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CIS 200 (W 21, Jie Shen)

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Question 1, Assig. 1: UML + generalization (inheritance) relationship Class Diagram

Class: Phone

Attributes:
- Age (int)
- Price (float)

Functions:
- Phone()
- Phone(int a, float b)
- setAge(int a)
- setPrice(float b)
- getAge()
- getPrice()

Secondary inherits base

Tertiary also inherits base

Class: IPhone
(inherits class Phone)

Attributes:
- Inherits all attributes from class Phone
- AppleID (int)

Functions:
- Inherits all functions from class Phone
- IPhone()
- setAppleID(int x)
- getAppleID()

Tertiary inherits secondary

Class: IPhone12
(inherits class IPhone)

Attributes:
- Inherits all attributes from class IPhone
- AugmentedRealityStatus (bool)

Functions:
- Inherits all functions from class IPhone
- IPhone12()
- setAugmentedRealityStatus(bool x)
- getAugmentedRealityStatus()