|  |  |
| --- | --- |
| Class person | |
| Instance variable (Attributes) | **Comments** |
| Personfirstname…..>string | User enter first name |
| Personlastname…..>string | User enter last name |
| PersonAge….>integer | User enter age |
| personGender…..> string | User select gender |
| personFullnumber…..>integer | User write full number |
| personAddress…..>string | User write address |
| personUsername…>string | User type his username |
| personPassword…..>string | User type his password |
| personId…….>integer | User put an id |
| Instance variables (Associations) |  |
| Customer ---->  Staff -----> | |
| Instance methods | **Comments** |
| Signup | An action to register yourself for new account |
| Login | Security measure designed to prevent unauthorized access to confidential data |
| Logout | Prevent other users from accessing system without verifying their credentials |

# **Classes Specifications**

|  |  |
| --- | --- |
| Class customer | |
| Instance variables (Associations) |  |
| order---->  Reservation----> | |
| Instance methods | **Comments** |
| Makeorder | Customer order food, drinks, deserts |
| Cancelorder | Customer can cancel his order before preparations |
| Payorder | Customer pays for order |

|  |  |
| --- | --- |
| Class Manager | |
| Instance variables (Associations) |  |
| Inventory ---- > |  |
| Staff ---- > |  |
| Instance methods | **Comments** |
| Additem | Manager add item on the inventory |
| Deleteitem | Manager can delete an item from inventory |
| Searchitem | Manager search items in inventory |
| Generatemenu | Manager put the menu price and organizes everything on it |

|  |  |
| --- | --- |
| Class staff | |
| Instance variables (Associations) |  |
| Cashier --->  Waiter--- >  Organizer---- >  Manager---- >  Cleaner---- > | |
| Instance methods | **Comments** |
| Salary |  |
| Education |  |
| Class waiter | |
| Instance variables (Associations) |  |
| Order ----- > |  |
| Instance methods | **Comments** |
| Pickup order | When food is prepared the waiter pickup the order to customer |
| Class chef | |
| Instance variables (Associations) |  |
| Order ---- > |  |
| Instance methods |  |
| Acceptorder | When the customer make the order the chef accepts it and start to prepare it |
| Finish order | When chef finishes the order |
| Class organizer | |
| Instance variables (Associations) | |
| Reservation ---- > |  |
| Instance methods | **Comments** |
| Accept reservation | When customer reserved for an event the organizer accepts reservation |
| Add plan | Organizer add plan for the event |
| Class cleaner | |
| Instance variables (Associations) |  |
| Staff ---- > |  |
| Instance methods | **Comments** |
| Clean table | When customers finish their food and leave the place the cleaner start to clean the table |
| Clean floor | When customers finish their food and leave the place the cleaner start to clean the floor |
| Wash dishes | Cleaner wash dishes |
| Class cashier | |
| Instance variables (Associations) | **Comments** |
| Order ----- > |  |
| Instance methods |  |
| Generatereceipt | When customer finish food and ask for receipt the cashier take the money and generate the receipt |
| Class reservation | |
| Instance variables (Associations) | Comments |
| Regular reservation---- >  Special reservation ---->  Order---- >  Customer ---- > | |
| Instance methods | Comments |
| Reservationid | Customer register for event with id |
| Numberofpeople | Number of people register for event |

|  |  |
| --- | --- |
| Class regular reservation | |
| Instance variables (Associations) | Comments |
| Reservation ---- > |  |
| Instance variable (Attributes) |  |
| Tableid---- > | Unique id od the table |
|  |  |
|  |  |
|  |  |

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| --- | --- |
| Class special reservation | |
| Instance variables (Associations) | Comments |
| Reservation --- > |  |
| Instance methods |  |
| Reservation type | What is the type of event the customer registers for |
| Starttime | When it starts |
| Endtime | When it ends |

|  |  |
| --- | --- |
| Class inventory | |
| Instance variables (Associations) | Comments |
| DNC---- >  Manager ---- >  Item | |
| Instance variable (Attributes) | Comments |
| Itemname --- > string | The unique name of item |
| Itemid---- > integer | The unique id of item |
| Itemcategory--- > string |  |
| Itemquantity---- > integer | The quantity of item |
| itemType---- > string | The type of item |
| Class item | |
| Instance variable (Attributes) | Comments |
| Item price--- > double |  |
| Item description---- >string |  |
| Class table | |
| Instance variables (Associations) |  |
| DNC---- >  Order--- > | |
| Instance variable (Attributes) | Comments |
| Tableid | Unique id for table |
| Tablecapacity | Size of table |
| Tablereservation |  |
| Table category |  |
|  |  |
|  |  |