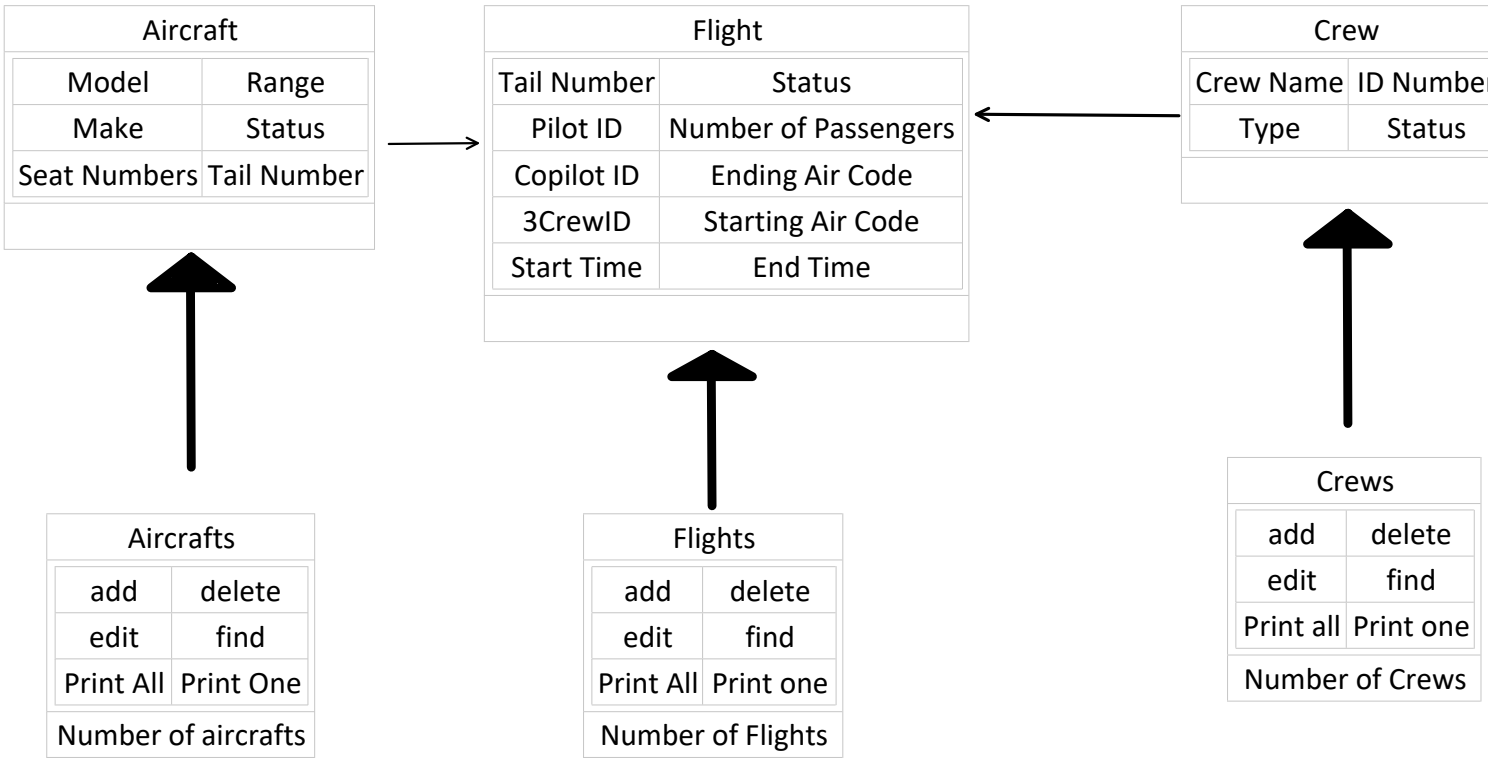
Ricardo A. Garza
Mean Green Airlines Homework
4
CSCE 1040.001

Homework 5 Class Diagrams

Saturday, December 2, 2017 4:54 PM



Aircraft Class

Wednesday, November 1, 2017 9:42 AM

Aircraft	
Get Model	Get Status
Get Make	Get Range
Get Seat Numbers	Get Tail Number
Add Model	Add Range
Add Make	Add Status
add Seat Numbers	Add Tail Number
Print Data	

String Model	Int Range
String Make	String Status
Int Seat Numbers	Int Tail Number

