Diagrams!

[Online Ordering Program](https://byui-cse.github.io/cse210-ww-course/week04/foundation-encapsulation.html)

Class Product

- Attributes:

\_name: string

\_ID: string

\_price: double

\_quantityEachProduct: int

Product(name: string, ID: string, price: double, \_quantityEachProduct: int)

- Methods:

TotalCostProduct(): void

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Class Customer

Attributes:

\_name: string

\_address: Address

Customer(name: string, address: string)

- Methods:

FromUSAOrNot(Address address): bool

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Class Address

- Attributes:

\_street: string

\_city: string

\_state: string

\_country: string

Address(street: string, city: string, stete: string, country: string)

- Methods:

FromUSAOrNot(): bool

DisplayAddress(): void

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Class Order:

- Attributes:

\_customer: Customer

\_products: List<Products>

Order(Customer: Customer, products: string)

- Methods:

AddProduct(): void

CalculateTotal(): int

PackingLabel(): string

ShippingLabel(): string

[YouTube Video Program](https://byui-cse.github.io/cse210-ww-course/week04/foundation-abstraction.html)

class: Video

Attributes:

\_title: string

\_author: string

\_length: int

\_comments: List<Comment>

Video(title: string, author: string, length: int )

Video(title: string, author: string, length: int, comments: List<> )

Methods:

DisplayVideo(): void

NumberOfComments(int: numberComments): void

class:Comment

Attributes:

\_CommentUser: string

\_text: string

Comment(commentUser: string, text: string)

Methods:

CreateComment(): string

DsiplayComment(): void