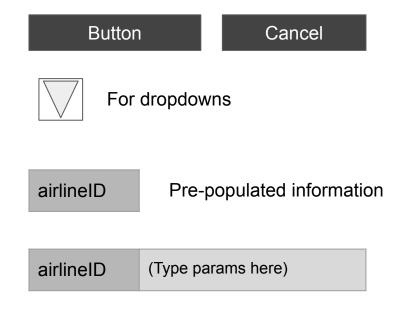
#### Phase 4 Screens Examples

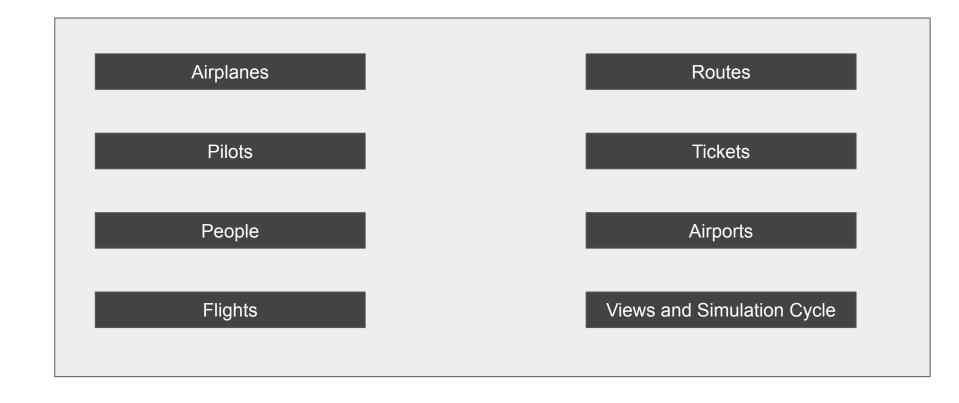
- These screens are for example purposes only. You have the complete freedom for most design aspects (other than the ability to sort)
- The data in these examples might not be consistent with each other and with the initial data provided. The data is for the purpose of Examples Only
- Some of the text fields have a drop down next to them. This is not a required feature, merely a implementation choice. If you decide to have a dropdown, ensure that you can add new text manually as well incase the information to be added does not pre-exist in the dropdown menu.
- Your application should not crash if a constraint is broken. An error message popping up or the action not being completed are examples of dealing with constraints not being satisfied.

# Screen Mockups for Airline Management System

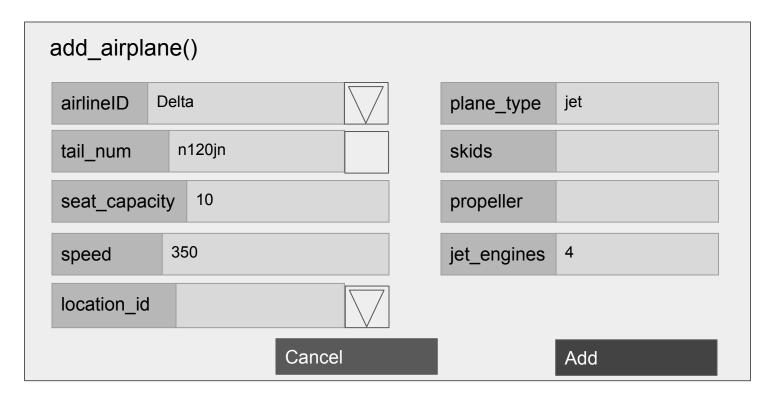


Sort in ascending order(only applicable for the views)

