CIS641
Fall 2023

Assignment 5 (group)
Due by: November 21st at 11:59pm
100 points

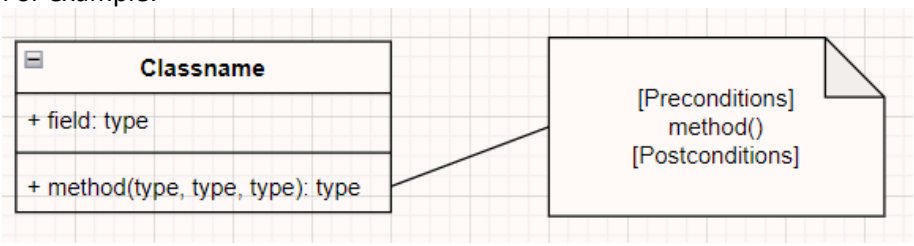
This one is simple! We're now talking about class diagrams, so it is time for class diagrams. Also, you should be making **technical progress** on your term projects, so we'll keep this one simple.

Draw class diagrams for your term project (100 points)

Requirements:

- Your submission must have a minimum of **six classes** in total
  - Note, if you need to spread out your classes amongst multiple diagrams you can (e.g., 2 classes in one, 4 in another, etc., as long as you have 6 in total)

- Each class within the diagram must comprise:
  - A name
  - A list of attributes, including types and privacy settings
  - A list of methods, including types, privacy settings, and any relevant parameters
  - Preconditions and postconditions for **every** function in your classes
    - You can attach a 'note' object to your classes to demonstrate these, you don't necessarily need to fill out the full template for each class.
    - For example:

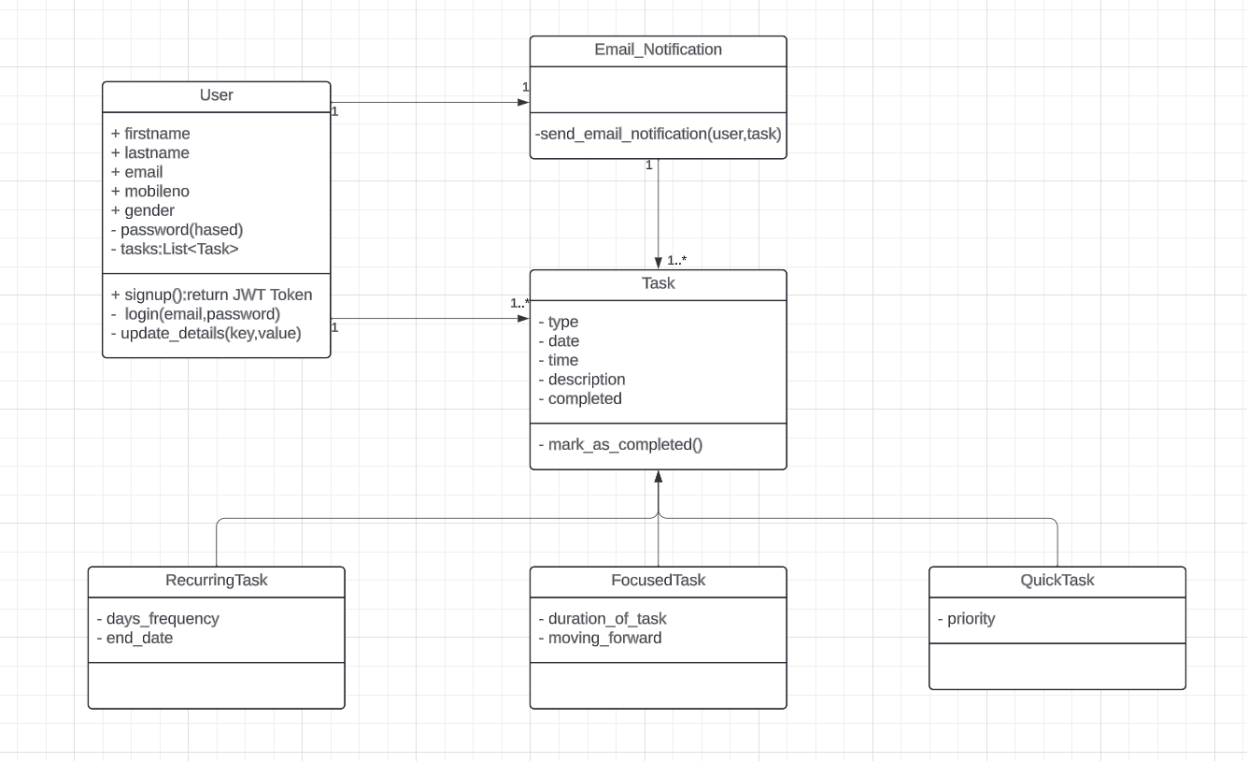


- Draw any relationships necessary for your project. You do not necessarily need any, however if is obvious to me that there *should* be one then it needs to be there (for example, inheritance).

- For each class:
  - Provide an ***additional description*** of its purpose in your overall project (so that I know what it is and its intent).
  - Provide an ***object diagram*** demonstrating it in action.

If you are struggling with what to draw at this point (hint, you shouldn't if you've been doing all the in-class work!) select your use case diagrams and create class diagrams based on those nouns we'd discussed in class.

Class Diagram



Object Diagram