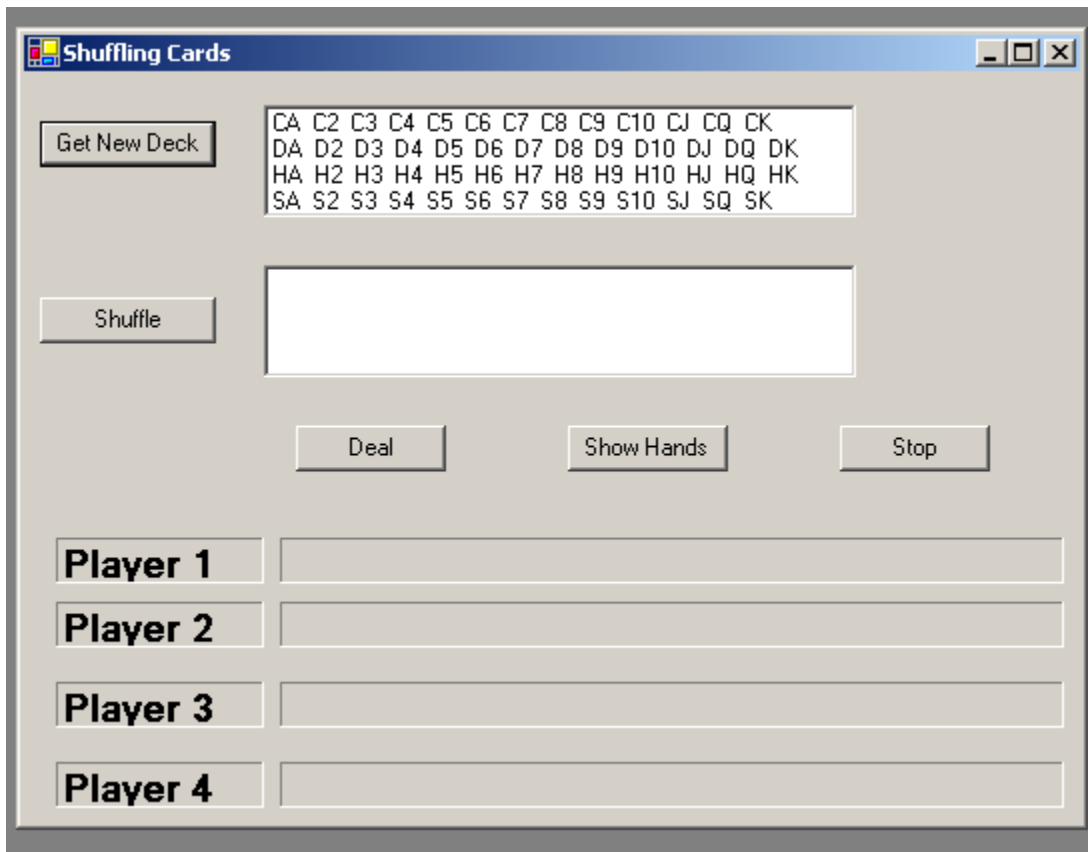


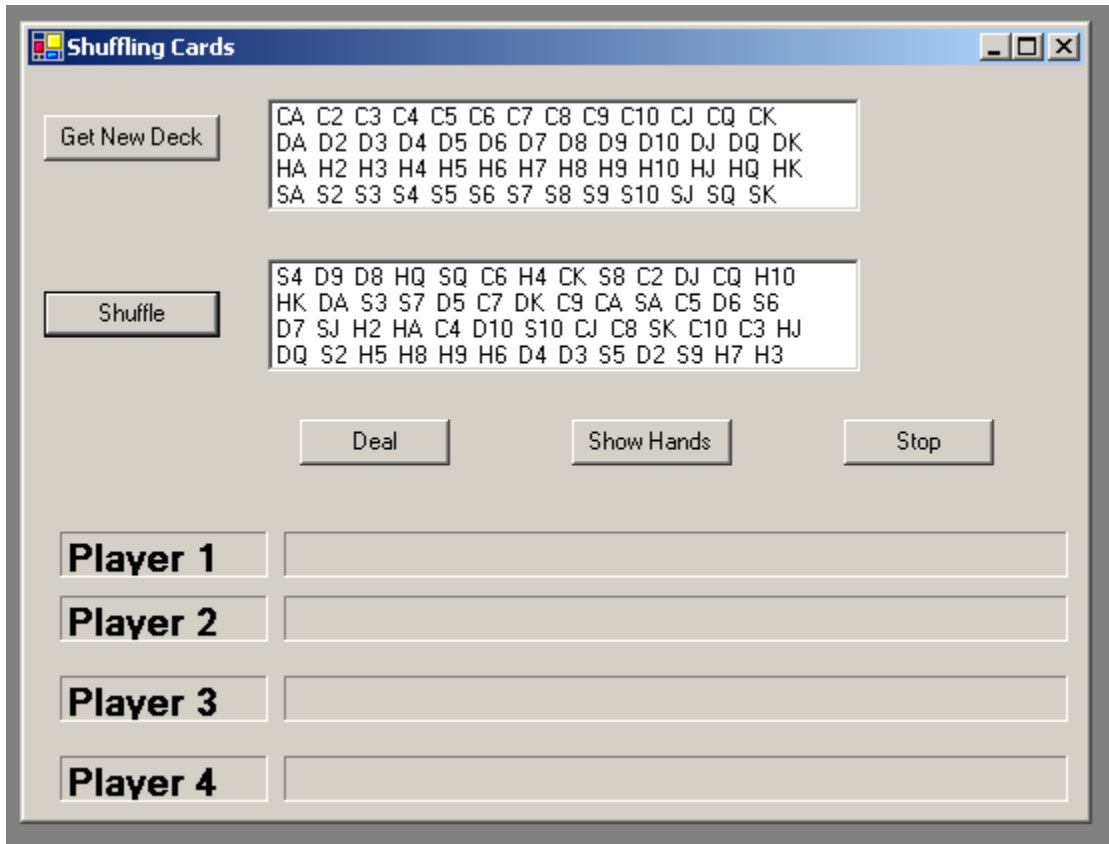
Assignment #8
Deal Cards
CSCI 3327 VB.NET
Dr. Abraham

Write a program involving a single and two-dim arrays, shuffling and two-dim sorting as shown in the following samples. I have shown graphics version at the end.

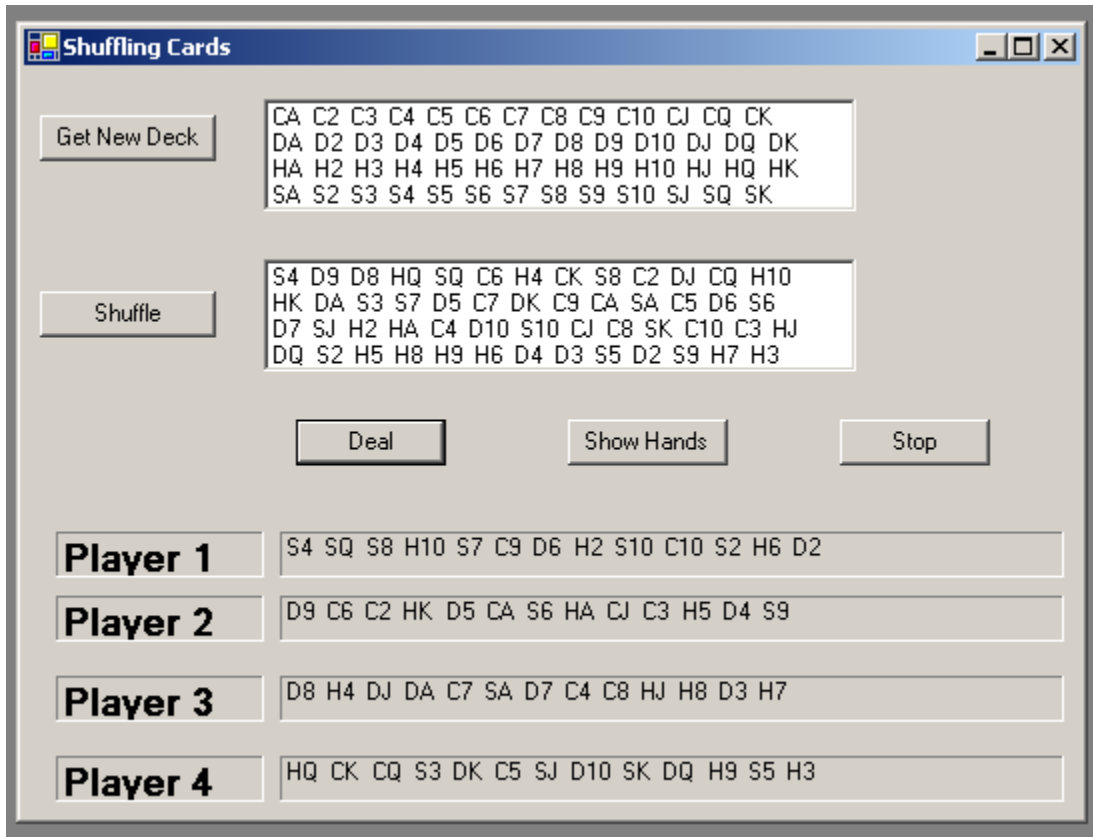
Button **Get New Deck:** The card names are