# Simple Airline Management System (SAMS)



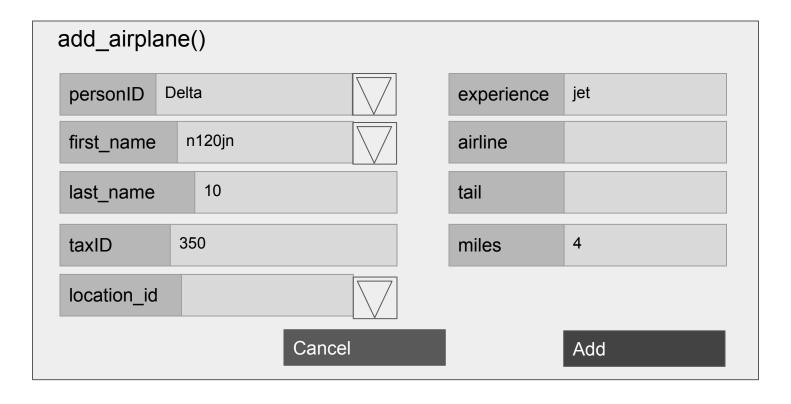
#### [1] Add Airplane



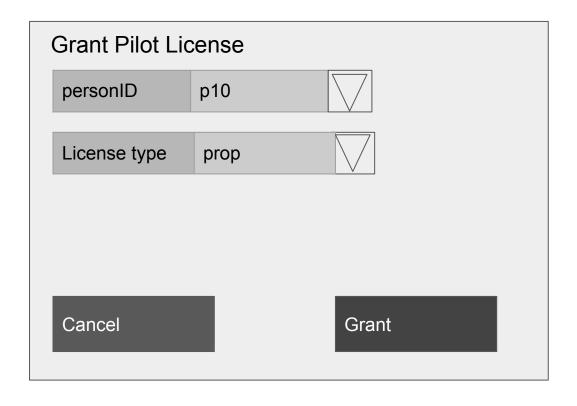
### [2] Add Airport



#### [3] Add Person



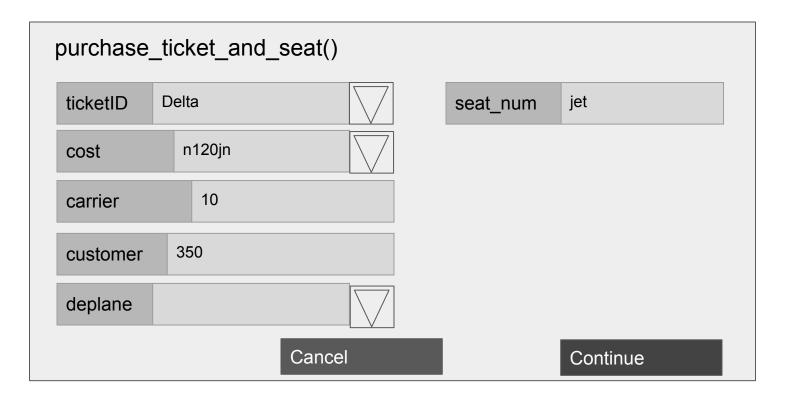
#### [4] Grant Pilot License



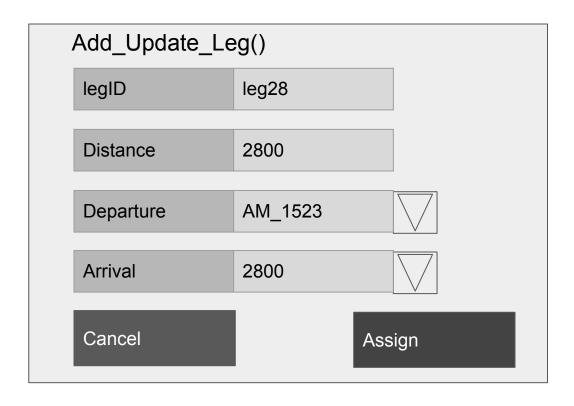
#### [5]offer\_flight



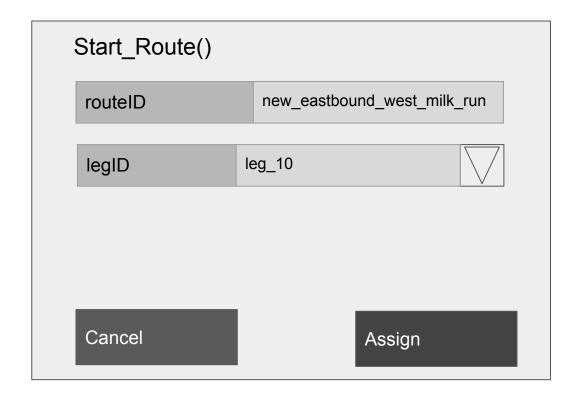
#### [6] purchase\_ticket\_and\_seat()



## [7] Add\_Update\_Leg()



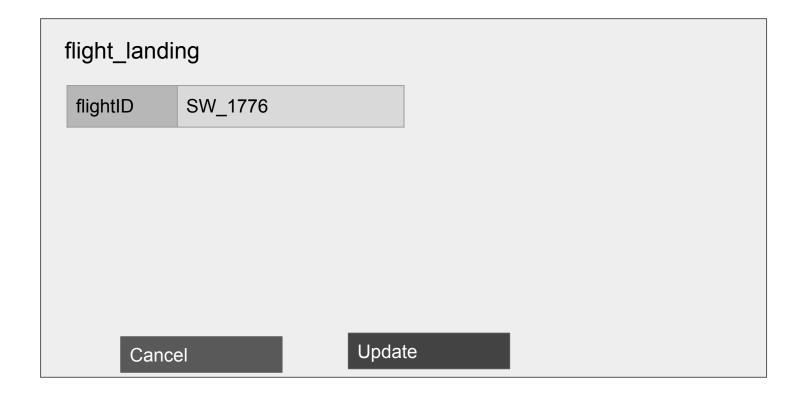
## [8] Start\_Route()



