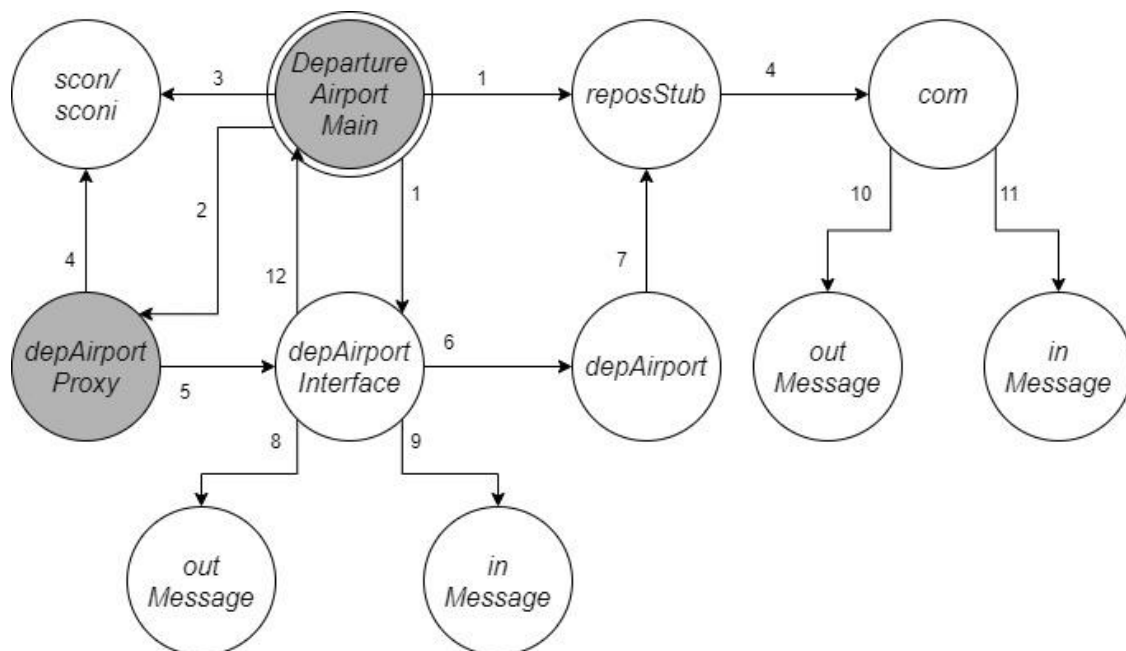


# Interaction Diagrams

## Server Side:

- DepartureAirportMain - Interaction Diagram



1 - instantiate

2 - instantiate, start

3 - instantiate, start, accept, end

4 - readObject, writeObject, close

5 - processAndReply

6 - prepareForPassBoarding, waitInQueue,  
checkDocuments, showDocuments,  
waitForNextPassenger, boardThePlane

7 - setHostessState, setPassengerState

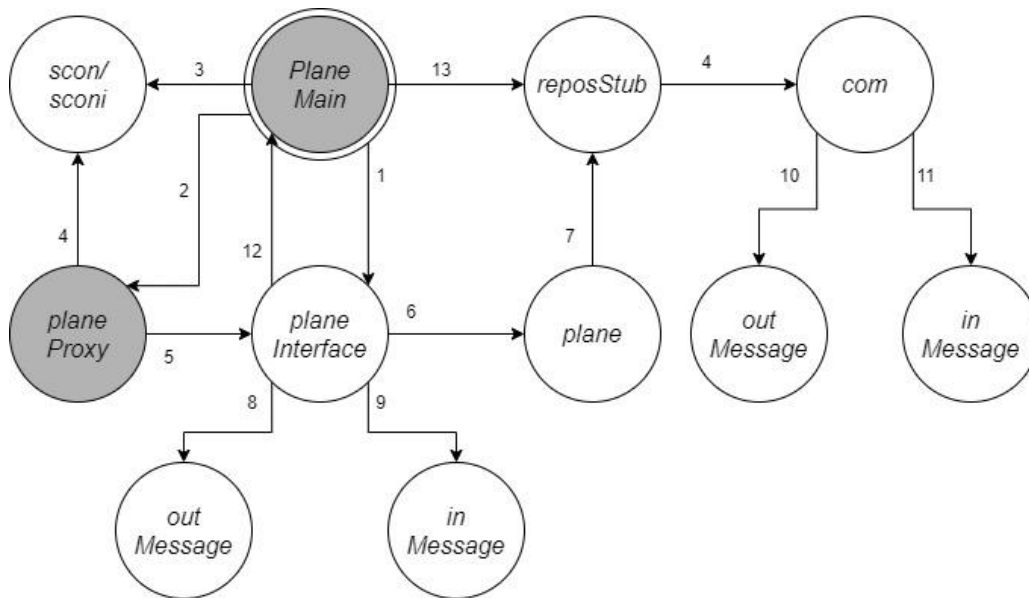
8 - setAttributesSize, setAttributesType, setAttributes  
9 - getAttributesSize, getAttributesType,  
getAttributes

