



```
Desk
    var width;
    var depth;
    var drawers;
    var material;
    var area;
    calcArea( var width, var depth ){
        // calculate and return area: width * depth
    }

DeskQuote
    var name
    class desk
    var DateTime
    bool rushOrder
    var rushDays
    calcDrawers( var drawers ){
        // calculate drawer cost: drawers * 50 return drawerCost
    }
    calcMaterial( var material ){
        // calculate surface material cost with switch statement return materialCost
    }
    rushStatus( rushOrder ){
        // use if to see if rush cost even needs to be run
        rushCost( var rushDays ){
            // use if else to return rush costs: ( cost + addCosts ) using area and days as choice logic
        }
    }

    calcQuote( area, materialCost, drawerCost, rushCost ){
        // calulate quote by using if statement to see if area is larger than 1000 to add more cost.
        // otherwise, use ( baseCost || (area * 1) - 1000) + materialCost + drawerCost + rushCost
    }
    setDateTime(){
        // sets Date and Time and formats for storing with the quote
    }
    setQuote(name, Cost, rushOrder, rushDays,){
        // grabs and sets Quote infomation for Display and Database saving
    }
}

AddQuote
    addQuote(){
        // adds vaildated and accetable quote to to the database
    }
    submitQuote(){
        // user clable button to intiaite quote calculation and saving process
    }
    getName(){
        //grabs and validates customer name as a string data type
    }
    getWidth(){
        // grabs and validates user input for width of desk
        // valid if >= 24 inches and <= 96 inches
        // return error message otherwise
    }

    getDrawers(){
        // grabs and validates user input for depth of desk
        // valid if >= 0 inches and <= 7 inches
        // return error message otherwise
        // will most liklely be drop down menu
    }

    getMaterial(){
        // grabs and validates user input for depth of desk
        // valid if (laminatae, oak, rosewood, veneer, or pine)
        // return error message otherwise
        // will most liklely be drop down menu
    }

    getRush(){
        // grabs and validates user input for width of desk
        // valid if (0, 3, 5, or 7 days) otherwise order is estiamted for 14 business days.
        // return error message otherwise
        // will most liklely be drop down menu
    }
}
```