

com.booking

Class BookingController

java.lang.Object
com.booking.BookingController

```
public class BookingController  
extends java.lang.Object
```

This class provides methods pertaining to any required functionality and processing that is related to bookings.

Field Summary

Fields

Modifier and Type	Field and Description
private BookingEntity	be AirportController requires the BookingEntity class to write/read data to the database.
private double	cancellationFee The default cancellation fee.
private java.lang.String	customerUsername Holds the current customer username if the user is a customer or travel agency.
private double	discountRatio The default discount ratio.
private FlightController	fc AirportController requires the FlightController class to query flight data.
private FleetController	ftc AirportController requires the FleetController class to query fleet data.
private java.util.Scanner	in Scanner object to use the standard in from the console.
private ProfileController	pc AirportController requires the ProfileController class to query profile and customer data.
private ServiceController	sc AirportController requires the ServiceController class to query service data.

Constructor Summary

Constructors

Constructor and Description
BookingController() Creates a BookingController.

Method Summary

Methods

Modifier and Type	Method and Description
private java.lang.String[]	addCustomers() Called to add Customers to the booking.
private java.util.List<java.lang.Integer>	addPersons() Called to add Persons to the booking.
private double	addService (java.util.List< ServiceBooking > services_booked) Allows the user to add a service to a ticket
private java.util.List<java.lang.Integer>	bookServices (boolean is_international_flight) The UI for users to book services for a ticket.
void	cancelBooking() Allows dynamic checking whether the user who is canceling a booking is a customer role or not.
private boolean	cancelBooking (java.lang.String username) Called to cancel a booking.
void	changePassengerSeating() Called to move passengers within a flight.
private java.util.Map.Entry< Flight , java.lang.Boolean>	chooseFlight() The UI for users to choose a flight.
private java.util.Map.Entry<java.lang.String, java.lang.Double>	chooseSeat (int[] available_seats, int[] total_seats, double[] seat_prices)

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<pre>private double void void java.lang.String int private java.util.List<Booking> java.util.List<java.util.Map.Entry<Booking, java.util.List<Ticket>>> java.util.List<ServiceBooking> java.util.List<ServiceBooking> java.util.List<java.util.Map.Entry<Service, java.lang.Integer>> void void void void void void boolean private void private boolean</pre>	<p>The UI for users to choose seats for the booking.</p> <p>deleteService(java.util.List<ServiceBooking> services_booked) Allows the user to delete a service from a ticket</p> <p>editServices() Method for normal staff to edit services on behalf of other customers.</p> <p>editServices(java.lang.String username) The method that is called to edit services.</p> <p>enterMonth() Allows the user to enter in a (MMM) format month.</p> <p>enterYear() Allows the user to enter in a (YYYY) format year.</p> <p>getBookingsForFlight(java.lang.String flight_id) Gets the bookings for a particular flight ID.</p> <p>getBookingsForMonth(java.lang.String month, int year) Allows user to get bookings for a particular month.</p> <p>getServicesBookedForBooking(int booking_id, java.util.List<Ticket> tickets) Gets all the services booked for a particular booking.</p> <p>getServicesBookedForTicket(Ticket ticket) Gets the services booked for a ticket.</p> <p>getTop5ServicesBooked() Gets the top 5 services booked and their count for all time.</p> <p>makeBooking() Method for normal staff to make a booking on behalf of other customers.</p> <p>makeBooking(java.lang.String role) The method that is called to make a booking.</p> <p>movePassengers() Called to move passengers between flights by booking.</p> <p>setCancellationFee() Allows the reservation system manager to set a cancellation fee.</p> <p>setDiscountRatio() Called to set the discount ratio of the frequent flier points.</p> <p><b b="" setusername<="">(java.lang.String username) Set the username for the customer when a CustomerRole instance is using this class.</p> <p>viewBookings() For external classes to call.</p> <p>viewBookings(java.util.List<Booking> customer_bookings) For the cancelBooking method to call straightaway</p> <p>viewBookings(java.util.List<Booking> customer_bookings, boolean check_cancelled) For the cancelBooking method to call straightaway.</p>

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

in
<pre>private java.util.Scanner in</pre> <p>Scanner object to use the standard in from the console.</p>
customerUsername
<pre>private java.lang.String customerUsername</pre> <p>Holds the current customer username if the user is a customer or travel agency. Else it will be null.</p>
be
<pre>private BookingEntity be</pre> <p>AirportController requires the BookingEntity class to write/read data to the database.</p>
ftc
<pre>private FleetController ftc</pre> <p>AirportController requires the FleetController class to query fleet data.</p>
fc