Class Diagram for Program 1 (Youtube Videos)

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| --- |
| Comment |
| \_name: string  \_text: string |
| Comment(name: string, text: string)  GetName(): string  GetText(): string |

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| --- |
| Video |
| \_title: string  \_author: string  \_length: int  \_comments: List<Comment> |
| Video()  SetTitle(title: string): void  GetTitle(): string  SetAuthor(author: string): void  GetAuthor(): string  SetLength(length: int): void  GetLength(): int  AddComment(comment: Comment): void  GetNumberOfComments(): int  GetComments(): List<Comment> |

Class Diagram for Program 2 (Online Ordering)

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| --- |
| Address |
| \_streetAddress: string  \_city: string  \_stateOrProvince: string  \_country: string |
| Address(streetAddress: string, city: string, stateOrProvince: string, country: string)  IsInUSA(): bool  ToString(): string |

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| --- |
| Customer |
| \_name: string  \_address: Address |
| Customer(name: string, address: Address)  GetName(): string  GetAddress(): Address  LivesInUSA(): bool |

|  |
| --- |
| Product |
| \_name: string  \_productId: string  \_price: double  \_quantity: int |
| Product(name: string, productId: string, price: double, quantity: int)  GetName(): string  GetProductId(): string  CalculateTotalCost(): double |

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| --- |
| Order |
| \_products: List<Product>  \_customer: Customer |
| Order(customer:Customer)  AddProduct(product:Product): void  CalculateTotalCost(): double  GetPackingLabel(): string  GetShippingLabel(): string |