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CS230 - Assignment 1-5

Briefly describe the OOP concepts being used in the UML Clas Diagram:

1. This program represents an example of a Bicycle class in Java. It demonstrates the use of constructors, method overloading, inheritance, and the "IS A" relationship between classes.
2. The Bicycle class also has multiple constructors that can be used to create instances of the class with different attributes. The outputData method is used to display the details of a Bicycle object.
3. The setColor method is an example of method chaining, where multiple methods are called on the same object in a single line of code.
4. The "IS A" checks demonstrate the concept of inheritance, where a Bicycle object can be considered an instance of the Bicycle class, the TwoWheeled class, the Vehicle class, and the Object class.

Overall, the code showcases various OOP concepts in Java and how they can be implemented in a class.

A screenshot of a computer

Description automatically generatedSEE UML diagram Below: