CSCI 3327 Visual Basic (Fall 2011) Assignment #6

Instructor: Dr. Xiang Lian Due Date: See the course website

Write a program involving a single and two-dim arrays, shuffling and two-dim sorting as shown in the following samples. The graphics portion is actually your Assignment #7. Please start early. This assignment will take some time. Figure out your own way of shuffling cards. Once the cards have been dealt, organize them using a two dimensional sort.

Button <u>Get New Deck</u>: The card names are read from a file and displayed in a list box.

🖳 Shuffling Cards		_ 🗆 ×
Get New Deck	CA C2 C3 C4 C5 C6 C7 C8 C9 C10 CJ CQ CK DA D2 D3 D4 D5 D6 D7 D8 D9 D10 DJ DQ DK HA H2 H3 H4 H5 H6 H7 H8 H9 H10 HJ HQ HK SA S2 S3 S4 S5 S6 S7 S8 S9 S10 SJ SQ SK	
Shuffle		
	Deal Show Hands	Stop
Player 1		
Player 2		
Player 3		
Player 4		

🛃 Shuffling Cards		_ 🗆 🗙
Get New Deck	CA C2 C3 C4 C5 C6 C7 C8 C9 C10 CJ CQ CK DA D2 D3 D4 D5 D6 D7 D8 D9 D10 DJ DQ DK HA H2 H3 H4 H5 H6 H7 H8 H9 H10 HJ HQ HK SA S2 S3 S4 S5 S6 S7 S8 S9 S10 SJ SQ SK	
Shuffle	S4 D9 D8 HQ SQ C6 H4 CK S8 C2 DJ CQ H10 HK DA S3 S7 D5 C7 DK C9 CA SA C5 D6 S6 D7 SJ H2 HA C4 D10 S10 CJ C8 SK C10 C3 HJ DQ S2 H5 H8 H9 H6 D4 D3 S5 D2 S9 H7 H3	
	Deal Show Hands Stop	
Player 1		
Player 2		
Player 3		
Player 4		

Button **<u>Shuffle</u>**: The cards are shuffled (abstractly) and displayed in the list box shown here.

Button **Deal**: The shuffled cards are distributed one at a time in a round robin fashion to four players. Players cards are displayed in the appropriate 3D label boxes.

🛃 Shuffling Cards			_	
Get New Deck	CA C2 C3 C4 C5 C6 C7 C8 C DA D2 D3 D4 D5 D6 D7 D8 HA H2 H3 H4 H5 H6 H7 H8 SA S2 S3 S4 S5 S6 S7 S8 S	D9 D10 DJ DQ DK H9 H10 HJ HQ HK		
Shuffle	S4 D9 D8 HQ SQ C6 H4 CK HK DA S3 S7 D5 C7 DK C9 D7 SJ H2 HA C4 D10 S10 CJ DQ S2 H5 H8 H9 H6 D4 D3	CA SA C5 D6 S6 C8 SK C10 C3 HJ		
	Deal	Show Hands	Stop	
Player 1	S4 SQ S8 H10 S7 C9 D6 H	2 S10 C10 S2 H6 D2		
Player 2	D9 C6 C2 HK D5 CA S6 HA CJ C3 H5 D4 S9			
Player 3	D8 H4 DJ DA C7 SA D7 C4	C8 HJ H8 D3 H7		
Player 4	HQ CK CQ S3 DK C5 SJ D	10 SK DQ H9 S5 H3		

Button **<u>Show Hands</u>**: A new form is displayed with players cards.

🖳 Show Hands		_ 🗆 ×
	Arrange Cards	
Player 1	S4 SQ S8 H10 S7 C9 D6 H2 S10 C10 S2 H6 D2	
Player 2	D9 C6 C2 HK D5 CA S6 HA CJ C3 H5 D4 S9	
Player 3	D8 H4 DJ DA C7 SA D7 C4 C8 HJ H8 D3 H7	
Player 4	HQ CK CQ S3 DK C5 SJ D10 SK DQ H9 S5 H3	
	Play Again	

🛃 Show Hands		_ 🗆 🗙
	Arrange Cards	
Player 1	C9 C10 D2 D6 H2 H6 H10 S2 S4 S7 S8 S10 SQ	
Player 2	CA C2 C3 C6 CJ D4 D5 D9 HA H5 HK S6 S9	
Player 3	C4 C7 C8 DA D3 D7 D8 DJ H4 H7 H8 HJ SA	
Player 4	C5 CQ CK D10 DQ DK H3 H9 HQ S3 S5 SJ SK	
	Play Again	

Button <u>Arrange Cards</u>: The cards are re-ordered using a two-dim sort and re-displayed.

Button **<u>Play Again</u>**: This button takes you back to the previous form.

🛃 Shuffling Cards		_ 🗆 ×
Get New Deck	CA C2 C3 C4 C5 C6 C7 C8 C9 C10 CJ CQ CK DA D2 D3 D4 D5 D6 D7 D8 D9 D10 DJ DQ DK HA H2 H3 H4 H5 H6 H7 H8 H9 H10 HJ HQ HK SA S2 S3 S4 S5 S6 S7 S8 S9 S10 SJ SQ SK	
Shuffle		
	Deal Show Hands Sto	Þ
Player 1		
Player 2		
Player 3		
Player 4		

Please submit:

- 1. Program listing; and
- 2. The screen captures.
- Your program should begin with a comment section that would include the following:

PROGRAMMERS NAME:_		
STUDENT ID:		
CLASS:	ASSIGNMENT #:	
DATE DUE:	DATE TURNED IN:	

• Note: Please send the files you created to <u>Blackboard</u>.