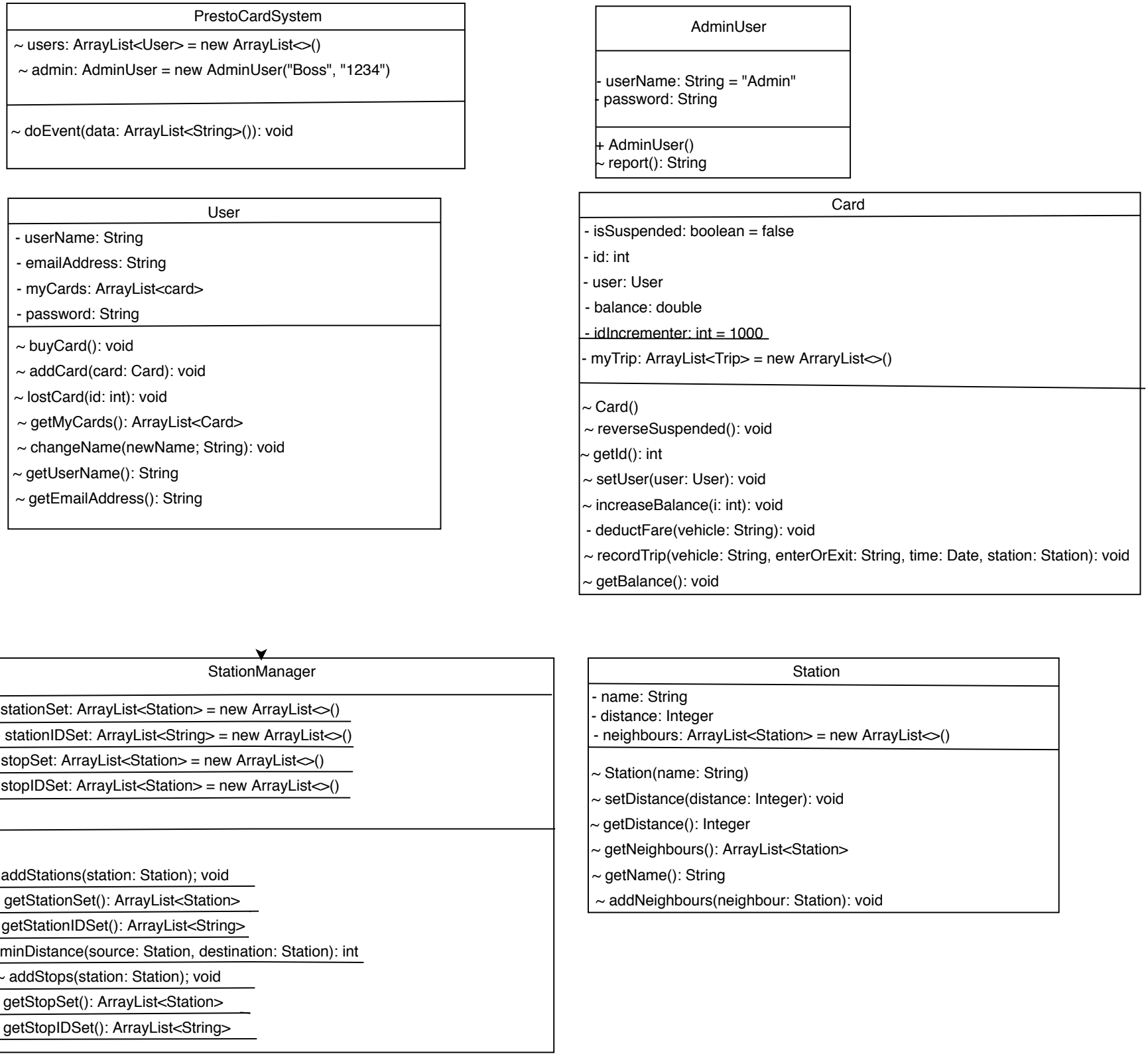
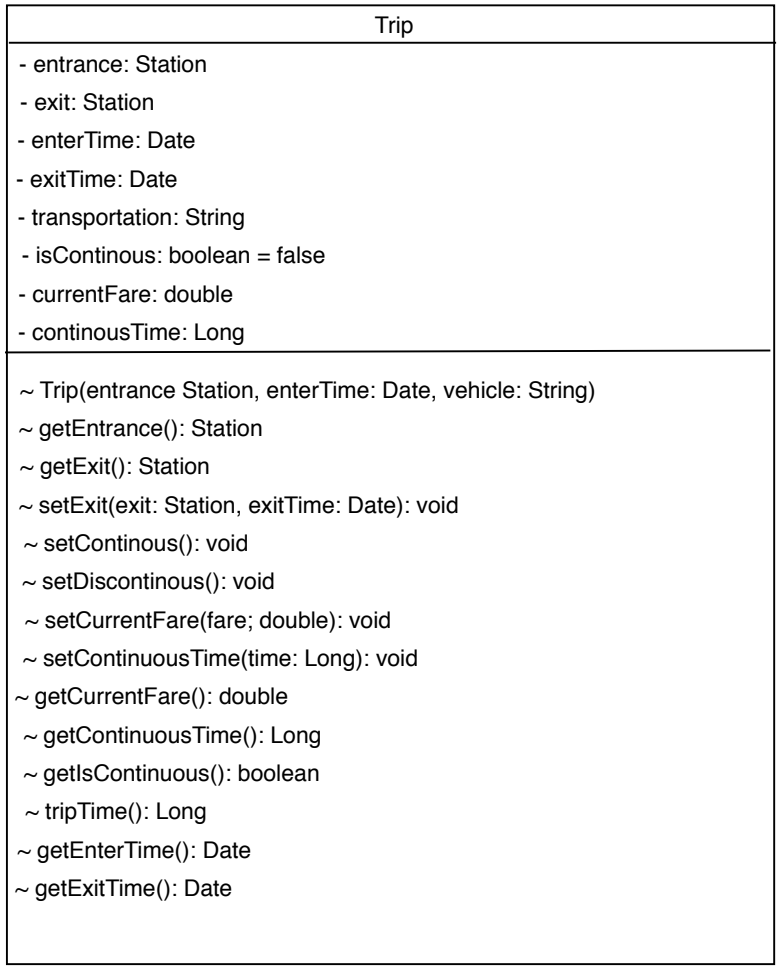

PrestoCardSystem
~ users: ArrayList<User> = new ArrayList<>()
~ admin: AdminUser = new AdminUser("Boss", "1234")
~ doEvent(data: ArrayList<String>()): void
AdminUser
- userName: String = "Admin"
- password: String
+ AdminUser()
~ report(): String
User
- userName: String
- emailAddress: String
- myCards: ArrayList<card>
- password: String
~ buyCard(): void
~ addCard(card: Card): void
~ lostCard(id: int): void
~ getMyCards(): ArrayList<Card>
~ changeName(newName; String): void
~ getUserName(): String
~ getEmailAddress(): String
Card
- isSuspended: boolean = false
- id: int
- user: User
- balance: double
- idIncrementer: int = 1000
- myTrip: ArrayList<Trip> = new ArraryList<>()
~ Card()
~ reverseSuspended(): void
~ getId(): int
~ setUser(user: User): void
~ increaseBalance(i: int): void
- deductFare(vehicle: String): void
~ recordTrip(vehicle: String, enterOrExit: String, time: Date, station: Station): void
~ getBalance(): void
StationManager
- stationSet: ArrayList<Station> = new ArrayList<>()
- stationIDSet: ArrayList<String> = new ArrayList<>()
- stopSet: ArrayList<Station> = new ArrayList<>()
- stopIDSet: ArrayList<Station> = new ArrayList<>()
~ addStations(station: Station); void
~ getStationSet(): ArrayList<Station>
~ getStationIDSet(): ArrayList<String>
~ minDistance(source: Station, destination: Station): int
~ addStops(station: Station); void
~ getStopSet(): ArrayList<Station>
~ getStopIDSet(): ArrayList<String>
Station
- name: String
- distance: Integer
- neighbours: ArrayList<Station> = new ArrayList<>()
~ Station(name: String)
~ setDistance(distance: Integer): void
~ getDistance(): Integer
~ getNeighbours(): ArrayList<Station>
~ getName(): String
~ addNeighbours(neighbour: Station): void


Trip
- entrance: Station
- exit: Station
- enterTime: Date
- exitTime: Date
- transportation: String
- isContinous: boolean = false
- currentFare: double
- continousTime: Long
~ Trip(entrance Station, enterTime: Date, vehicle: String)
~ getEntrance(): Station
~ getExit(): Station
~ setExit(exit: Station, exitTime: Date): void
~ setContinous(): void
~ setDiscontinous(): void
~ setCurrentFare(fare; double): void
~ setContinuousTime(time: Long): void
~ getCurrentFare(): double
~ getContinuousTime(): Long
~ getIsContinuous(): boolean
~ tripTime(): Long
~ getEnterTime(): Date
~ getExitTime(): Date