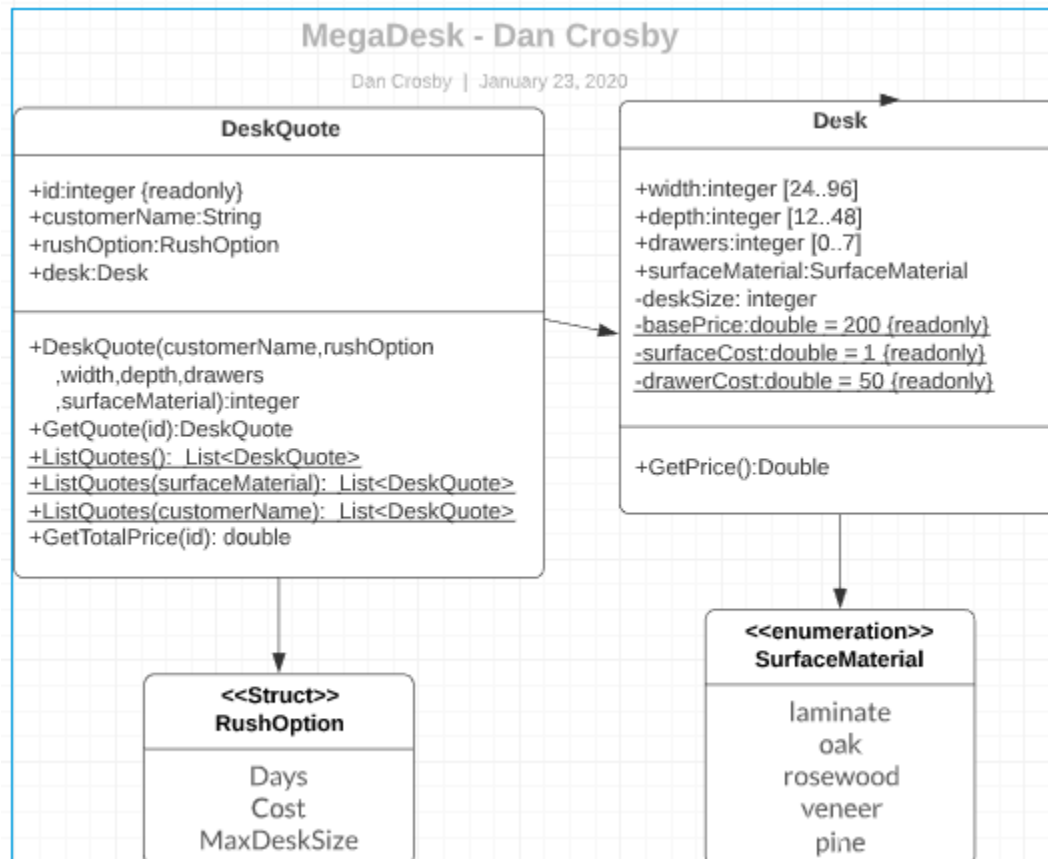PseudoCode for MegaDesk project

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//Program Start

//Initialize GUI

//When variables are entered, GUI will execute the constructor for the DeskQuote object.

// Psuedo code for DeskQuote constructor

Public void DeskQuote(customerName,rushOption ,width,depth,drawers ,surfaceMaterial)

    // Instantiate the RushOption structure and populate it with shipping cost table.

    // Validate values for customerName, rushOption, width, depth, drawers

// Check the surfaceMaterial value against the enum.

// Instantiate Desk object with width, depth, drawers, surfaceMaterial

End

// Psuedo code for GetQuote(ID) constructor

//Return instance of the DeskQuote objects

//Calling code can read class properties using DeskQuote.customerName, DeskQuote.Desk.width, etc.

// Pseudo code for 3 ListQuotes methods (null, material, or customerName)

//Returns a list of selected DeskQuote objects

// Pseudo code for GetTotalPrice(id)

// Calculate the shipping cost using RushOption

// Return Desk.GetPrice+ shipping cost as Total Price.

// Pseudo code for GetPrice() in the Desk object:

// Calculate total square area and save in deskSize

// Tally costs based on drawer count

// Tally base desk cost

// Tally cost based on surface area

// Tally cost based on surface material

// Return total price as double