Aircrafts Class

Wednesday, November 1, 2017 9:51 AM

Aircrafts	
add	delete
edit	find
Print All	Print One
Number of Aircrafts	

Flight Class

Wednesday, November 1, 2017 10:09 AM

Flight	
Add Tail Number	Add Status
Add Pilot ID	Add Number of Passengers
Add Copilot ID	Add Ending Air Code
Add 3CrewID	Add Starting Air Code
Add Start Time	Add End Time
Get Tail number	Get status
Get Pilot Id	Get number of passengers
Get copilot id	Get Starting Air code
Get crew id	Get Ending Air Code
Get start time	Get End time

Int Tail Number	Int number of passengers
Int Pilot Id	Int End code
Int Copilot Id	Int Start code
Vector<int> crew id	String Status
String time start	String Time End

Flights Class

Wednesday, November 1, 2017 10:15 AM

Flights	
Add Flights	Delete Flights
Edit Flights	Find Flights
Print All	Print one
Number of Flights	

Crew Class

Wednesday, November 1, 2017 10:03 AM

Crew	
Add Crew Name	Add ID Number
Add Type	Add Status
Get Crew Name	Get Id number
Get Type	Add Status
Print	

String Name	Int Id
String Type	String Status

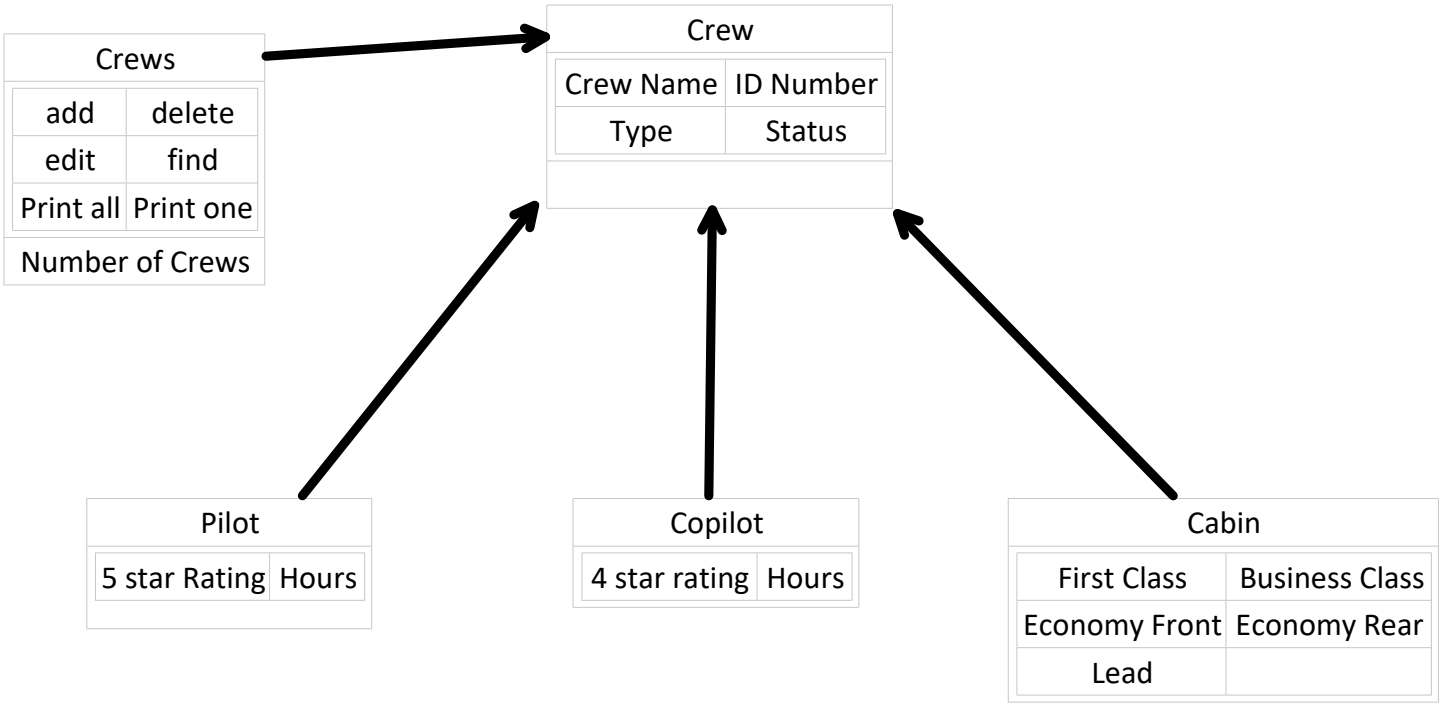
Employees Class

Wednesday, November 1, 2017 10:06 AM

Employees	
Add crew member	Delete crew member
Edit crew member	Find crew member
Print all	Print one
Number of Crew	

