

ICSI 405 Final Project

Design and implement an object oriented model

You will propose a project idea yourself and continue through the project following the activities in the table below with your assigned SA's guidance and inputs. An example of the model will be discussed in class

TABLE 1: Timeline

1	Send the SA a one liner description of the OO model you want to implement Things to keep in mind while proposing the idea: <ul style="list-style-type: none">o Need to demonstrate all of below:<ul style="list-style-type: none">♣ Inheritance♣ Composition♣ Use of at least 2 design patterns that were taught in class(no forced usage)♣ Polymorphism♣ Generics♣ Enums if applicable	11/24/2018
2	Send the SA your design: <ul style="list-style-type: none">• What classes, interfaces, abstract classes will you implement, what data structures you will use and why• UML diagrams (can use openly available tools or use MS Visio if available free from college)• The methods you will implement (include in your UML). You can add more methods later	12/01/2018
3	<ul style="list-style-type: none">• Implementation submission on blackboard• Word document (report) of your design and implementation	Check final deadline on blackboard

Grading

TABLE 2: Grading breakup

Choice of topic	10
UML diagram	15
Project overall design, use and choice of data structures	20
Implementation	45
Comments and documentation	10

No deadline miss	5
Total	100 + 5 bonus

SA assignments

Refer to excel doc on blackboard

Guidelines

1. You can only correspond to the assigned SA for final project related tasks. For anything else, you are free to talk to all of them
2. Email guide for this project (STRICTLY FOLLOWED)
 - a. Subject: CSI 405 Final Project
 - b. Send to
 - i. If proposing project idea send email to ALL SAs
 - ii. If asking question, just send to your assigned SA
 - iii. Once topic is approved you may just communicate with your assigned SA
3. All the deadlines where approval is needed, will be considered strictly. For example, if the SA rejects your idea on the last day, you need to get the new idea approved before the deadline. Now you cannot assume that the SA will be awake all night waiting for your email. So please consider this approval overhead. In short, do it earlier rather than scrambling when you near the deadline.