<<Java Class>> <<Java Class> <<Java Class>> **Menu**  ⊕ Create Spread Sheet **G**Customer **G** Simulation (default package) (default nackage (default package) (default package) △ checkln: boolean resNumber: int Simulation() △ checkOut: boolean firstNameOnRes: String Smain(String[]):void Smain(String[]):void lastNameOnRes: String o<sup>c</sup>Menu() resType: String Run(Reservation):void year: int month: int day: int checkInDay: String typeOfPurchase: String numberOfNights: int numberOfRooms: int notel: int roomType: String adultOcc: int childOcc: int breakfast: boolean priceOfRoom: int
hotelType: String totalCost: int deposit: int getUserInput():void occupancyDoubleSingleTwin(Scanner,int):void -reservation 0..1 <Java Class>> Reservation (default package) numberOfNights: int checkInDay: String deposit: double totalPrice: int reservationNumber: int firstName: String lastName: String hotelType: String typeOfPurchase: String sum: int cancelDate: LocalDate checkln: LocalDate checkOut: LocalDate day: DayOfWeek days: ArrayList<String> △ totalDates: List<LocalDate> △ totalDays: List<DayOfWeek> △ reservationNumbers: ArrayList<Integer> Reservation(int, String, String, String, ArrayList<Room>, int, LocalDate, String) pickRooms(Room[]):voidgenerateReservationNumber():int getDeposit():double getHotelType():StringgetFirstName():String getLastName():String getNumberOfNights():int getCheckOut():LocalDate getReservationNumber():int getTypeOfPurchase():StringgetTotalPrice():double getCheckInDate():LocalDate getName():String showReservations():void makeReservation(Reservation):void saveCancellation():void o roomInfo():String saveReservation():void cancellations cancelReservation(int):void
calculateTotalPrice(ArrayList<Room>):int réservations o toString():String 0..\* ~rooms <<Java Class> <<Java Class>> **⊕** Advance Purchase **©**Room (default package) (default package) n totalPrice: int roomType: String standardPrice: int noOfRooms: int reservationNumber: int breakfast: boolean noOfChildren: int AdvancePurchase(int, String, String, String, ArrayList<Room>, int, LocalDate, String) noOfAdults: int getStandardPrice():int calculateDiscountPrice():int noOfNights: int n hotelType: String makeReservation(Reservation):void △ checkln: LocalDate cancelReservation(int):void dayOfWeek: DayOfWeek saveReservation():void rooms: String[] toString():String a days: DayOfWeek[] r r int d: int a cost: int prices: int[][] ©Room(String,int,int,boolean) o setNoOfRooms(int):void getNoOfRooms():int getRoomType():String setRoomType(String):void getCost():int setNoOfAdults(int):void getNoOfAdults():int setNoOfChildren(int):void getNoOfChildren():int isBreakfast():boolean addBreakfast():void getRoomIndex(String):int getDayIndex(DayOfWeek):int
getCostOneDay(String,DayOfWeek):int

o toString():String