**Graphical user interface, text, application, email

Description automatically generatedGraphical user interface

Description automatically generated with medium confidenceObject Oriented Programming in JavaScript**

**Fundamental Overview:**

**Abstraction**

Abstraction is hiding or ignoring details that don’t matter to the user.

Abstraction allows us to create an **overview** of the thing we’re implementing, instead of dealing with details that don’t matter in implementation

Graphical user interface

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**Encapsulation**

Encapsulation keeps properties and methods **private** inside the class (not accessible from outside the class)

**Why?**

* Prevents external code accidently manipulating internal properties/state
* Allows for easier change of classes without breaking the external code

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**Inheritance**

Inheritance makes all properties and methods of a certain class **available to a child class.**

This forms a hierarchical relationship between class

**Why?**

* **Graphical user interface, diagram

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**Polymorphism**

A child class can **overwrite** a method it inherited from a parent class (more complex, but basic overview for now

**Why?**

* Graphical user interface, diagram

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**Graphical user interface

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