

Abstraction with Youtube Videos

Video
_title : string _author : string _length : int _comments : List<Comment>
Video(title, author, length) Video(title, author, length, comments) AddComment(comment) : void NumberOfComments() : int DisplayInfo() : void

Comment
_name : string _text : string
Comment(name, text) DisplayComment() : void

Encapsulation with Online Ordering

The word home = usa

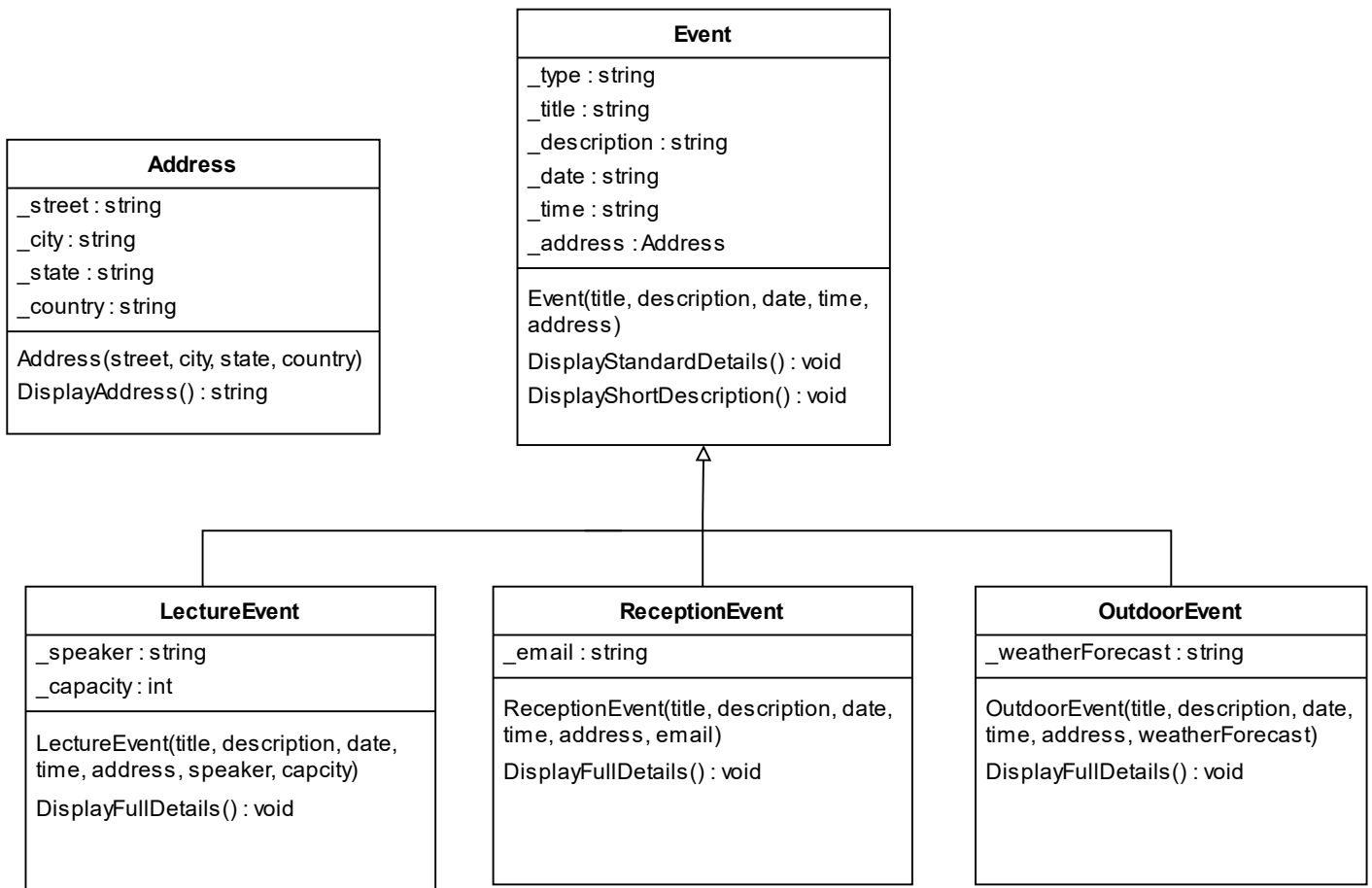
Address
_street : string _city : string _state : string _country : string _home : string _homeStates : List<string>
Address(street, city, state, country) SetHome(countryName : string) : void SetHomeStates(states : List<string>) : void InHome() : bool GetAddress() : string

Customer
_name : string _address : Address
Customer(name, address) LeaveInHome() : bool DisplayCustomerInfo() : void

Product
_name : string _productId : int _price : double _quantity : int
Product(name, productId, price) SetQuantity(quantity: int) : void CalculateCost() : double DisplayProductInfo() : void

Order
_customer : Customer _products : List<Product> _homeShippingCost : double _nonHomeShippingCost : double
Order(customer, product) Order(customer, products) SetHomeShippingCost(price : double) : void SetNonHomeShippingCost(price : double) : void AddProduct(product : Product) : void CalculateTotalCost() : double DisplayPackingLabel() : void DisplayShippingLabel() : void

Inheritance with Event Planning



Polymorphism with Exercise Tracking

