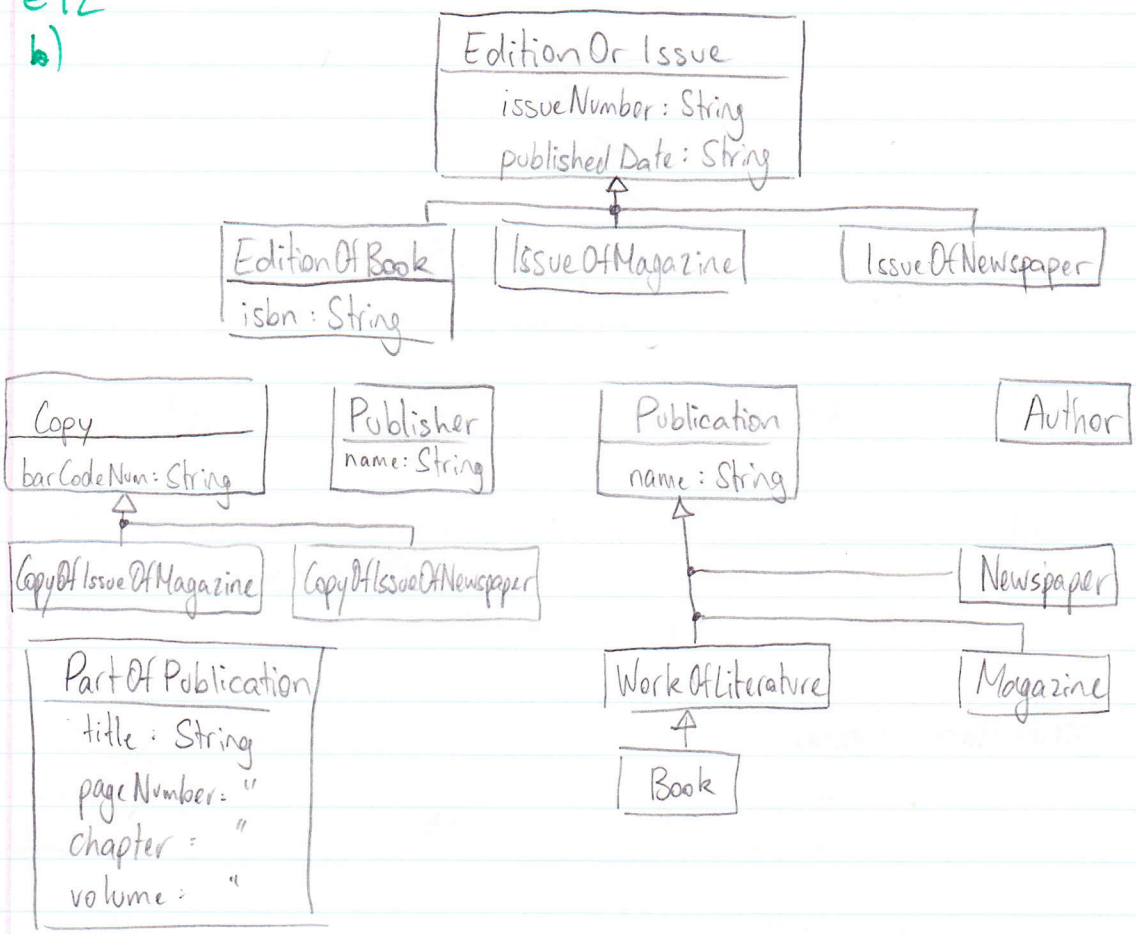
6778524
Sean Floyd

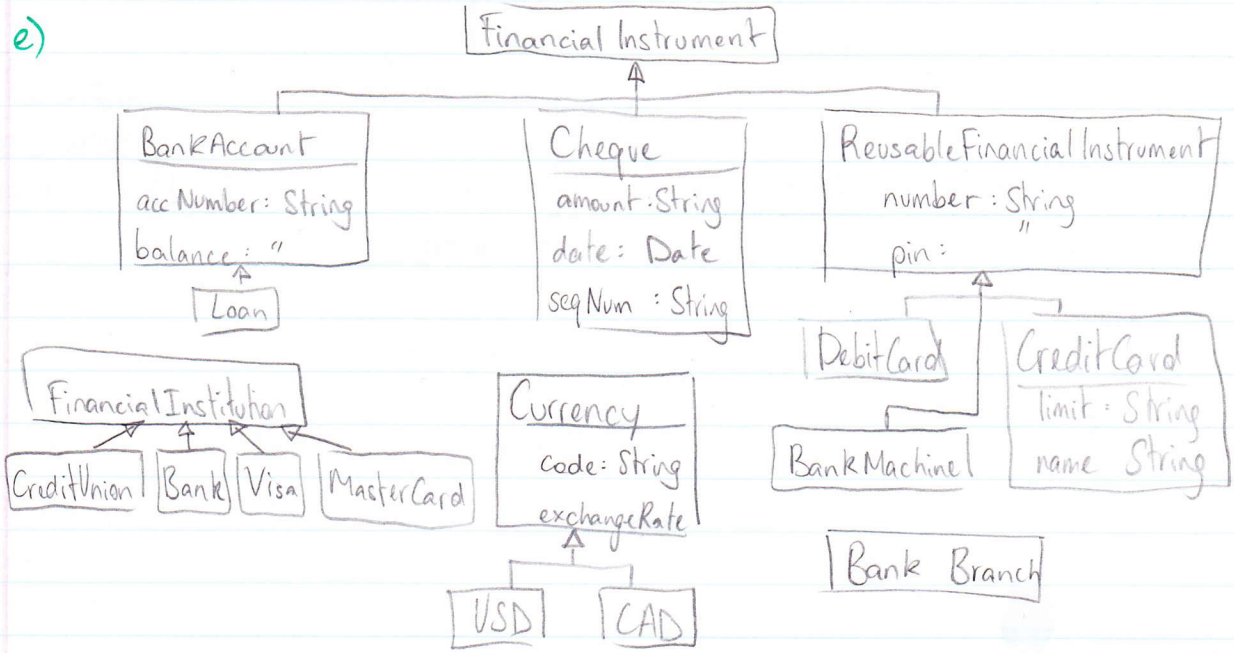
SEG 2105
Asg 1

E12

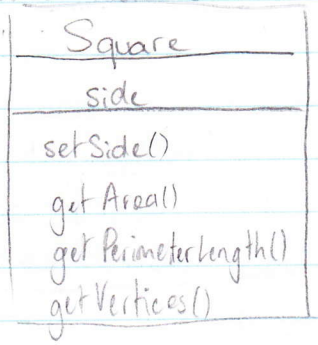
b)



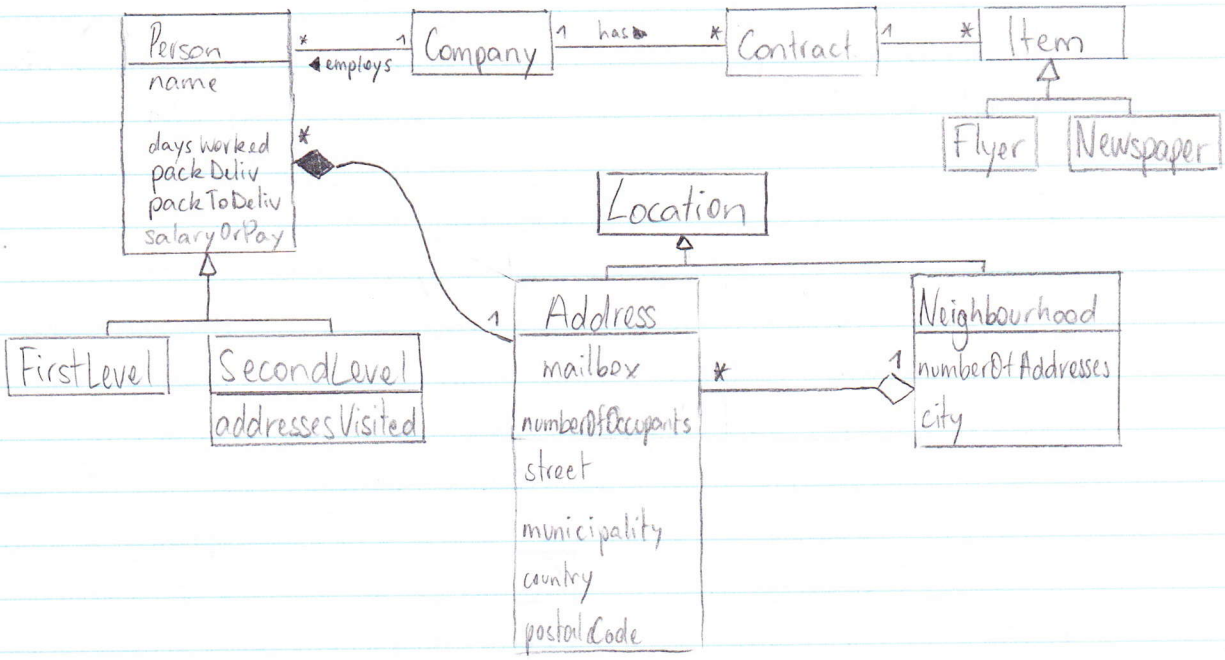
e)



E15 b) Square should be a subclass of SimplePolygon because of its nature as a polygon. If it were a subclass of Rectangle, the programmer would have to rewrite and override the methods in Rectangle and memory usage would not be worth the effort. Many class methods are not necessary either.



E18 b) SimplePolygon calls getCenter() which it inherited so dynamic binding is needed.

c) Polygon calls getBoundingRect(). Dynamic binding would be necessary if we had an instance of RegularPolygon, ArbitraryPolygon or SimplePolygon in our variable.

Distribution System