UML Diagrams

Class Train

Instance Variables	Methods
int numCars	train()
int numPassengers	getRoute() => returns the current route distance
Color: color of train => takes in three ints from 0 - 255	newRoute(int x1, int y1, int x2, int y2) => changes the route to from x1, y1 to x2, y2
int seats	start() => starts the train ride upon click
ArrayList nextStations	delay() =>
ArrayList prevStations	dock() => stops the train at a station/ returns boolean(true if the train stops, false otherwise)
float cost	open() => open the doors of the train stations so the passengers can get on
float routeDistance	add() => adds a new train line
	depart() => allows the train to leave the station

Passenger

Properties	Methods
int age	isStanding() => returns whether a person is standing within the car
String gender	isSitting() => returns whether a person is sitting within the car
boolean isPregnant	onTrain() => returns whether the passenger is on the train
boolean isDisabled	onPlatform() => returns whether the passenger is on the platform of the train station
entitlement	entitlement()
patience	board()
int boilingPoint	exit() => passenger leaves the train station