|  |
| --- |
| order |
| * orderId : int * customerId : int * customerName : string * deskId : int * rushOrderId : int * orderAmtTotal : float * orderDate : DateTime |
| * createOrder() |

|  |
| --- |
| rushOrder |
| * rushOrderId : int * rushDay : int * rushSize : int * rushAmt : float |

|  |
| --- |
| user |
| * customerId : int * customerNamer : string * customerAddres : string * customerPhone : int |
|  |

|  |
| --- |
| desk |
| * deskId : int * width (in) : int * length (in) : int * surfaceArea (in2) : int * drawerNum : int * surfaceMaterialId : int |
| * createDesk() |

|  |
| --- |
| surfaceMaterial |
| * materialId : int * materialName : string * materialCost : float |

Input: prompt customer for length

Input: prompt customer for width

Input: prompt customer for number of drawers

Input: prompt customer for surface type

Input: prompt customer for rush order

Process: calculate surface area

Process: calculate desk amount

Process: calculate rush order amount

Process: calculate total amount of desk

Output: display complete to customer

Output: write complete order to text file write in JSON format