# Foundation Program #1: Abstraction with YouTube Videos

## Classes and Responsibilities

|  |  |  |
| --- | --- | --- |
| Class | Attributes | Methods |
| Video | title, author, length, comments (List<Comment>) | AddComment(), GetSummary(), DisplayComments() |
| Comment | commenterName, text | GetFormattedComment() |

# Foundation Program #2: Encapsulation with Online Ordering

## Classes and Responsibilities

|  |  |  |
| --- | --- | --- |
| Class | Attributes | Methods |
| Product | name, productId, price, quantity | GetTotalCost(), GetPackingLabel() |
| Address | street, city, state, country | IsInUSA(), GetFullAddress() |
| Customer | name, address | IsInUSA(), GetShippingLabel() |
| Order | customer, products (List<Product>) | AddProduct(), GetTotalCost(), GetPackingLabel(), GetShippingLabel() |