();***

***JPanel panel10 = new JPanel();***

***btndelete=new JButton("Delete");***

***btnupdate=new JButton("Update");***

***GridBagLayout layout = new GridBagLayout();***

***panel.setLayout(layout);***

***GridBagConstraints gbc = new GridBagConstraints();***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 0;***

***gbc.gridy = 0;***

***panel1.add(lblpack, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 0;***

***gbc.gridy = 1;***

***panel1.add(txtpack, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 1;***

***gbc.gridy = 0;***

***panel2.add(lblpackdesc, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 1;***

***gbc.gridy = 1;***

***panel2.add(txtpackdesc, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 2;***

***gbc.gridy = 0;***

***panel3.add(lbladultcost, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 2;***

***gbc.gridy = 1;***

***panel3.add(txtadultcost, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 3;***

***gbc.gridy = 0;***

***panel4.add(lblchildcost, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 3;***

***gbc.gridy = 1;***

***panel4.add(txtchildcost, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 4;***

***gbc.gridy = 0;***

***panel5.add(lbldate, gbc);gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 4;***

***gbc.gridy = 1;***

***panel5.add(txtdate, gbc);gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 5;***

***gbc.gridy = 0;***

***panel6.add(lblacc, gbc);gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 5;***

***gbc.gridy = 1;***

***panel6.add(txtacc, gbc);gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 6;***

***gbc.gridy = 0;***

***panel7.add(lbltrans, gbc);gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 6;***

***gbc.gridy = 1;***

***panel7.add(txttrans, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 7;***

***gbc.gridy = 0;***

***panel8.add(btnsubmit, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 7;***

***gbc.gridy = 1;***

***panel8.add(btnclear, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 7;***

***gbc.gridy = 2;***

***panel8.add(btnupdate, gbc);***

***gbc.fill = GridBagConstraints.HORIZONTAL;***

***gbc.gridx = 7;***

***gbc.gridy = 3;***

***panel8.add(btndelete, gbc);***

***frm.add(panel1);***

***frm.add(panel2);***

***frm.add(panel3);***

***frm.add(panel4);***

***frm.add(panel5);***

***frm.add(panel6);***

***frm.add(panel7);***

***frm.add(panel8);***

***frm.add(panel9);***

***frm.add(panel10);***

***frm.getContentPane().setBackground( Color.darkGray );***

***frm.getContentPane().setBackground(Color.darkGray);***

***//add the component to the frame***

***//So create the object of the frame***

***frm=new JFrame("Package Update/Delete Form");***

***frm.setBackground(Color.RED);***

***//set the frame layout***

***frm.setLayout(new FlowLayout());***

***//Add the component to the frame object***

***//in sequence***

***//Create the object ob combobox***

***cmb=new JComboBox();***

***populateBook();***

***//now get all the book***

***cmb.addItemListener(new myhandler());ssssss***

***frm.add(cmb);***

***//add the handler***

***btnupdate.addActionListener(new myhandler());***

***btndelete.addActionListener(new myhandler());***

***frm.add(btnupdate);***

***frm.add(btndelete);***

***// to view the Frame set visible to true***

***frm.setVisible(true);***

***//Specify the Size ie. height***

***//width of the frame***

***frm.setSize(900, 900);***

***}***

***private void clearForm()***

***{***

***lblid.setText("");***

***txtpack.setText("");***

***txtpackdesc.setText("");***

***txtadultcost.setText("0");***

***txtchildcost.setText("");***

***txtdate.setText("");***

***txtacc.setText("");***

***txttrans.setText("");***

***}***

***private void populateBook()***

***{***

***ArrayList<packages> lst= packageCollection.getAllPackage();***

***//All books ID and Name will be Addeed to Combobox***

***//clear the combobox***

***cmb.removeAllItems();***

***// start adding***

***for (packages b : lst) {***

***//add to combo box***

***cmb.addItem(b.getPid()+"-"+b.getPname());***

***}***

***}***

***class myhandler implements ItemListener,ActionListener***

***{***

***@Override***

***public void itemStateChanged(ItemEvent e) {***

***// TODO Auto-generated method stub***

***//get the selected item from the combobox***

***String s=e.getItem().toString();***

***//checl the possiton of '-'***

***int startpos=s.indexOf('-');***

***//get the value before '-'***

***String id=s.substring(0,startpos);***

***//pass the book id return object of clsbook class***

***packages obj=packageCollection.SearchPackage(id);***

***if(obj!=null)***

***{***

***//now set the value to textbox***

***lblid.setText(obj.getPid());***

***txtpack.setText(obj.getPname());***

***txtpackdesc.setText(obj.getPdescription());***

***txtadultcost.setText(String.valueOf(obj.getPcostAdult()));***

***txtchildcost.setText(String.valueOf(obj.getPcostChild()));***

***txtdate.setText(obj.getPdate());***

***txtacc.setText(String.valueOf(obj.getPquantiti()));***

***txttrans.setText(obj.getPtransport());***

***//String.valueOf(anyvalue) converts to string***

***}***

***else***

***{***

***JOptionPane.showMessageDialog(null, "Package ID Not Found");***

***}***

***}***

***@Override***

***public void actionPerformed(ActionEvent e) {***

***// TODO Auto-generated method stub***

***if(e.getActionCommand().equals("Update"))***

***{***

***packages obj=new packages();***

***obj.setPid(lblid.getText().trim());***

***obj.setPname(txtpack.getText().trim());***

***obj.setPcostAdult(Double.parseDouble(txtadultcost.getText().trim()));***

***obj.setPcostChild(Double.parseDouble(txtchildcost.getText().trim()));***

***obj.setPdate(txtdate.getText().trim());***

***obj.setPdescription(txtpackdesc.getText());***

***obj.setPquantiti(Double.parseDouble(txtacc.getText().trim()));***

***obj.setPtransport(txttrans.getText().trim());***

***//call the update method***

***int result=packageCollection.UpdatePackage(obj);***

***if(result==1)***

***{***

***JOptionPane.showMessageDialog(null, "Record is Updated Successfully");***

***clearForm();***

***}***

***}***

***if(e.getActionCommand().equals("Delete"))***

***{***

***int result=packageCollection.removePackage(lblid.getText());***

***if(result==1)***

***{***

***JOptionPane.showMessageDialog(null, "Record is deleted Successfully");***

***populateBook();***

***clearForm();***

***}***

***}***

***}***

***}***

***}***

***Certificate***

***This is to certify that Mr. Debkankan Banerjee of “Meghnad Saha Institute of Technology”, (Reg. no:171420110330) and Mr. Sooumodipta Basu Majumder(Reg no:171190110160) and Mr. Aritra Sinha (Reg no:171190110018) of “Siliguri Institute of Technology”, has successfully completed a project on “TOURS and TRAVELS SYSTEM” using “Java Swing” under the guidance of Mr.Ashok Gupta.***

[Ashok Gupta]

**Globsyn Finishing School**