10 - setParametersSize, setParametersType,  
setParameters

11 - getType, toString

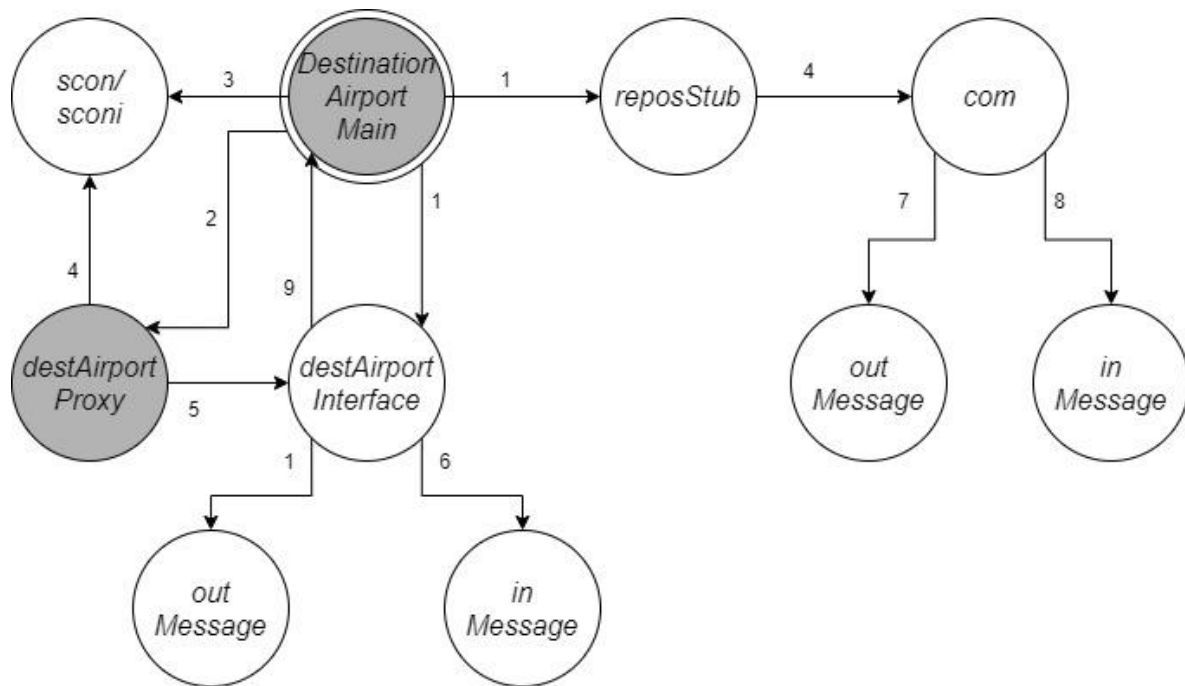
12 - endConnection

## ● PlaneMain - Interaction Diagram



- |  |  |
|--|--|
| 1 - instantiate  | 7 - setPilotState, setHostessState, setPassengerState    |
| 2 - instantiate, start   | 8 - setAttributesSize, setAttributesType, setAttributes  |
| 3 - instantiate, start, accept, end  | 9 - getAttributesSize, getAttributesType, getAttributes  |
| 4 - readObject, writeObject, close   | 10 - setParametersSize, setParametersType, setParameters |
| 5 - processAndReply  | 11 - getType, toString                                   |
| 6 - reportFinalReport, parkAtTransferGate, informPlaneReadyForBoarding, waitForNextFlight, waitForAllInBoarding, informPlaneReadyToTakeOff, waitForEndOfFlight, announceArrival, leaveThePlane | 12 - endConnection                                       |
|  | 13 - instantiate, shutdown                               |

