if adding flight:

get Plane ID from Plane class

find aircraft given numPassengers and start/end time and date

if no plane available:

flight cannot be scheduled

else:

get Pilot, Copilot, 3 crew members for the given start/end time and date

if crew is not available (i.e. assigned to another flight at same time):

flight cannot be scheduled

else:

schedule flight

mark crew and aircraft as “busy” for the given date and time period

if updating flights:

go through all schedule flights to determine which are active based on current time

for each active flight:

if current time > end time:

mark flight completed

mark crew and aircraft as “free”

else:

go to next flight

if adding a crew member:

get user input for crew ID

find crew member with ID

if crew member does not exist:

get user input for name, type, status

else

return saying crew member already exists

if adding an aircraft:

get user input for tailNum

find aircraft with tailNum

if aircraft does not exist:

get user input for make, model, numSeats, range, status

else

return saying aircraft already exists

if deleting flight:

get Plane ID from user input

find the matching flight based on the Plane ID

check if flight is active based on the time

if not:

remove Plane ID from Flight Schedule

mark aircraft and crew members as available

else:

return saying flight is currently active

if deleting crew member:

get crew ID from user input

find matching crew member with the ID

check if crew member is scheduled on a flight

if not:

remove crew member from airline staff

else:

replace crew member on flight

if deleting aircraft:

get tailNum from user input

find matching plane with tailNum

check to see if aircraft is active

if not:

remove plane from aircrafts

else:

return saying the aircraft is currently active

if printing all entries in a flight schedule:

print all

if printing all entries in airline staff:

print all

if printing all entries in aircrafts:

print all

if printing the details for a singular flight:

find Plane ID

if Plane ID does not exist:

return saying Plane ID does not exist

else:

print details for flight with that Plane ID

if printing details for a singular crew member:

find ID

if crew member does not exist:

return saying crew member does not exist

else:

print details for crew member with that ID

if printing details for a plane:

find tailNum

if tailNum does not exist:

return saying aircraft does not exist

else:

print details for plane with that tailNum