Foundation 1

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| --- |
| Video |
| \_title: string  \_youtuber: string  \_length: float  \_comments: List<Comment> |
| AddComment()  NumberOfComments()  GetComments() |

|  |
| --- |
| Comment |
| \_user: string  \_commentText: string |
| Comment(): string |

Foundation 2

|  |
| --- |
| Order |
| \_customer: Customer  \_cart: List<Product> |
| Order(Customer)  AddItem(Product)  TotalCost(): Float  PackingLabel(): string  ShippingLabel(): string |

|  |
| --- |
| Product |
| \_name: string  \_id: string  \_pricePerUnit: float  \_quantity: int |
| TotalCost() |

|  |
| --- |
| Address |
| \_address: string  \_city: string  \_state: string  \_country: string |
| AddressLabel(): string  IsDomesticUSA(): bool |

|  |
| --- |
| Customer |
| \_name: string  \_address: Address |
| GetName(): string  GetAddress(): string  IsDomesticUSA(): bool |

Foundation 3

|  |
| --- |
| Event |
| \_title: string  \_address: Address  \_date: string  \_time: string  \_description: string |
| GetDetails(): string |

|  |
| --- |
| Address |
| \_address: string  \_city: string  \_state: string  \_country: string |
| AddressLabel(): string  IsDomesticUSA(): bool |

|  |
| --- |
| Lecture Event |
| \_speaker: string  \_capacity: unit |
| GetDetails()  GetDescription() |

|  |
| --- |
| Reception Event |
| \_address: string  \_city: string  \_state: string  \_country: string |
| GetDetails()  GetDescription() |

|  |
| --- |
| Outdoor Event |
| \_name: string  \_address: Address |
| GetDetails()  GetDescription() |

Foundation 4

|  |
| --- |
| Activity |
| \_date: string  \_minutes: double |
| GetDistance(): double  GetSpeed(): double  GetPace(): double  Summary(): string |

|  |
| --- |
| Program |
| activities: List<Activity> |
| Main() |

|  |
| --- |
| Cycling |
| \_speed: double |
| GetDistance(): double  GetSpeed(): double  GetPace(): double  Summary(): string |

|  |
| --- |
| Running |
| \_distance: double |
| GetDistance(): double  GetSpeed(): double  GetPace(): double  Summary(): string |

|  |
| --- |
| Swimming |
| \_laps: unit |
| GetDistance(): double  GetSpeed(): double  GetPace(): double  Summary(): string |