**UML CLASS DIAGRAM - REFINED** MainFrame **Software Development** Team 1T departureCalendar : JCalendar returnCalendar : JCalendar Presenter: Hinrik Snær Guðmundsson – 290296-2189 - travellers : JSpinner Valentin Oliver Loftsson – 081194-2709 origin : JList Nu Phan Quynh Do - 240397-3589 - location : JTextArea Huy Van Nguyen - 160196-3279 - packageManager : PackageManager - searchButton : JButton View layer + searchButtonActionPerformed(evt) : void + getDepartureDate() : Date + getReturnDate() : Date + getTravellers() : int + getLocationValue() : String + getOriginValue() : String PackageManager **Control layer** packages : TravelPackage [] + createNewPackage(Customer) : TravelPackage - package + searchFlights(departure : Date, return : Date) : Flight [] + searchHotels(checkIn : Date, checkOut : Date, location : String) : Hotel [] + searchDayTours(departure : Date, return : Date, location : String) : DayTour [] + bookPackage() : void Review rating: int comment : String **TravelPackage** 0..1 + getRating(): int + getComment() : String price: int Model layer travellers : int outbound : Flight - inbound : Flight hotel : Hotel daytours : DayTour [] customer: Customer - review review : Review Customer name : String + getFlights() : Flight[2] phone: String + setFlights(outbound : Flight, 1 - customer email: String inbound : Flight) : void country: String + getHotel() : Hotel + setHotel(hotel : Hotel) : void + getName(): String + getDayTours() : DayTour [ ] + getPhone(): String + setDayTours(tours : DayTour[]) : + getEmail(): String void + getCountry(): String + calculatePrice(): int + getPrice(): int - flights + submitReview(rating : int, comment : String) : void getReview() : Review + getCustomer() : Customer - hotel + setTravellers(number : int) : void + getTravellers() : int uses uses. ----uses-- daytours 2 Flight Hotel **DayTour** flightNumber : String hotelld : int name: String phone: String airline: String name: String origin : String address : String email: String destination : String freeRoomsPerDate : List<Date, int> location: String departureTime : Date time: Date type:int arrivalTime: Date price : int duration: int availableSeats: int price: int price: int tags: String · availableTickets : int + getFlightNumber() : String + maxAvailableRooms(start : Date, + getAirline() : String end : Date) : int + getName() : String + getOrigin() : String getId():int + getPhone() : String + getDestination() : String + getName() : String + getEmail() : String + getDepartureTime() : Date + getType() : int + getLocation() : String + getArrivalTime() : Ďate + getAddress() : String + getTime() : Date + getPrice() : int + getAvailableSeats() : int + getDuration(): int + getPrice() : int + getPrice() : int + getTags() : String + getAvailableTickets(): int **FlightSearch HotelSearch TourSearch** (various instance variables) (various instance variables) (various instance variables) + search() : Flight [] / List<Flight> + search(...) : Hotel [] / List<Hotel> + search() : DayTour[] / List<DayTour> + sort() : void + sort() : void + sort() : void further methods... further methods. further methods. FlightReservation HotelReservation **TourReservation** (various instance variables) (various instance variables) (various instance variables) + book(): void + book() : void + book(): void further methods. further methods. further methods.