**UML for Hotel Management**

HotelStaff

-\_date\_started : date

-\_position : string

-\_salary : float

+get\_date\_started() : date

+get\_position() : string

+get\_salary() : float

+set\_salary(new\_salary : float)

+get\_details() : string

+get\_type() : string

1 \*

AbstractMember

-\_member\_id : int

-\_first\_name : string

-\_last\_name : string

-\_address : string

-\_phn\_no : int

+get\_first\_name() : string

+get\_last\_name() : string

+get\_full\_name() : string

+ get\_member\_id() : int

+ set\_member\_id(new\_id : int)

+get\_address() : string

+get\_phn\_no() : int

*+get\_details() : string*

*+get\_type() : string*

HotelStats

-\_total\_num\_staff : int

-\_num\_customers: int

-\_avg\_years\_employed : float

-\_num\_days\_stayed : float

-\_get\_total\_num\_staff() : int

-\_get\_num\_customers() : int

-\_get\_avg\_years\_employed() : float

-\_get\_num\_days\_stayed() : float

HotelManager

* \_members : AbstractHotel[]
* \_next\_available\_id : int

+ add(hotel\_member : AbstractMember ): int

+get(id : int) : AbstractMember

+get\_all() : AbstractMember[]

+get\_all\_by\_type(type : string) : AbstractMember[]

+update(hotel\_member : AbstractaMember)

+delete(id : int)

+get\_hotel\_stats() : HotelStats

HotelCustomer

-\_check\_in : date

-\_bill : float

-\_check\_out: None

+get\_check\_in() : date

+get\_bill() : float

+set\_bill(bill : float)

+get\_details() : string

+get\_type() : string