A. Describe Your Objects

Write a short paragraph that describes the type of object you plan to use on your product website. Your description must include:

- What the object represents on your product site.

- The data you need to store about this type of object (its properties).

- The tasks or behaviors the object should be able to perform (its methods).

This paragraph should explain *why* your object needs this information and *how* the methods relate to the actions users take on your site.

For my product website, the primary object I am using is a Firearm object, which represents a single firearm stored inside the user's personal collection. Each object holds all the information the user needs to identify, organize, and manage that firearm. The Firearm object stores properties such as the firearm's name, manufacturer, caliber, magazine capacity, and its general type (for example, handgun or rifle). These properties are necessary because they reflect the information a user would naturally track when logging firearms they own.

In addition to its stored data, the Firearm object includes methods that define the actions a user might take on the website. Examples include formatting the firearm into a readable display card or returning a short summary description. These behaviors are helpful because they allow the website to turn raw firearm data into UI elements the user interacts with, such as listing firearms, creating inventory tables, or generating summaries for dashboard displays. By modeling firearms as objects with both data and behaviors, the system becomes easier to update, easier to maintain, and more consistent across the entire website.

B. Draw Your Object Model

Create a diagram that visually represents your object model, similar in style to the the ones above. Your diagram must include:

- Two example objects of the same type.

- The same list of properties on both objects, each with different example values.

- The same list of methods on both objects, each with a short description of what the method does.

You can use tools like draw.io or any other diagram tool. Your diagram should clearly show how the data (properties) and actions (methods) are structured for your object, just like the bookstore example shown earlier.

Object Type: Firearm

Data Type	Value
name	"TX22"
manufacturer	"Taurus"
caliber	".22LR"
capacity	10
type	"Handgun"

Object Type: Firearm

Data Type	Value
name	"Glock 19"
manufacturer	"Glock"
caliber	"9mm"
capacity	15
type	"Handgun"