OOPS CONCEPT
IN REAL LIFE

Object-oriented Programming

Object   -Instance of Class

Class   -Blueprint of Object

Encapsulation   -Protecting our Data

Polymorphism   -Different behaviors in different instances

Abstraction   -Hiding our irrelevant Data

Inheritance   -One property of the object is acquiring

another property of an object

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Class & Object

Object

BMW

Car
class

Data members	method
Color Weight Speed Model	startCar( ) changeGear( ) slowDown( ) brake( )

Data members

Common features

method

Common functionalities

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Encapsulation

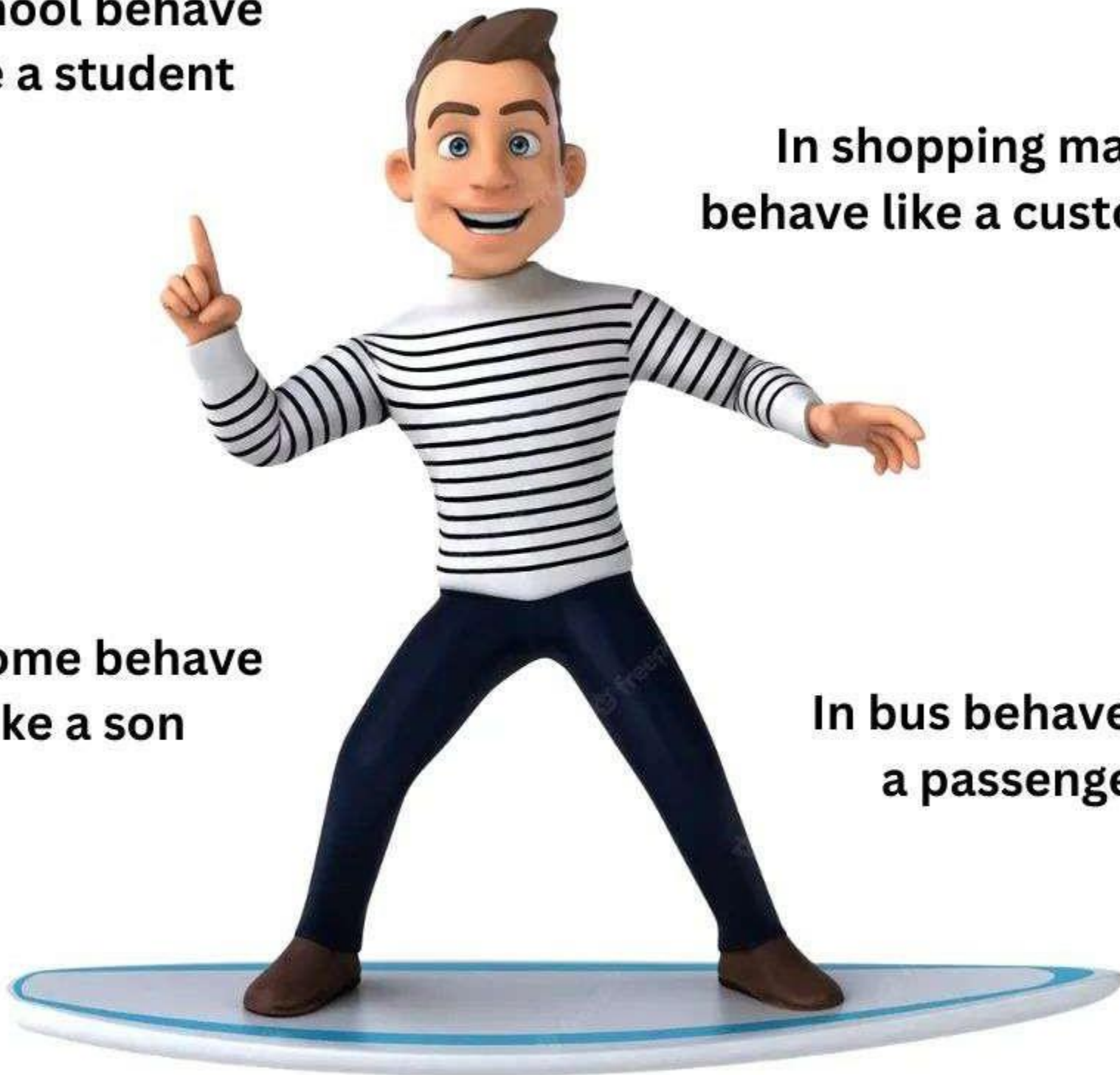
School bag can keep your book, pen, erasers, lunch box so on ...

Polymorphism

In school behave
like a student

In shopping mall
behave like a customer

In home behave
like a son

In bus behave like
a passenger

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Abstraction

Check balance

Deposit cash

Withdrawal cash

Print bill

Even though it performs a lot of actions it doesn't show us the process. It has hidden its process by showing only the main things like getting inputs and giving the output.

Inheritance

Mom and Daughter

Some properties of mom inherits

by her daughter

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