

**Pizza Shop Management UML Diagram**

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**Submitted To:**

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| **pizza** |
| # size : string  # cheeseToppings : int  # pepperoniToppings : int  # chickenToppings : int |
| + pizza()  + getSize() : string  + getCheese() : int  + getPepperoni() : int  + getChicken() : int  + setSize(n : string) : void  + setCheese(cheese : int) : void  + setPepperoni(p : int) : void  + setChicken(chicken : int) : void  + displayPizza() : void  + calCost() : int  + placeOrder(): void  + cancelOrder():void  + retrieveOrder():void |

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| **employee** |
| # name : string  # employeeId : int  # address : string  # contactNo : int |
| + employee()  + getName() : string  + getId() : int  + getAddress() : string  + getContact() : int  + setName(n : string) : void  + setId( id: int) : void  + setAddress( a : string) : void  + setContact( c : int) : void  + displayInfo(): void virtual |

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| **worker** |
| - areaOfExpertise : string  - placeOfWork : string |
| + worker()  + getAreaofExpert() : string  + getPlaceofWork() : string  + setAreaofExpert(expertise : string) : void  + setPlaceofWork( place : string) : void  + displayInfo(): void virtual |

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| **manager** |
| - yearsInOffice : int  - \*w1: worker |
| + manager()  +~manager()  + getyearsInOffice() : int  + setyearsInOffice( years : int) : void  + addWorker() : void  + removeWorker() : void  + displayInfo(): void virtual  + readDataFromFile() : void |

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| **customer** |
| - name : string  - order\_num : int |
| + customer()  + getName() : string  + getOrderNum() : string  + setName(n : string) : void  + setOrderNum(ord\_number : int) : void  + displayInfo() : void virtual  + writeDataToFile() : void  + readDataFromFile() : void  + placeOrderAsCustomer() : void |

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| **dineInCustomer** |
| - table\_number : int  - tax : int |
| + dineInCustomer ()  + getTableNum() : int  + getTax() : int  + setTableNum(n : int) : void  + calculate\_Tax(bill : int) : void  + displayInfo() : void virtual |

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| **onlineCustomer** |
| - contactNo : int  - address : string  - billType : string |
| + onlineCustomer()  + getAddress() : string  + getContact() : int  + getbillType() : string  + setAddress( a : string) : void  + setContact( c : int) : void  + setbillType(bill\_type : string) : void  + displayInfo() : void virtual |

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| **furniture** |
| - place : string  - quantity : int  - size : string |
| + Employee() :  + getPlace() : string  + getQuantity() : int  + getSize() : string  + setPlace(p : string) : void  + setQuantity(q: int) : void  + setSize(s : string) : void  + saveData() : void  + removeData() : void |

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| **table** |
| - seats : string  - \*f1 : furniture |
| + table(s : string, \*f1 : furniture)  + getSeats() : string  + setSeats(s : string) : void  + displayInfo() : void |

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| **chair** |
| - type : string  - \*f1: furniture |
| + chair(s : string, \*f1 : furniture)  + getType() : string  + setType(t : string) : void  + displayInfo() : void |