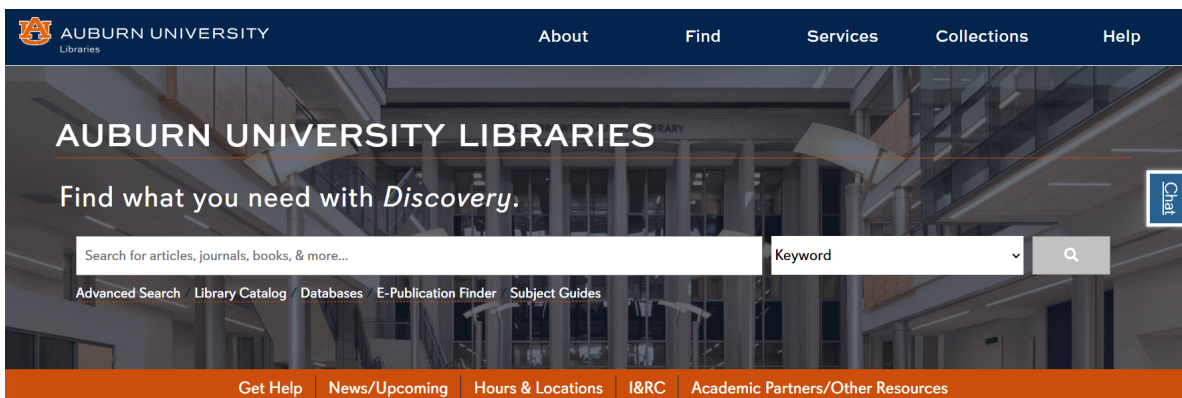


COMP 3700: Project 1

Points Possible: 100 Deadline: 11:59pm Feb 2nd, 2024

There are several “categories” if students plan to borrow books from our library. For example, Li would like to improve teaching skills, therefore learning skills from the history is the best solution to guide Li in the future. Surprisingly, a textbook “Aviation Instructor’s Handbook” is saved in the library. Li needs several steps to “grab” this book. For example, type the textbook name on AU library website to see where it is i.e. which collection area, which floor, which shelf (alphabetically).



Unfortunately, currently the library app and website are under maintenance. They are not open to users until a clear class diagram is presented by software developers. What can you do to accelerate it? Based on the description above, please draw a class diagram via argoUML and submit .zargo file in Canvas.

Notes: As a designer, think about 1) what info users need; 2) how software provides info; 3) from perspective of software design, what additional info you need i.e. what if users don’t return books on time.

In your class diagram, not only provide all necessary class boxes, but also indicate relationships.

Rubrics:

1. Please list class names. (18 points)
2. For each class, please add proper info – at least one attribute and operation. If no ops, please indicate N/A-- for software engineers to define

them. (37 points)

3. Please indicate the relationship among classes with proper types of lines.
(20 points)

4. Please specify the multiplicity. (20 points)

5. Submit your solution on Canvas with the format: project1_firstname.zargo.
(5 points)

NO Late Submission:

- Late submissions will not be accepted and will result in a **ZERO** without valid excuses, in which case you should talk to Dr. Li to explain your situation.
- GTA/Instructor will **NOT** accept any late submission caused by Internet latency.

Rebuttal period:

- You will be given a period of two business days to read and respond to the comments and grades of your homework or project assignment. The TA may use this opportunity to address any concern and question you have. The TA also may ask for additional information from you regarding your projects.