**RESTAURANT MANAGEMENT SYSTEM**

| Menu |
| --- |
| - items: List<MenuItem> |
| + Menu()  + getMenuItems(): List<MenuItem>  + addMenuItem(item: MenuItem): void  + removeMenuItem(item: MenuItem): void  + updateMenuItem(item: MenuItem): void |

| Table |
| --- |
| -tableNumber: int  - capacity: int  - status: String |
| + Table(tableNumber: int, capacity: int, status: String)  + getTableNumber(): int  + setTableNumber(tableNumber: int): void  + getCapacity(): int  + setCapacity(capacity: int): void  + getStatus(): String  + setStatus(status: String): void |

| Order |
| --- |
| - orderId: int  - table: Table  - items: List<MenuItem>  - status: String |
| + Order(orderId: int, table: Table)  + addItem(item: MenuItem): void  + removeItem(item: MenuItem): void  + updateStatus(status: String): void |

| Reservation |
| --- |
| - reservationId: int  - customerName: String  - table: Table  - reservationTime: Date |
| + Reservation(reservationId: int, customerName: String,table: Table, reservationTime:  Date)  + getReservationId(): int  + getCustomerName(): String  + setCustomerName(customerName: String): void  + getTable(): Table  + setTable(table: Table): void  + getReservationTime(): Date  + setReservationTime(reservationTime: Date): void |

| Payment |
| --- |
| - paymentId: int  - order: Order  - amount: double  - paymentMethod: String |
| + Payment(paymentId: int, order: Order, amount: double,paymentMethod: String)  + getPaymentId(): int  + getOrder(): Order  + setOrder(order: Order): void  + getAmount(): double  + setAmount(amount: double): void  + getPaymentMethod(): String  + setPaymentMethod(paymentMethod: String): void |

| Chef |
| --- |
| - chefId: int  - name: String  - specialty: String |
| + Chef(chefId: int, name: String, specialty: String)  + getChefId(): int  + getName(): String  + setName(name: String): void  + getSpecialty(): String  + setSpecialty(specialty: String): void |

| Ingredient |
| --- |
| - ingredientId: int  - name: String |
| + Ingredient(ingredientId: int, name: String)  + getIngredientId(): int  + getName(): String  + setName(name: String): void |

| Recipe |
| --- |
| - recipeId: int  - name: String  - ingredients: List<Ingredient>  - instructions: String |
| + Recipe(recipeId: int, name: String, ingredients:List<Ingredient>, instructions: String)  + getRecipeId(): int  + getName(): String  + setName(name: String): void  + getIngredients(): List<Ingredient>  + setIngredients(ingredients: List<Ingredient>): void  + getInstructions(): String  + setInstructions(instructions: String): void |

| Review |
| --- |
| - reviewId: int  - customerName: String  - rating: int  - comment: String  - date: Date |
| + Review(reviewId: int, customerName: String, rating: int,comment: String, date: Date)  + getReviewId(): int  + getCustomerName(): String  + setCustomerName(customerName: String): void  + getRating(): int  + setRating(rating: int): void  + getComment(): String  + setComment(comment: String): void  + getDate(): Date  + setDate(date: Date): void |

| Inventory |
| --- |
| - ingredients: List<Ingredient> |
| + Inventory()  + getIngredients(): List<Ingredient>  + addIngredient(ingredient: Ingredient): void  + removeIngredient(ingredient: Ingredient): void |