CIS 2430 A2 README/Checklist

Name:	Aqsa Pehlvi
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Partner's name (if applicable)	
Percentage of your submission that is taken from the starter code provided (approximately)	50%
How to run your application: provide the exact string to type to compile it, and run it. Must be runnable on the command line.	-First compile in current directory using javac *.java -then cd into Univ directory and compile using javac *.java -cd back into original directory and use java Plannerf to run the program.
Notes for TAs (anything special we should know when grading your assignment)	

Learning Outcomes	3 examples from your code. File name, line number
refactor and restructure class design for improved encapsulation, modularity, cohesion and coupling	I created a package called Univ that contains CourseCatalog and Course. This encapsulated the setters in CourseCatalog and Course, which was needed in this program to make sure that the student-related classes could not change course info. This way only classes within the package could use the setter methods. Examples, 1. Course.java, line 40 2. Course.java, line 55 3. CourseCatalog.java, line 32

demonstrate use of inheritance through super/sub classes as well as through the use of interfaces	I used inheritance through implementing the degree classes. Inheritance examples: CS.java, line 55 Honours.java, line 4 Super class example: CS.java, line 15(super class is Honours)
demonstrate clear understanding event driven programming through well designed listeners and gui components	Plannerf.java, line 109 Plannerf.java, line 232 Plannerf.java, line 410
demonstrate service-based error handling through a rich set of exception classes that communicate specific errors to client classes	
create a repeatable testing suite and justify the choice of test cases	
design and create a graphical user interface that is learnable and usable	Plannerf.java
use inner classes, anonymous classes, and/or lambdas effectively	Plannerf.java, lines 166, 184, and 557

Required elements	Examples from your code (File name, line number) – more than one example preferred
Exceptions and try/catch loops	Plannerf.java, line 244
Error prevention/handling (might also be try/ catch or might be input checking)	In Course.java, lines 41-52, checked to make sure the courseCode had 4 digits in it in order to be valid
Two different layout managers	FlowLayout Plannerf.java, line 218 Palnnerf.java, line 271
Separate window/panel for administration	Plannerf.java, line 69
Listeners	Plannerf.java, line 166 Plannerf.java, line 184 Plannerf.java, line 311
Course class refactored and immutable	1. Course.java, line 40 2. Course.java, line 55 3. CourseCatalog.java, line 32

Attempt class created	Attempt.java
Classes in package	Course.java and CourseCatalog.java are in the Univ package
Refactor Plan of Study (include how/where you provided the functionality if you eliminated POS)	Added 2 collections to Student class Attempt collection: Student.java, line 9 Course collection: Student.java, line 10 -added getters and setters for Attempt and Course in student, Student.java, lines 108-130 so that you can still access/set the Attempts and courses for each student. -created a new field, getter and setter called semesterOffered in Course.java. lines 11 and 25
Database usage	Accessed Database through CourseCatalog, called course catalog in Planner.java, line 111
Javadoc comments (the most complete examples)	
Evidence of testing	

INSTRUCTIONS FOR PARTNERS
Partners must each complete this sheet and both partners must submit. If you do not submit you will not get a grade for A2. Complete this sheet in such a way as to illustrated YOUR contribution to this assignment.