The University Of Azad Jammu and Kashmir Muzaffarabad

Object Oriented Programming ----------- Assignment NO #01

Name   Jawahir Ali

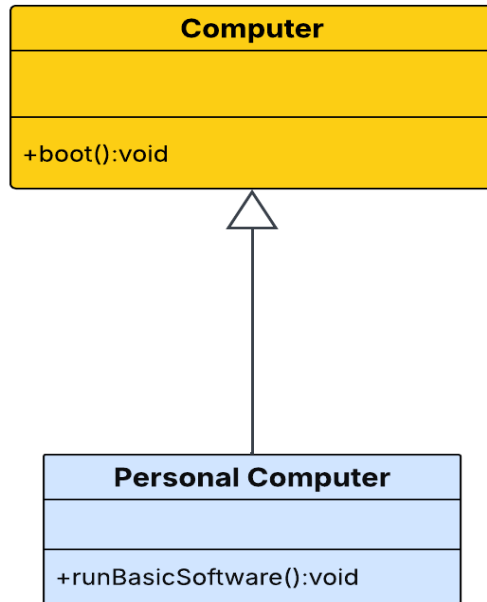Roll No   2024-SE-34

Session   2024-2028

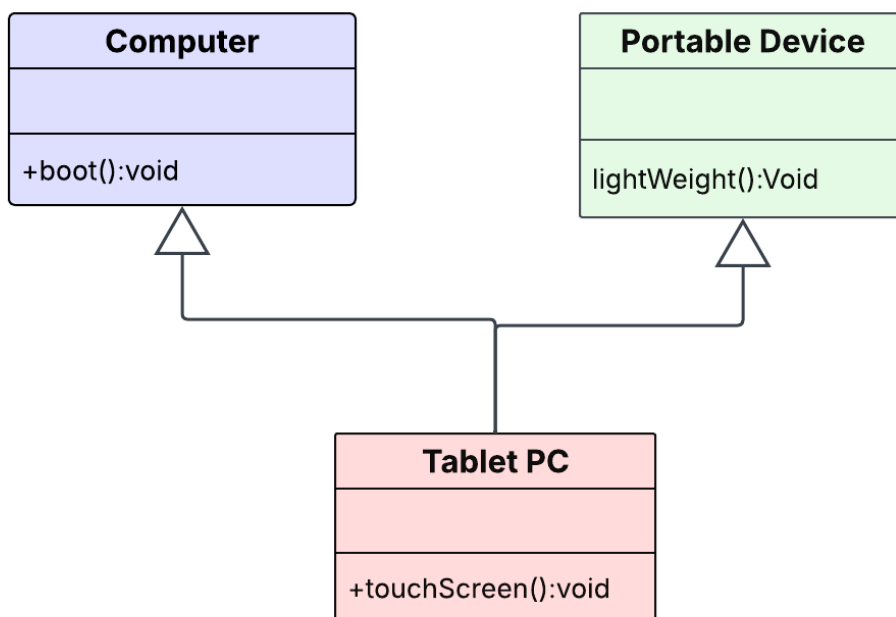Course Title   Objected Oriented Programming

Course   Code CS-1204

Instructor   Awais Rathore

Department Of Software Engineering
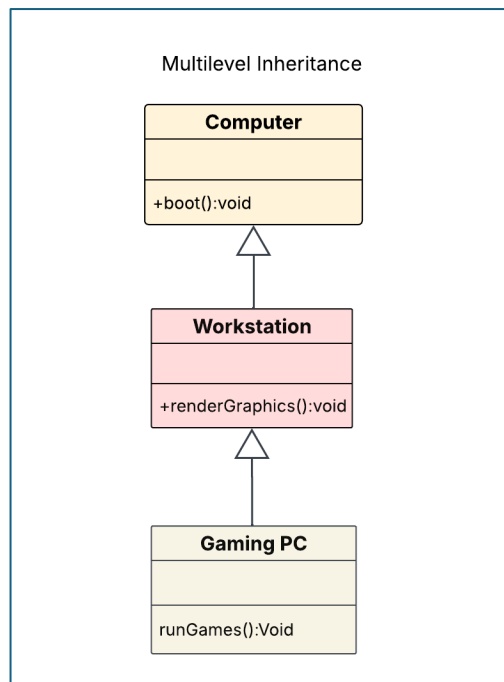
Single inheritance