## • DestinationAirportMain - Interaction Diagram



1 - instantiate

2 - instantiate, start

3 - instantiate, start, accept, end

4 - readObject, writeObject, close

5 - processAndReply

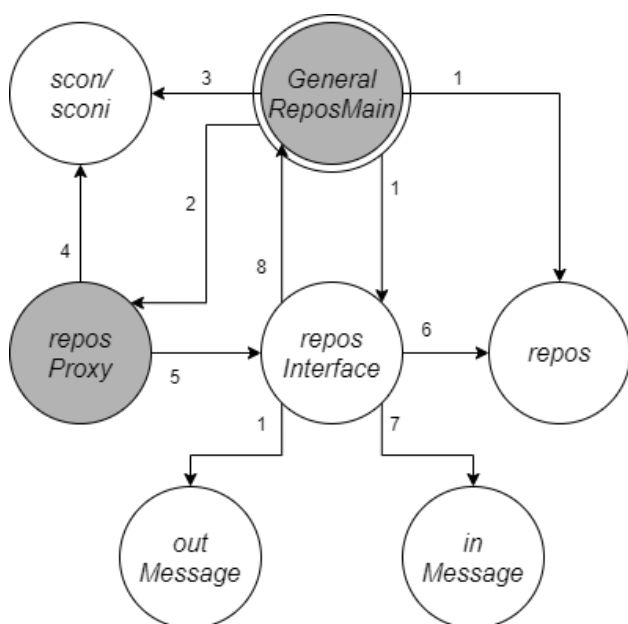
6 - getType

7 - setParametersSize, setParametersType, setParameters

8 - getType, toString

9 - endConnection

## • GeneralReposMain - Interaction Diagram



1 - instantiate

2 - instantiate, start

3 - instantiate, start, accept, end

4 - readObject, writeObject, close

5 - processAndReply

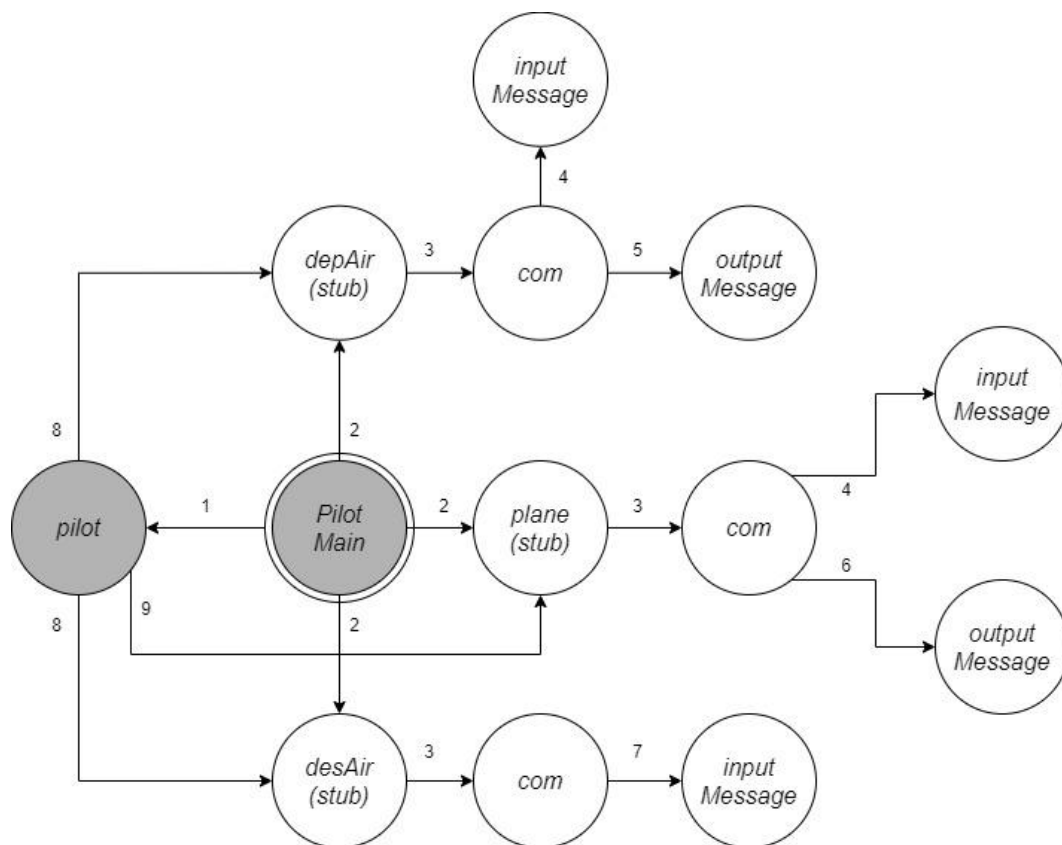
6 - setPassengerState, setHostessState, setPilotState, reportFinalInfo

