

Nombre	R.F# 1.
Resumen	Se hace una implementación básica de ordenamiento
Entradas	
Resultados	
Vuelos en un orden.	

Nombre	R.F# 2.
Resumen	Implementar métodos de búsqueda secuencial
Entradas	
Nombre de la Aerolínea (String)	
Resultados	
Posición del objeto en un arreglo ordenado	

Nombre	R.F# 3.
Resumen	Búsqueda binaria
Entradas	
Numero de vuelo único (int)	
Resultados	
Posición del objeto en un arreglo ordenado	

Nombre	R.F# 4.
Resumen	Implementar interfaz comparable

Entradas
Flight
Resultados
-1, 0, 1

Nombre	R.F# 5.
Resumen	Implementar interfaz Comparator
Entradas	
Flight, Flight	
Resultados	
-1, 0, 1	

Nombre	R.F# 6.
Resumen	Generar de manera aleatoria la lista de los vuelos posibles
Entradas	
Numero de vuelos que se generan (int)	
Resultados	
Se genera una nueva lista de forma aleatoria	

3. Diseño de Pruebas

Nombre	Clase	Escenario
setupScenary1	AirportTest	<i>vacío</i>
setupScenary2	AirportTest	<pre>graph LR Airport[":Airport"] --> Flight1[":Flight"] Airport --> Flight2[":Flight"] Airport --> Flight3[":Flight"] Flight1 --> Flight1Data["-time: '12:30 AM' -airline: 'Avianca' -flight: 'AV 035' -arriveCity: 'New York' -terminal: '2' -gate: '8' -remarks: 'Go to Gate'"] Flight2 --> Flight2Data["-time: '02:30 PM' -airline: 'Wingo' -flight: 'WI 489' -arriveCity: 'Cali' -terminal: '4' -gate: '12' -remarks: 'Delayed'"] Flight3 --> Flight3Data["-time: '10:48 PM' -airline: 'EasyFly' -flight: 'EA 126' -arriveCity: 'Atlanta' -terminal: '1' -gate: '6' -remarks: 'Wait on room'"]</pre>

Objetivo de la Prueba: Permite generar un listado de vuelos				
Clase	Método	Escenario	Valores de Entrada	Resultado

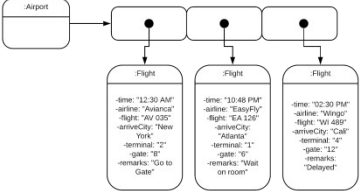
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AirportScreenC ontroller	generateFlights()	setuScenary1	txtField	void
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Objetivo de la Prueba: Permite ordenar los vuelos				
Clase	Método	Escenario	Valores de Entrada	Resultado

Airport	orderByFlight()	setuScenary2		
Airport	orderByTime()	setuScenary2		
Airport	orderByAirline()	setuScenary2		

Airport	orderByCity()	setuScenary2		<pre>graph TD Airport --> Flight1 Airport --> Flight2 Airport --> Flight3 Flight1["time: "10:48 PM" airline: "EasyFly" flight: "EA 120" arriveCity: "Atlanta" terminal: "1" gate: "10" remarks: "Wait on room" "] Flight2["time: "02:30 PM" airline: "Wingo" flight: "WV 450" arriveCity: "Cali" terminal: "4" gate: "12" remarks: "Delayed" "] Flight3["time: "12:30 AM" airline: "Avianca" flight: "AV 030" arriveCity: "New York" terminal: "2" gate: "8" remarks: "Go to Gate" "]</pre>
Airport	orderByTerminal()	setuScenary2		<pre>graph TD Airport --> Flight1 Airport --> Flight2 Airport --> Flight3 Flight1["time: "10:48 PM" airline: "EasyFly" flight: "EA 120" arriveCity: "Atlanta" terminal: "1" gate: "10" remarks: "Wait on room" "] Flight2["time: "12:30 AM" airline: "Avianca" flight: "AV 030" arriveCity: "New York" terminal: "2" gate: "8" remarks: "Go to Gate" "] Flight3["time: "02:30 PM" airline: "Wingo" flight: "WV 450" arriveCity: "Cali" terminal: "4" gate: "12" remarks: "Delayed" "]</pre>
Airport	orderByGate()	setuScenary2		<pre>graph TD Airport --> Flight1 Airport --> Flight2 Airport --> Flight3 Flight1["time: "12:30 AM" airline: "Avianca" flight: "AV 030" arriveCity: "New York" terminal: "2" gate: "8" remarks: "Go to Gate" "] Flight2["time: "10:48 PM" airline: "EasyFly" flight: "EA 120" arriveCity: "Atlanta" terminal: "1" gate: "10" remarks: "Wait on room" "] Flight3["time: "02:30 PM" airline: "Wingo" flight: "WV 450" arriveCity: "Cali" terminal: "4" gate: "12" remarks: "Delayed" "]</pre>

Airport	orderByRemarks()	setuScenary2		
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Objetivo de la Prueba: Permite ejecutar la búsqueda de un vuelo				
Clase	Método	Escenario	Valores de Entrada	Resultado
Airport	binarySearchByTime()	setuScenary 2	time = "10:48 PM"	2
Airport	binarySearchByAirlin e ()	setuScenary 2	airline="Qutar"	1
Airport	binarySearchByFlight ()	setuScenary 2	flight = "ZZ 546"	3
Airport	binarySearchByCity	setuScenary	city = "Medellin"	1

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	()	2		
Airport	binarySearchByTerminal ()	setuScenary 2	terminal = "8"	3
Airport	binarySearchByGate ()	setuScenary 2	gate = "2"	2