Computer

+boot():void

Personal Computer

+runBasicSoftware():void

Multiple inheritance

Computer

+boot():void

Portable Device

lightWeight():Void

Tablet PC

+touchScreen():void

Multilevel Inheritance

Computer

+boot():void

△

Workstation

+renderGraphics():void

△

Gaming PC

runGames():Void

Hierarchial Inheritance

Computer

+boot():void

Server

manageNetwork():Void

Laptop

+hasBattery():void

Desktop

+hasTower()
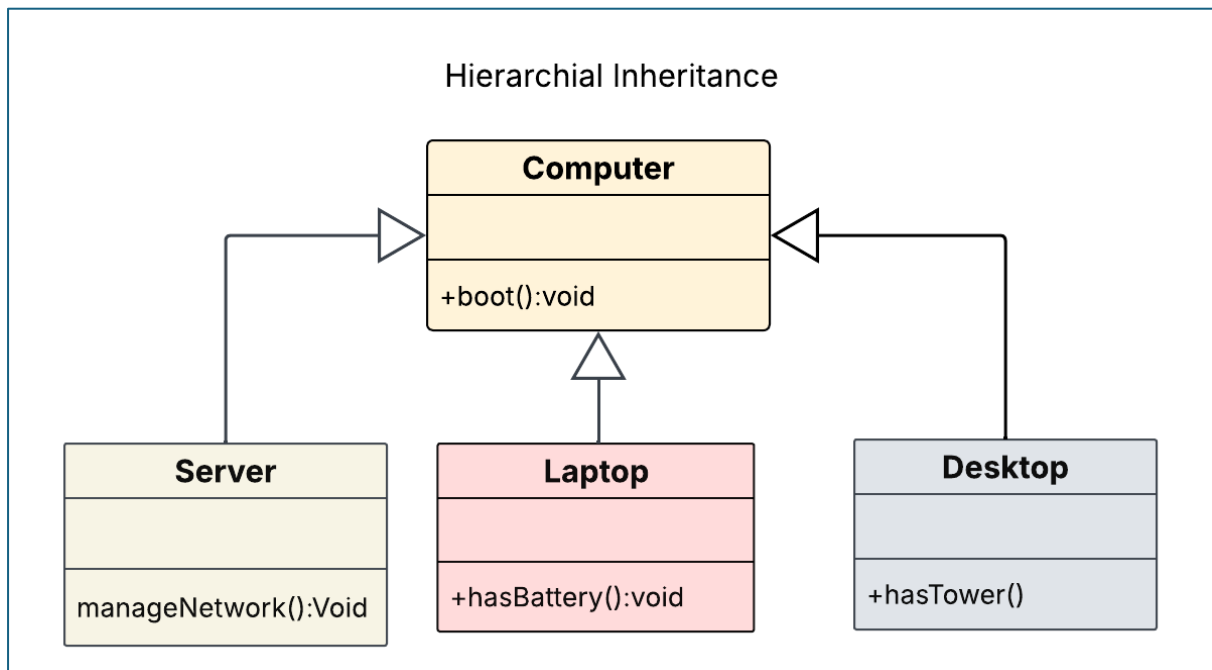
Hybrid Inheritance

Computer
+boot():void

Portable Device
+lightWeight():void

Laptop
+hasBattery():void

Tablet
+hasBattery():void

Ultrabook
+PremiumDesign():void

Composition and Aggregation

Computer

+name : String

+computer()
+boot()

CPU

+speed:float

+CPU():void
+process(:void

Keyboard

+type: string

+keyboard():void
+type:void