



# CS F213 - Object Oriented Programming

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Consultation: Appointment by e-mail

<https://github.com/JenniferRanjani/Object-Oriented-Programming-with-Java>



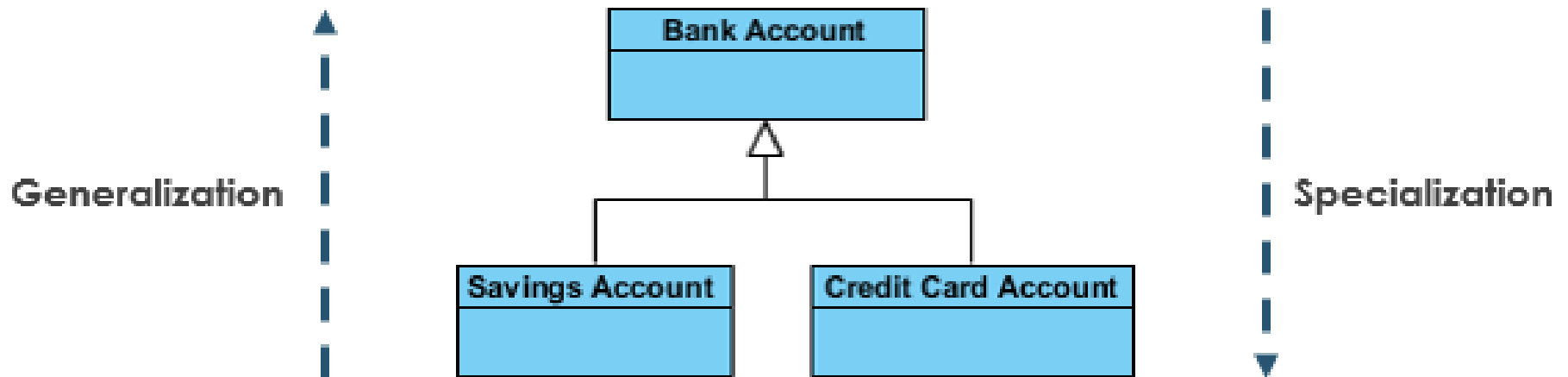
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# Generalization (Inheritance) vs. Specialization

