Air Traffic Controller (Assignment 3 CEP)

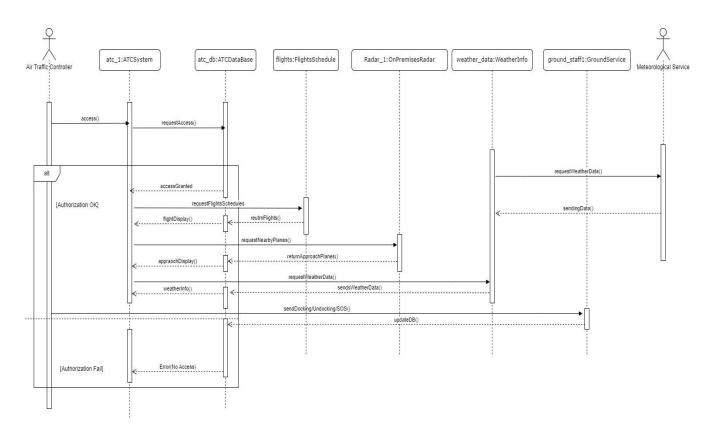
Irtaza – BSCE20033

Abdullah - BSCE20007

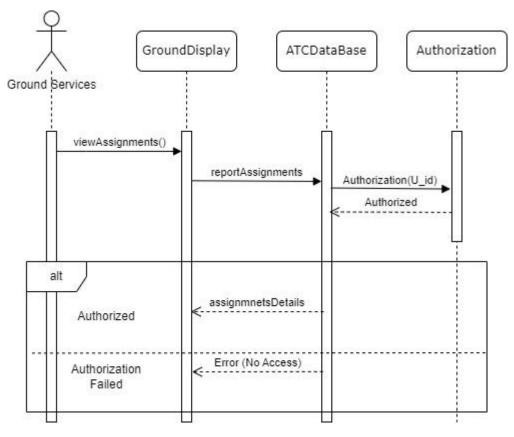
Muneeb - BSCE20016

Sequence Diagrams:

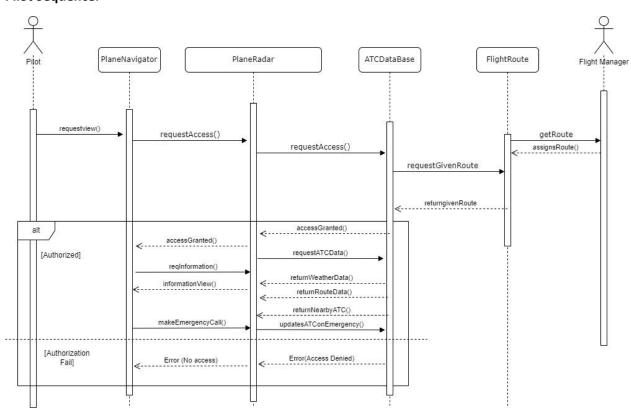
ATC Sequence:



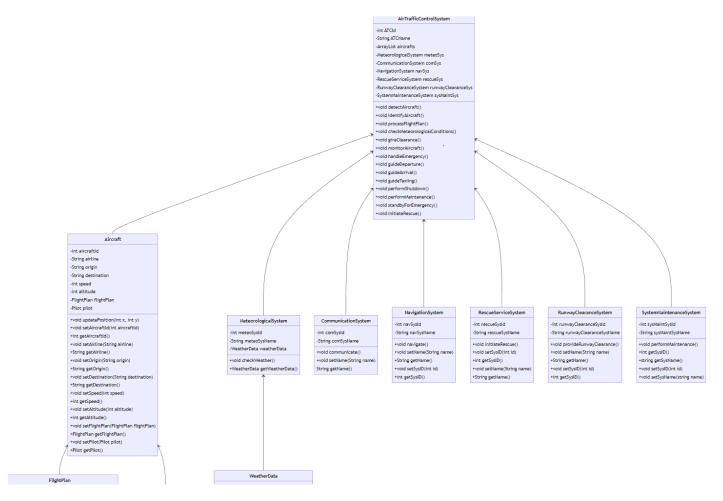
Ground Sequence:

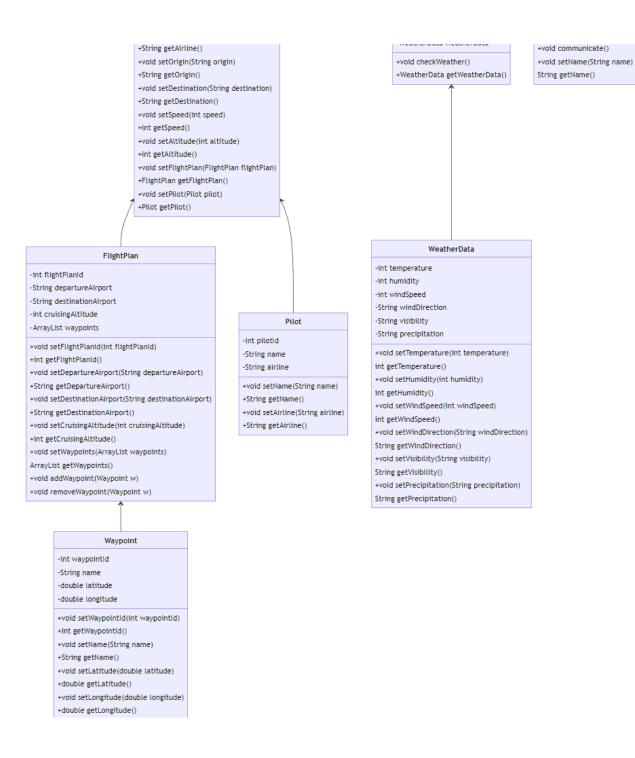


Pilot Sequence:

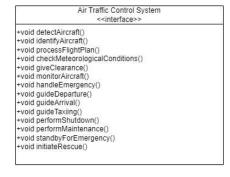


Class Diagram:





Interface Diagram:

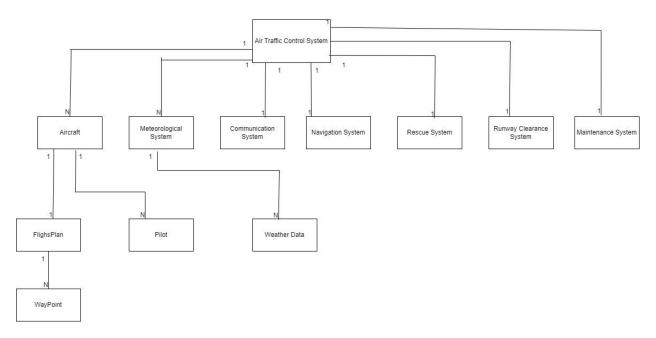


Aircraft
<<interface>>
+FlightPlan getFlightPlan()
+Pilot getPilot()
+void setFlightPlan(FlightPlan flightPlan)

Meteorological <<interface>> +WeatherData getWeatherData()

FlightPlan
<<interface>>
+void setWaypoints(ArrayList waypoints)
ArrayList getWaypoints()
+void addWaypoint(Waypoint w)
+void removeWaypoint(Waypoint w)

System Context Diagram:



State Diagram:

