



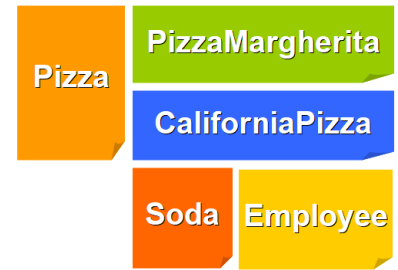
# **Python OOP: Intro to Object-Oriented Analysis & Design**



# Object-Oriented Analysis & Design



## Key Takeaways



- Object-Oriented Analysis & Design:

- Purpose:

- Determine the necessary **classes**, their **methods**, and **attributes**.
- Determine how the objects will **interact** in the program and the **relationships** between the different classes.

- Guidelines:

- **Nouns** – Classes
- **Verbs** – Methods
- **Adjectives or Nouns** – Attributes
  - Decide if they are class attributes or instance attributes based on the description:
    - ✓ If the value is shared by all instances of the class, then it's a class attribute.
    - ✓ If the instances of the class have different values, then it's an instance attribute.