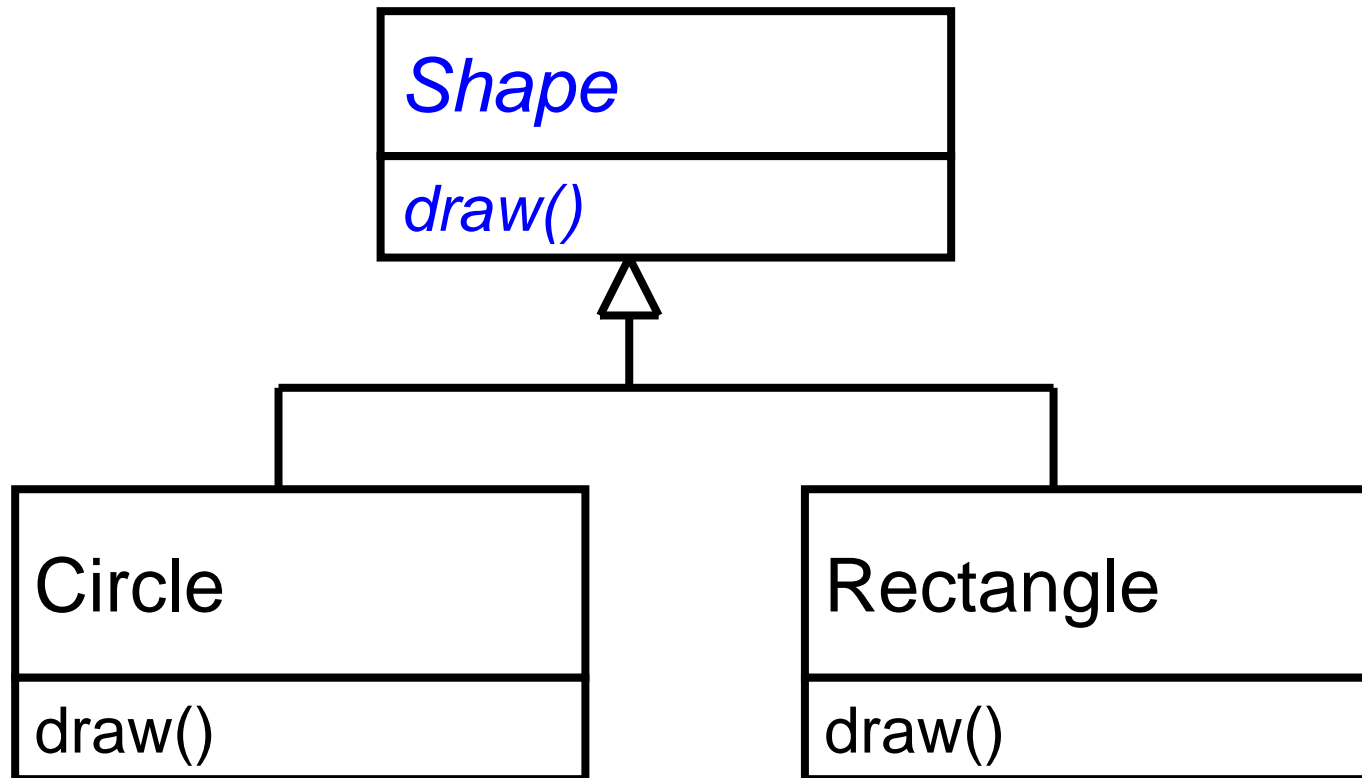


- **Generalization:** It is a mechanism for combining similar classes into a single more general class.
- It defines the commonalities among the set of entities.
- **Specialization:** It is the reverse of generalization i.e. creating new subclasses from an existing class.

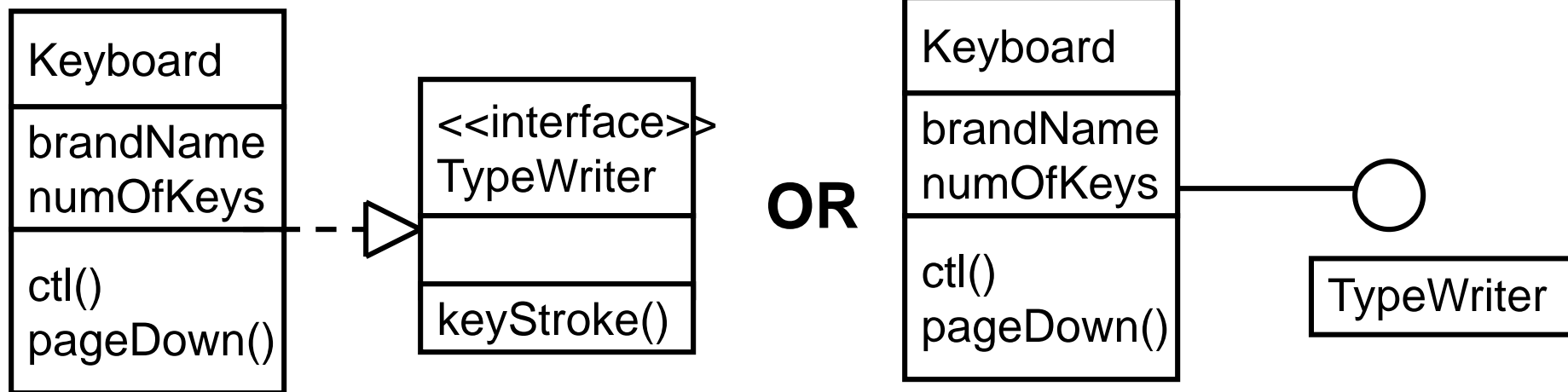
# Example



# Abstract class and abstract methods



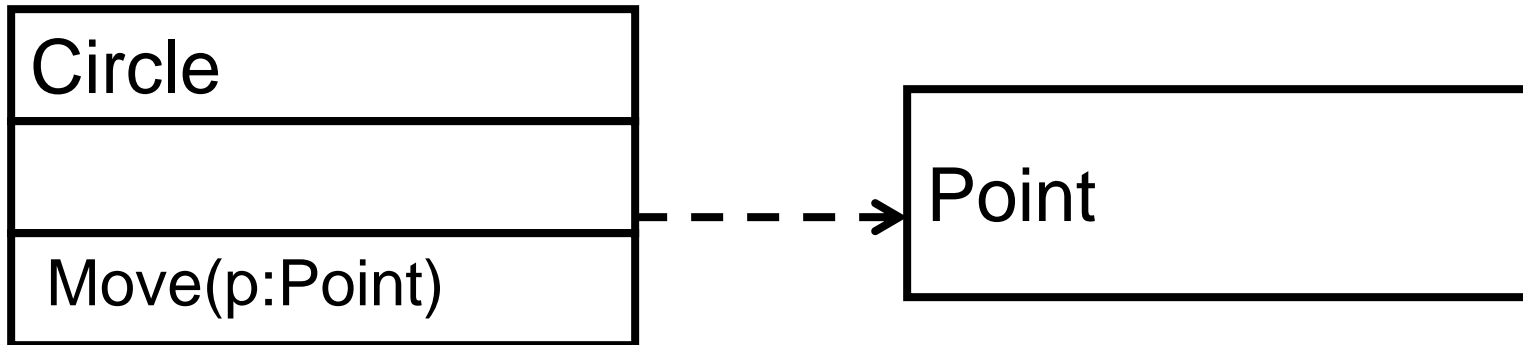
# Realization - Interface



# Dependency



- Change in specification of one class can change the other class. This can happen when one class is using another class.



# Dependency – Classes & Objects