7 - getParametersSize, getParametersType, getParameters

8 - endConnection

# Client Side:

## • PilotMain - Interaction Diagram



1 - instantiate, start, join

2 - instantiate

3 - instantiate, open, close, writeObject, readObject

4 - instantiate, getType, toString, getAttributesSize, getAttributesType, getAttributes

5 - instantiate, setAttributesSize, setAttributesType, setAttributes

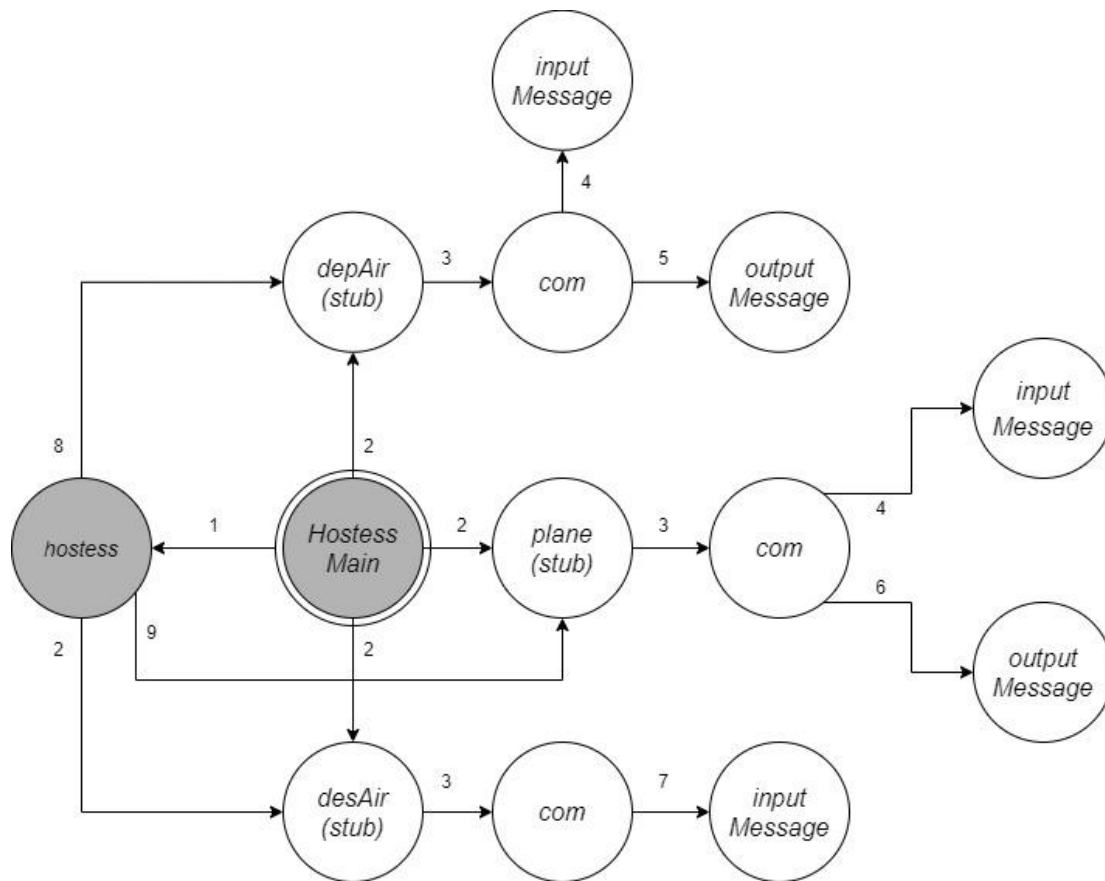
6 - instantiate, setAttributesSize, setAttributesType, setAttributes, setParametersSize, setParametersType, setParameters

7 - instantiate, getType, toString

8 - instantiate, shutdown

9 - parkAtTransferGate, informPlaneReadyForBoarding, waitForAllInBoarding, announceArrival, reportFinalReport, shutdown