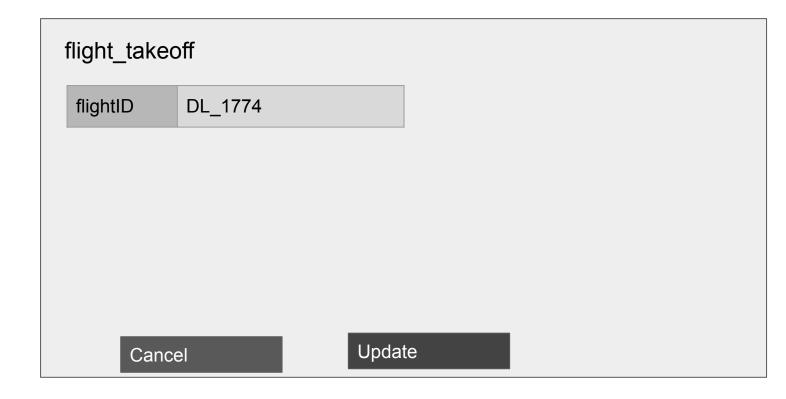
## [9] Extend\_Route()



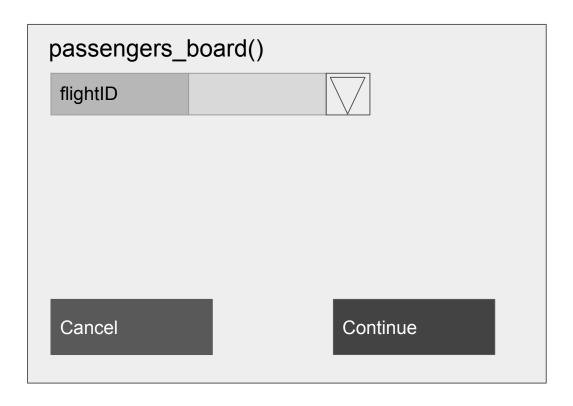
# [10]flight\_landing



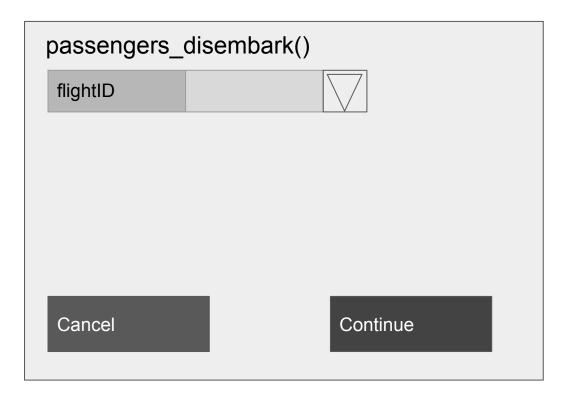
# [11] flight\_takeoff



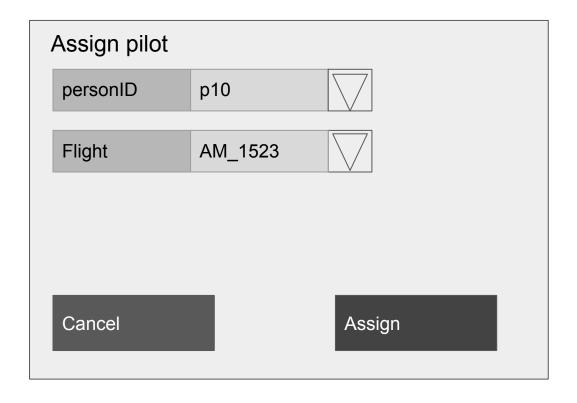
#### [12] passengers\_board()



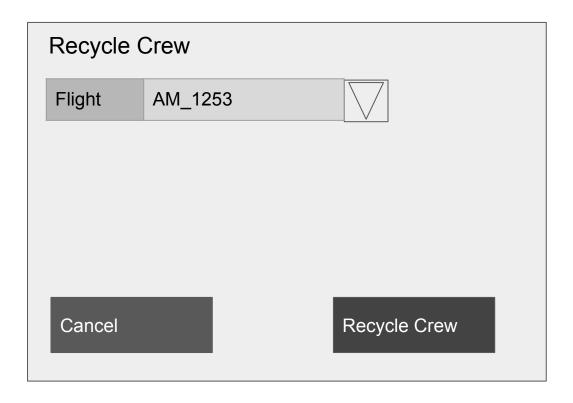
## [13] passengers\_disembark()



