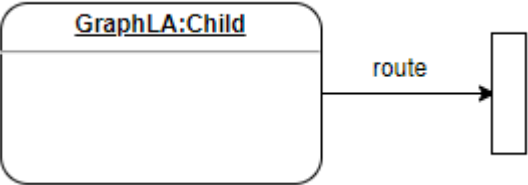
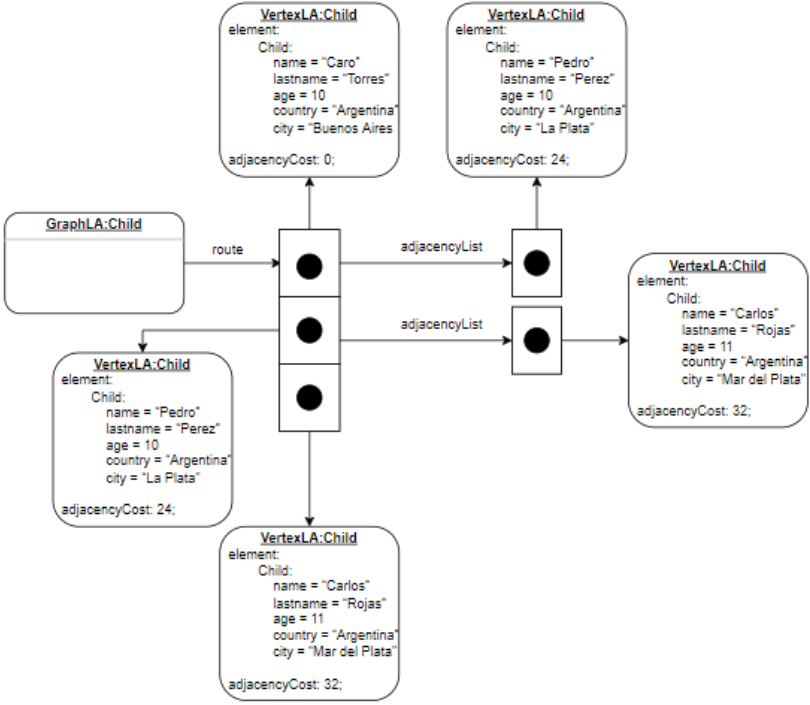


TEST CASES

DeliveryRoute

Scenario configuration

Name	Class	Scenario
setUpScenary()	SantaListTest	 <pre> sequenceDiagram participant G as GraphLA:Child G->> R: route </pre>
setUpScenary2()	SantaListTest	 <pre> sequenceDiagram participant G as GraphLA:Child participant V1 as VertexLA:Child element: Child: name = "Caro" lastname = "Torres" age = 10 country = "Argentina" city = "Buenos Aires" adjacencyCost: 0; participant V2 as VertexLA:Child element: Child: name = "Pedro" lastname = "Perez" age = 10 country = "Argentina" city = "La Plata" adjacencyCost: 24; participant V3 as VertexLA:Child element: Child: name = "Carlos" lastname = "Rojas" age = 11 country = "Argentina" city = "Mar del Plata" adjacencyCost: 32; participant V4 as VertexLA:Child element: Child: name = "Pedro" lastname = "Perez" age = 10 country = "Argentina" city = "La Plata" adjacencyCost: 24; participant AL1 as adjacencyList participant AL2 as adjacencyList participant AL3 as adjacencyList G->> V1: route G->> V4: route G->> AL1: route G->> AL2: route G->> AL3: route AL1->> V2: adjacencyList AL2->> V3: adjacencyList AL3->> V4: adjacencyList </pre>

TEST CASES

DeliveryRoute

Test Cases Design

Test Objective	Validate that builder method is correctly working			
Class	Method	Scenario	Input Values	Result
DeliveryRouteTest	deliveryRoute	setUpScenary2()	country: "Argentina" initial: "C"	The route is created with all children who belong to the country that was passed by parameter and who has the initial that was passed as a parameter like first letter of their name, so the will be that the object(Graph) route it's gonna be composed by the children Caro, Carlos.

Test Objective	Validate that the method defineDistanceTest is correctly working			
Class	Method	Scenario	Input Values	Result
DeliveryRouteTest	defineDistanceTest	setUpScenary2()	name = "Caro" lastname = "Torres" age = 10 country = "Argentina" city = "Buenos Aires" address = "Calle 30-50" name = "Carlos" lastname = "Rojas" age = 11 country = "Argentina" city = "La Plata" address = "Calle 30-60"	The method will be return a random num between 10 and 30 multiple of 3.