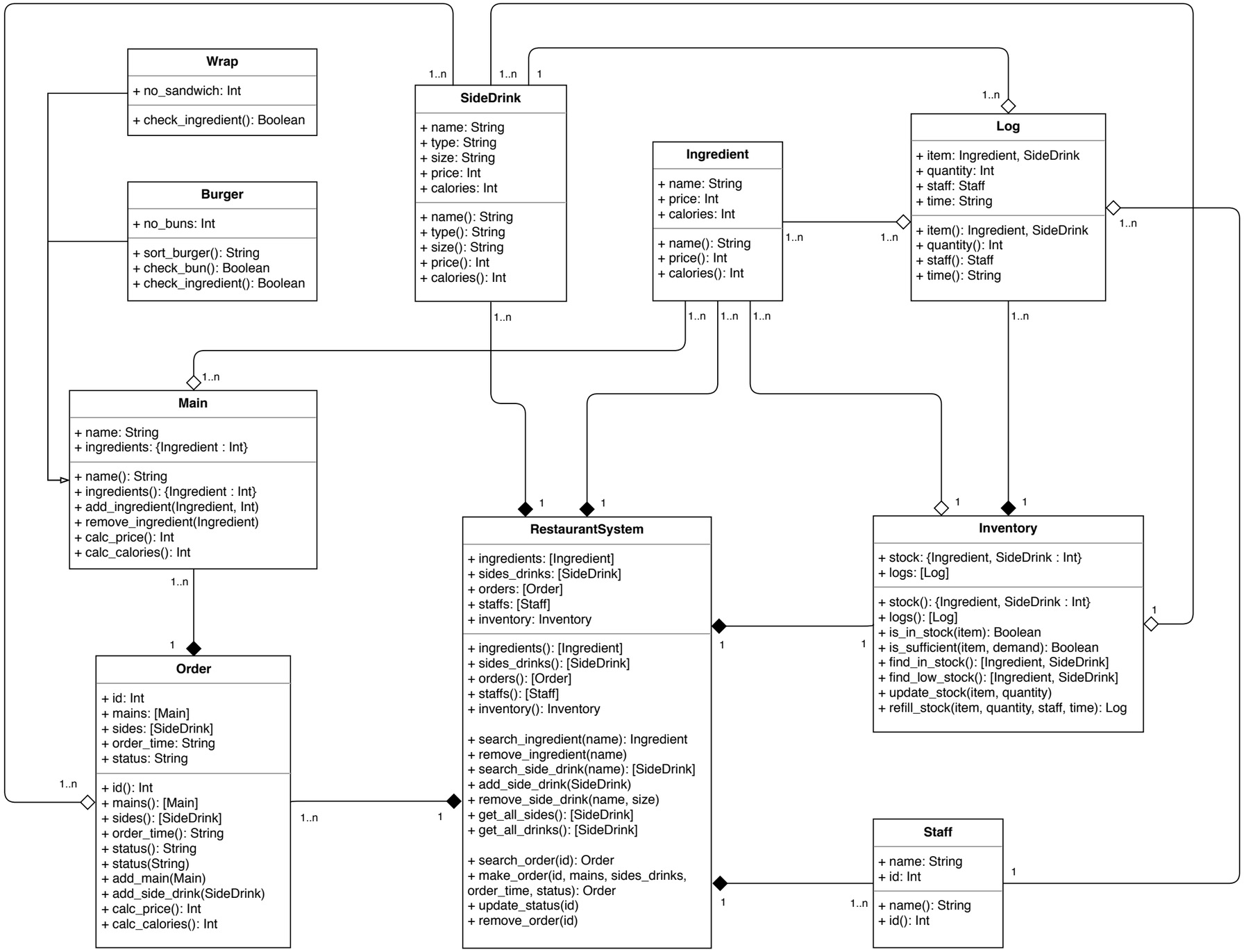
UML Class Diagram


Wrap
+ no_sandwich: Int
+ check_ingredient(): Boolean
Burger
+ no_buns: Int
+ sort_burger(): String
+ check_bun(): Boolean
+ check_ingredient(): Boolean
SideDrink
+ name: String
+ type: String
+ size: String
+ price: Int
+ calories: Int
+ name(): String
+ type(): String
+ size(): String
+ price(): Int
+ calories(): Int
Ingredient
+ name: String
+ price: Int
+ calories: Int
+ name(): String
+ price(): Int
+ calories(): Int
Log
+ item: Ingredient, SideDrink
+ quantity: Int
+ staff: Staff
+ time: String
+ item(): Ingredient, SideDrink
+ quantity(): Int
+ staff(): Staff
+ time(): String
Main
+ name: String
+ ingredients: {Ingredient : Int}
+ name(): String
+ ingredients(): {Ingredient : Int}
+ add_ingredient(Ingredient, Int)
+ remove_ingredient(Ingredient)
+ calc_price(): Int
+ calc_calories(): Int
RestaurantSystem
+ ingredients: [Ingredient]
+ sides_drinks: [SideDrink]
+ orders: [Order]
+ staffs: [Staff]
+ inventory: Inventory
+ ingredients(): [Ingredient]
+ sides_drinks(): [SideDrink]
+ orders(): [Order]
+ staffs(): [Staff]
+ inventory(): Inventory
+ search_ingredient(name): Ingredient
+ remove_ingredient(name)
+ search_side_drink(name): [SideDrink]
+ add_side_drink(SideDrink)
+ remove_side_drink(name, size)
+ get_all_sides(): [SideDrink]
+ get_all_drinks(): [SideDrink]
+ search_order(id): Order
+ make_order(id, mains, sides_drinks, order_time, status): Order
+ update_status(id)
+ remove_order(id)
Inventory
+ stock: {Ingredient, SideDrink : Int}
+ logs: [Log]
+ stock(): {Ingredient, SideDrink : Int}
+ logs(): [Log]
+ is_in_stock(item): Boolean
+ is_sufficient(item, demand): Boolean
+ find_in_stock(): [Ingredient, SideDrink]
+ find_low_stock(): [Ingredient, SideDrink]
+ update_stock(item, quantity)
+ refill_stock(item, quantity, staff, time): Log
Order
+ id: Int
+ mains: [Main]
+ sides: [SideDrink]
+ order_time: String
+ status: String
+ id(): Int
+ mains(): [Main]
+ sides(): [SideDrink]
+ order_time(): String
+ status(): String
+ status(String)
+ add_main(Main)
+ add_side_drink(SideDrink)
+ calc_price(): Int
+ calc_calories(): Int
Staff
+ name: String
+ id: Int
+ name(): String
+ id(): Int
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