Foundation 1

Class Video

_title: string
_author: string
_length: int
_comments: List

+ Constructor
+ Add a coment to the list
+ Display the Video and all of the comments
+ Get the number of comments

Class Comment

_name: string
_text: string

+ Constructor
+ Display the comment

Foundation 2

Class Product

_name: string
_id: int
_price: double
_quantity: int

+ Constructor
+ Cost Calculator

Class Customer

_name: string
_address: Address

+ Constructor
+ Is the Customer in the USA?

Class Order

_produtcs: List<Product>
_customer: Customer

+ Constructor
+ Add produtct to order
+ Get total price
+ Display packing
+ Display Shipping

Class Address

_street: string
_city: string
_stateProv: string
_country: string

+ Constructor
+ Is Address in the USA?
+ Get Full Address

Foundation 3

Class Address

_street: string
_city: string
_stateProv: string
_country: string

+ Constructor
+ Is Address in the USA?
+ Get Full Address

Class Event

_title: string
_description: string
_date: string
_time: string
_address: Address

PROTECTED

+ Constructor
+ Get standard details
+ Get Full details (Abstract)
+ Get Short description

Class Lecture

_speaker: string
_capacity: string

+ Constructor
+ Get Full Details

Class Reception

_email: string

+ Constructor
+ Get Full Details

Class Outdoor

_weather: string

+ Constructor
+ Get Full Details

Foundation 4

Class Activity

_date: string
_minutes: double

PROTECTED

+ Constructor
+ Get Activity Summary
+ Get Distance abstract
+ Get Speed abstract
+ Get Pace abstract

Class Running

_distance: double

+ Constructor
+ Get Distance

Class Biking

_speed: double

+ Constructor
+ Get Speed

Class Swimming

_laps: int

+ Constructor
+ Get Pace