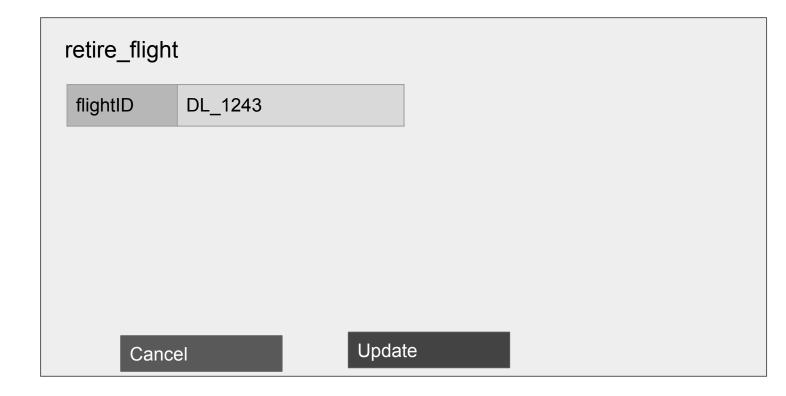
## [14] Assign Pilot



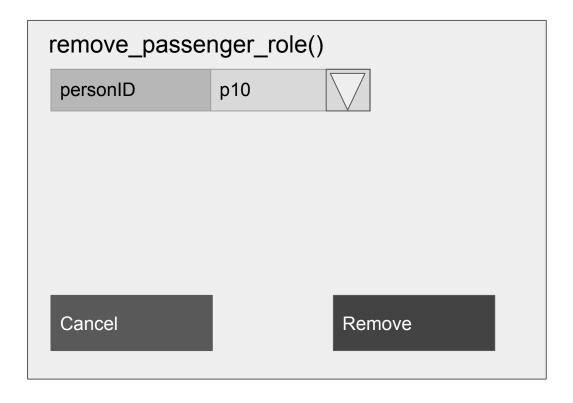
## [15] Recycle Crew



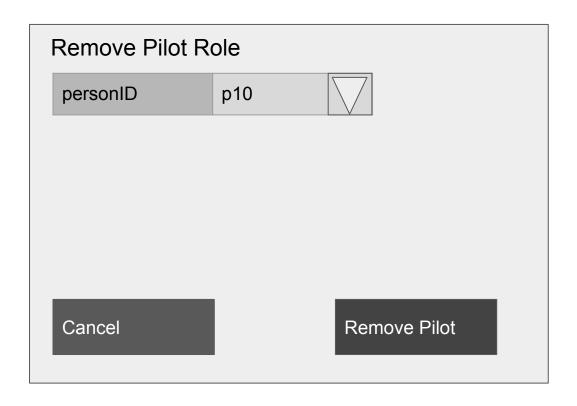
## [16] retire\_flight()



#### [17] remove\_passenger\_role()



## [18] Remove Pilot Role



# [19] Flights In The Air

flights\_in\_the\_air()

Departure Airport	Arrival Airport	Number Flights	Flight List	Earliest Arrival	Latest Arrival	Airplane List
DAL	HOU	1	SW_610	11:30:00	11:30:00	plane_11
LAX	ORD	1	SW_1776	14:00:00	14:00:00	plane_9

## [20] Flights On The Ground

flights\_on\_the\_ground()

Departing From	Number Flights	Flight List	Earliest Arrival	Latest Arrival	Airplane List
ORD	1	AM_1523	14:30:00	14:30:00	plane_4
ATL	1	DL_1174	08:00:00	08:00:00	plane_1

# [21] People in the air

people\_in\_the\_air()

departure	arrival	Airplane Count	Airplane List	Flight List	Earliest Arrival	Latest Arrival	Pilot Count	Passenger Count	Person Count	Person List
DAL	HOU	1	plane_1 1	SW_610	11:30:00	11:30:00	1	2	3	p12,p32, p33
LAX	ORD	1	plane_9	SW_177 6	14:00:00	14:00:00	2	2	4	910,p11, p30,p31

## [22] People in the ground

people\_in\_the\_air()

departure	location	airport_name	city	state	pilot count	passenger count	people count	person list
ATL	port_1	Hertsfield-Jackso n Atlanta	Atlanta	GA	0	2	2	p38,p43
DCA	port_9	Ronald Reagan Washinton	Washington	DC	0	1	1	p39

# [23] Route Summary

#### route\_summary()

Route	Number of Legs	Leg Sequence	Route Length	Number of Flights	Flight List	Airport Sequence
circle_east_coast	3	leg_4, leg_20, leg_7	1800	2	DL_3410, SP_1880	ATL->ORD, ORD->DCA, DCA->ATL
circle_west_coast	3	Leg_18, leg_10, leg_22	2800	2	AM_1523, UN_717	LAX->DFW, DFW->ORD, ORD->LAX

# [24] Alternative Airports

#### route\_summary()

City	State	Number of Airports	Airport Code List	Airport Name List
Anchorage	AK	2	ANC,MRI	Ted Stevens Anchorage International Airport, Merill Fiield
Chicago	IL	2	MDW,ORD	Chicago Midway International Airport,O_Hare International Airport

# [25] Simulation\_Cycle()