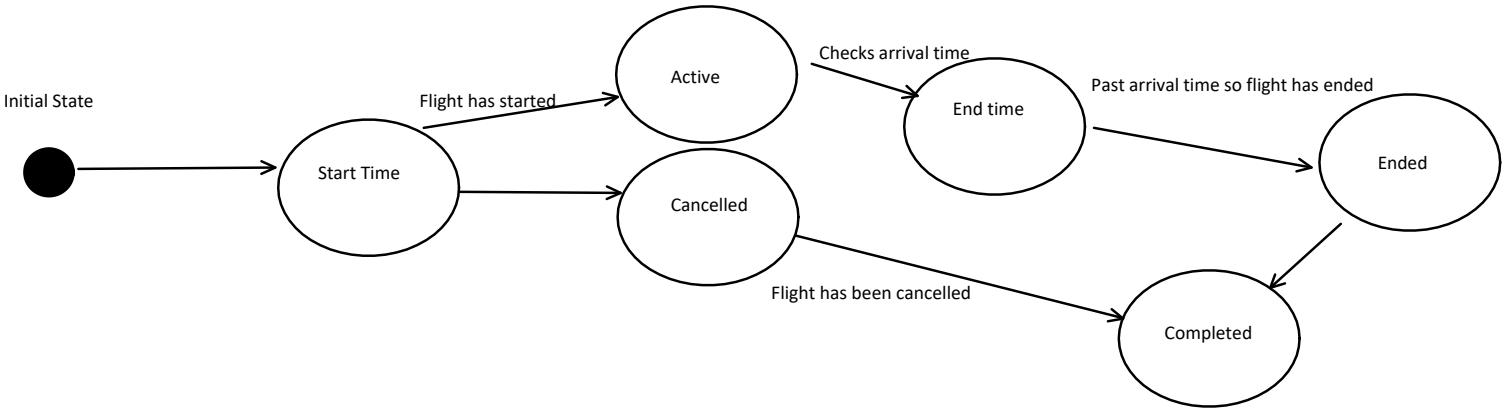
Class Diagrams

Saturday, December 2, 2017 4:31 PM



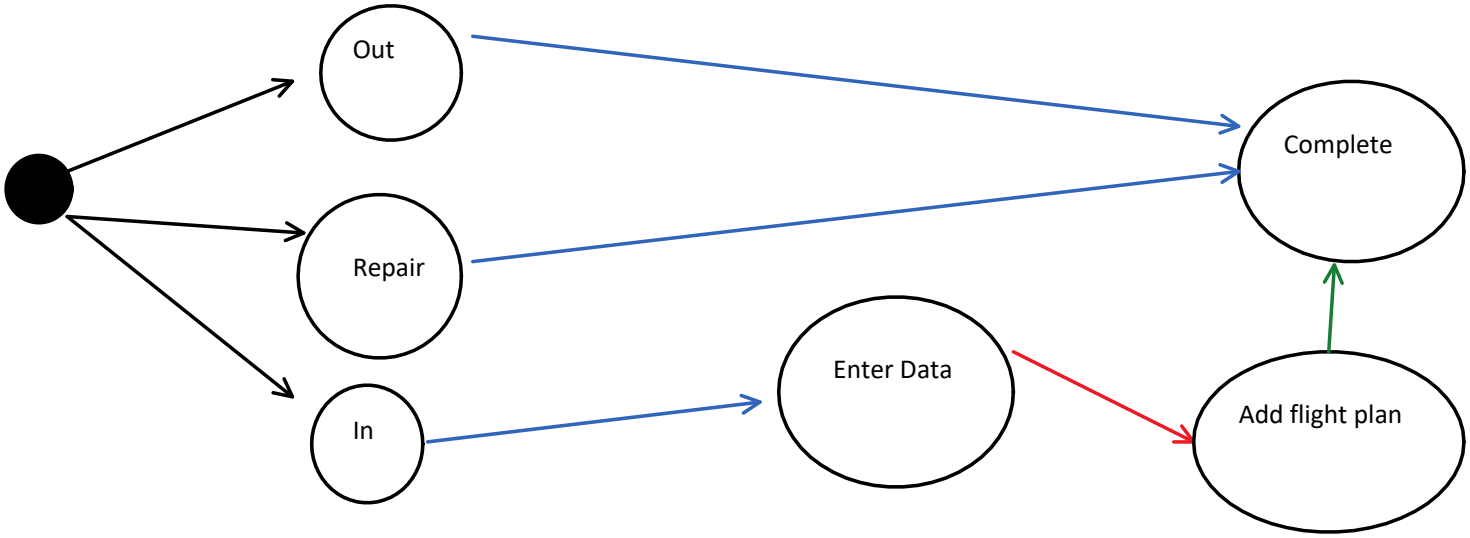
Flight State Diagram

Wednesday, November 1, 2017 1:58 PM



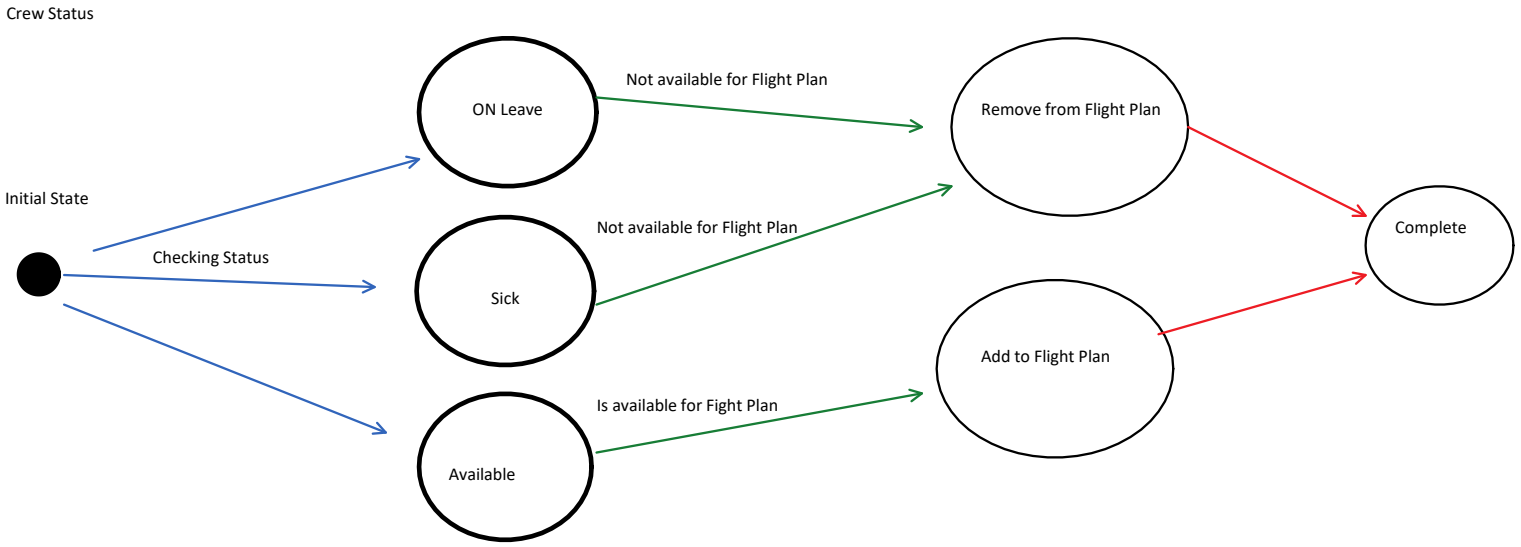
Aircraft State Diagram

Wednesday, November 1, 2017 1:58 PM



Crew State Diagram

Wednesday, November 1, 2017 9:40 AM



Design Experience

Making the class diagram was easier to understand then writing out an entire algorithm. Usually when I write the algorithm I will not be able to see the whole picture even though I am the one writing it. Using the class and state diagram I can see better what I am trying to do. I can also see what is going to interact with what. The state diagram also show what objects are going to be changing during the execution of the program. It made understanding that the entity was the one changing states and not the collection changing states.