|  |
| --- |
| **Desk** |
| * Int deskWidth   + (24 <= x <= 96) * Int deskDepth   + (12 <= x <= 48) * Int numDrawers   + (0 <= x <= 7) * Enum Wood * Wood deskSurface * Int rushDays   + {0,3,5,7} |

|  |
| --- |
| **DeskQuote** |
| * Int orderNum * String custFirstName * String custL\_Name * Desk CustDesk * Double QuotePrice * Static Private surfacePrice   + {200, 100, 50, 300, 125} |
| * DeskQuote ( String fName, String lName, int width, int depth, int drawers, deskSurface, int rushDays) * Void ShowQuotes (Wood desktop) * Void ShowQuotes() |

Public Double DeskQuote (  
String fName,  
String lName,  
int width,  
int depth,  
int drawers,  
deskSurface,  
int rushDays)

{

area = ( width \* depth );

areaPrice = area – 1000 ;

int rushPrice

Switch(rushDays):

Case(3){

If(area < 1000)rushPrice = 60;

Else If(area > 2000) rushPrice = 80;

Else rushPrice = 70;

}

Case(5){

If(area < 1000)rushPrice = 40;

Else If(area > 2000) rushPrice = 60;

Else rushPrice = 50;

}

Case(7){

If(area < 1000)rushPrice = 30;

Else If(area > 2000) rushPrice = 40;

Else rushPrice = 35;

}

drawerTotal = drawers \* 50;

This.QuotePrice = 200 + areaPrice + drawerTotal + surfacePrice[(int)deskSurface]+ rushPrice ;

}