## • HostessMain - Interaction Diagram



1 - instantiate, start, join

2 - instantiate

3 - instantiate, open, close, writeObject, readObject

4 - instantiate, getType, toString, getAttributesSize, getAttributesType, getAttributes

5 - instantiate, setAttributesSize, setAttributesType, setAttributes

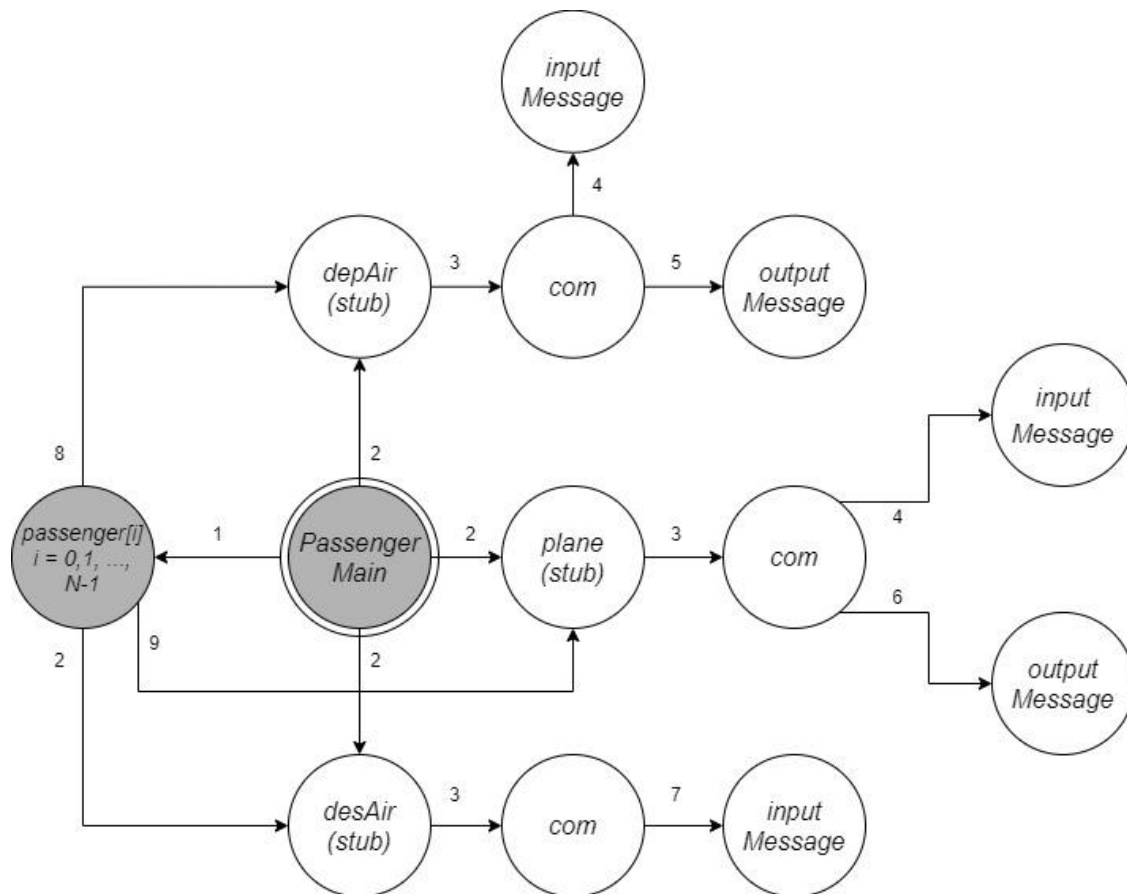
6 - instantiate, setAttributesSize, setAttributesType, setAttributes, setParametersSize, setParametersType, setParameters

7 - instantiate, getType, toString

8 - prepareForPassBoarding, checkDocuments, waitForNextPassenger

9 - waitForNextFlight, informPlaneReadyToTakeOff

## • PassengerMain - Interaction Diagram



1 - instantiate, start, join

2 - instantiate

3 - instantiate, open, close, writeObject, readObject

4 - instantiate, getType, toString, getAttributesSize, getAttributesType, getAttributes

5 - instantiate, setAttributesSize, setAttributesType, setAttributes

6 - instantiate, setAttributesSize, setAttributesType, setAttributes, setParametersSize, setParametersType, setParameters

7 - instantiate, getType, toString

8 - waitInQueue, showDocuments, boardThePlane

9 - waitForEndOfFlight, leaveThePlane