CS 3500 — Exam 1 Part A

Instructions:

- This is a do-it-all-by-yourself exam. You are not allowed to communicate with any current and past students of the course in any way during the exam.
- You are allowed to use an IDE, or any other text editor on your computer. The only online resources you are allowed to use are the course web page, and the official Java documentation by Oracle.
- Please submit on time. The times will be enforced strictly by the server. If you try to submit in the final seconds and are unable to due to a slow server response, you will not be able to submit anything! You cannot use any late days, or otherwise submit later for partial credit.
- If you have a question, please email your instructor privately over Teams (quicker) or email.

Good luck!

An interface for describing airplane flights	p. ??
An implementation of Flight	p. ??
Information about a group seat reservation	p. ??
An airline, that manipulates flights and reservations	p. ??
	An implementation of Flight Information about a group seat reservation

Figure 1: Class and interface index

The questions on this exam are related to a set of classes and interfaces that implement the ticketing and reservations system for Epsilon, a new budget airline.

Write of	down if	the	statement	is	true	or	false	for	the	imple mentation	as	given	to	you.
Briefly	explain	all	your answe	ers.										

Please submit your answers in Part A for your section on the submission server.

1.	(3 points) Customers cannot directly or indirectly mutate the flightManifest existing Flights in an Epsilon object.		ny F
2.	(3 points) There is no way for customers to obtain a Reservation object just by Epsilon's methods.		ng F
3.	(3 points) It is an invariant of the BasicFlight class that availableSeats is betwand capacity (inclusive).		ı 0 F
4.	(3 points) It is possible for a user of Epsilon to change the destination of an exflight.		ng F
5.	(3 points) It is possible for a customer of Epsilon to create more empty seats on a by repeatedly canceling an existing confirmed ticket.	_	ht F