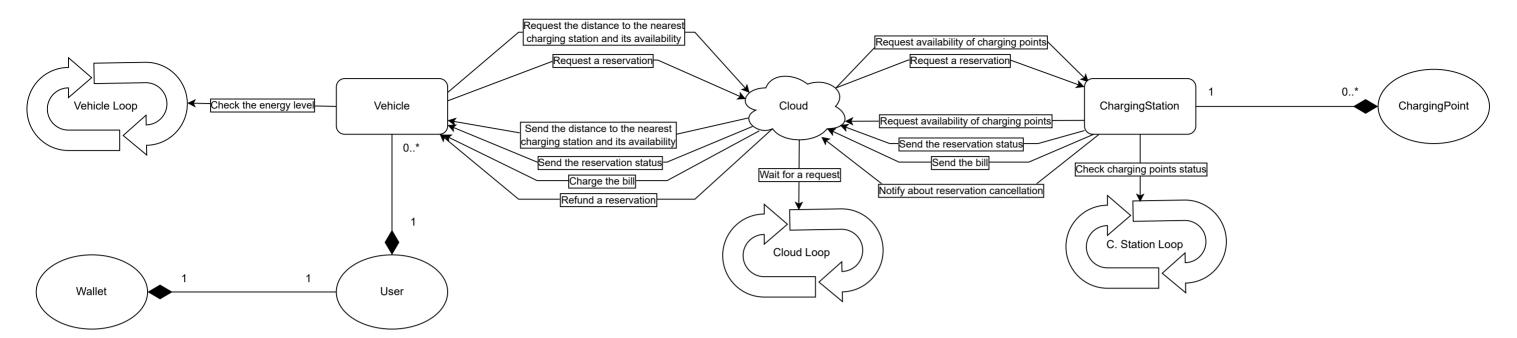
System Diagram:



Class Diagram:

+ getPixCode(): String + setPixCode(String)

ChargingStation - id: Integer - coordinates: Array pricePerMinute: FloatrechargingPoints: LinkedList + getID(): Integer + setID(Integer) + getCoordinates(): Array + setCoordinates(Array) + getPricePerMinute(): Float + setPricePerMinute(Float) + getRechargingPoints(): LinkedList + setRechargingPoint(RechargingPoint) RechargingPoint - id: Integer - availability: Boolean - status: Boolean - reservationQueue: LinkedList - waitingTimeInMinutes: Float + getID(): Integer + setID(Integer) + getAvailability(): Boolean + setAvailability(Boolean) + getStatus(): Boolean + setStatus(Boolean)

+ getReservationQueue(): LinkedList+ setReservation(Reservation)

+ getWaitingTimeInMinutes(): Float

User	Vehicle
- id: Integer - name: String - email: String - password: String - vehicles: LinkedList - debits: LinkedList	- id: Integer - coordinates: Array - energyLevel: Integer - distanceFromDestination: Integer - distanceFromChargingStation: Integer
+ getID(): Integer + setID(Integer) + getName(): String + setName(String) + getEmail(): String + setEmail(String) + getPassword(): String + setPassword(String) + getVehicles(): LinkedList + setVehicles(Vehicle) + getDebits(): LinkedList + setDebits(Debit)	+ getID(): Integer + setID(Integer) + getCoordinates(): Array + setCoordinates(Array) + getEnergyLevel: Integer + setEnergyLevel(Integer) + getDistanceFromDestination(): Integer + setDistanceFromDestination(Integer) Wallet
Bill	- userID: Integer - amountOfMoney: Float - creditCard: Array
- userID: Integer - consumptionInMinutes: Float - price: Float - pixCode: String	- paymentHistory: LinkedList
	+ getUserID(): Integer + setUserID(Integer) + getAmountOfMoney(): Float + setAmountOfMoney(Float)
+ getUserID(): Integer + setUserID(Integer) + getConsumptionInMinutes(): Float + setConsumptionInMinutes(Float) + getPrice(): Float + setPrice(Float)	+ chargeBill(Float)