C++ Programming Generalization Relationship

Mostafa S. Ibrahim Teaching, Training and Coaching since more than a decade!

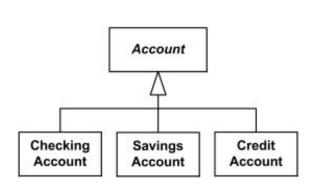
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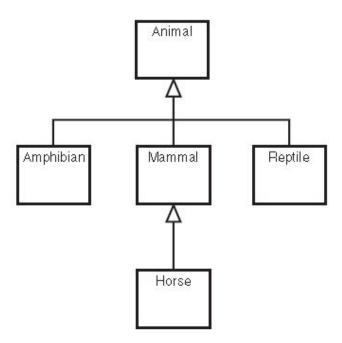


Generalization (Inheritance)

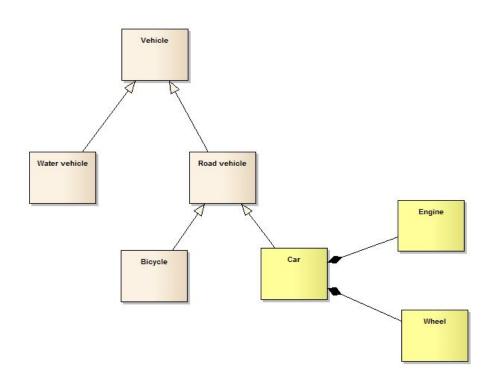
- It represents Is-a relationship
- Student is-a person. Teacher is-a person. Dean is-a person
 - So some common variables/functions + some unique variables/functions
- Circle is-a shape.
 - Rectangle is-a shape. Triangle is-a shape.
- Software Engineer is-an employee.
 - Manager is-an employee.
 - Office Boy is-an employee
- Apple **is-a** fruit. Orange is-a fruit. Watermelon is-a fruit
- (Wagon / Bicycle / Motor vehicle / Railed vehicle) is-a vehicle

Generalization in UML





Generalization in UML



"Acquire knowledge and impart it to the people."

"Seek knowledge from the Cradle to the Grave."