**Black box tests**

**Client-FlightSearchServer API:**

URI Template: flight?src={src}&dst={dst}&date={date}

API Call: IClientQueryService::GetFlights(string src, string dst, string date)

Negative test case:

1. Non existing flight, all combinations for src, dst

return empty list, status: 200

1. Malformed date, enter garbase, status: 400 BadRequest

OK!

URI Template: seller/{seller}

API Call: IClientQueryService::MakeReservation(string seller, ReservationRequest request)

Negative test case – no return value:

1. Try reserving from a non existing seller. Error 404
2. Try reserving a non existing flight. Error 404.
3. Try reserving a non existing date. Error 404
4. Try to overbook a flight. Error 403 – forbidden.

URI Template: "seller/{seller}/{reservationID}"

Negative test case:

1. Try to cancel an existing reservation from a non existing seller: error 404
2. Try to cancel an non existing reservation from an existing seller: error 404
3. Try to cancel a non numeric reservation id: error 400
4. Try to over cancel. Error 403 – forbidden.

**Client-FlightSearchServer Connectivity:**

Reservation drop:

1. Make reservation from seller X.
2. Drop seller X.
3. Try to cancel.

Expecting error 500

Reservation from a returning dropped server:

1. Make reservation from seller X.
2. Drop seller X.
3. Return seller X.
4. Cancel reservation from seller X.

Expecting error 404

**Seller-FlightSearchServer Connectivity:**

Double register:

1. Two sellers login with same name.
2. If name taken return 400 (Bad request – user shouldreformat)

**FIXED**

Returning dropped seller:

1. Register seller.
2. Drop seller.
3. Register seller again.

Expecting: seller should be allowed to re-register with same name.

1. Register seller with Name X
2. Make search
3. Drop seller
4. Register seller with Name Y
5. Make search

Seller shouldn't appear twice

Seller appears twice. Making a reservation on a flight will effect both sellers.

**FIXED**

Exception When two sellers try to use the same port for their service

ASK ALEX HOW TO DEAL WITH THAT, I HAVE NO IDEA