read from a file and displayed in a list box.



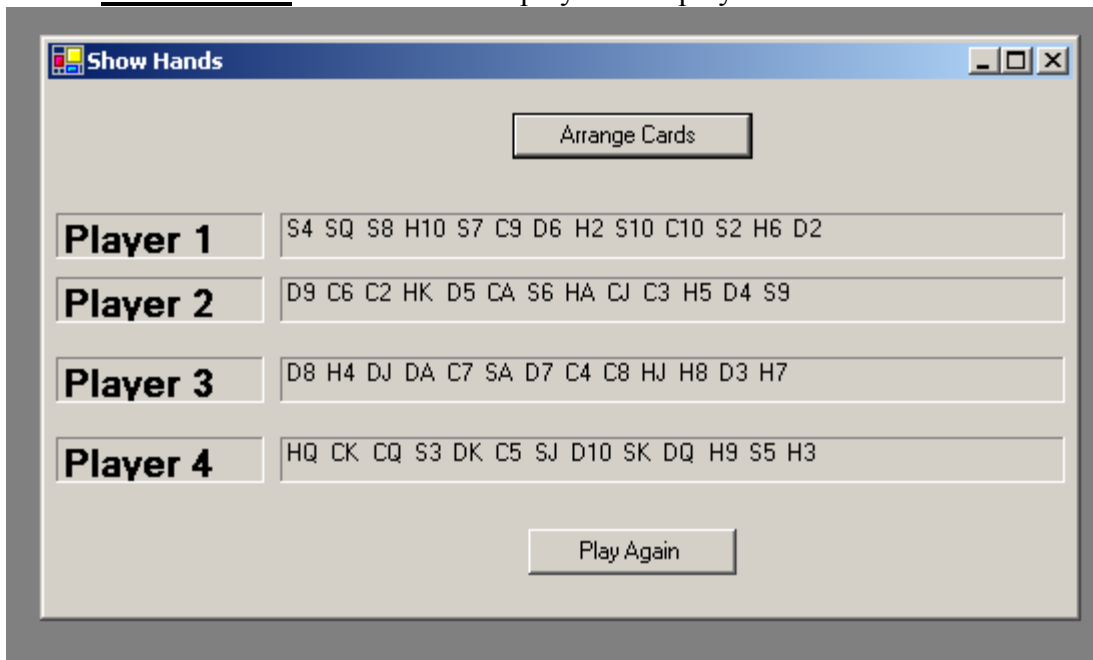
Button **Shuffle**: The cards are shuffled (abstractly) and displayed in the list box shown here.



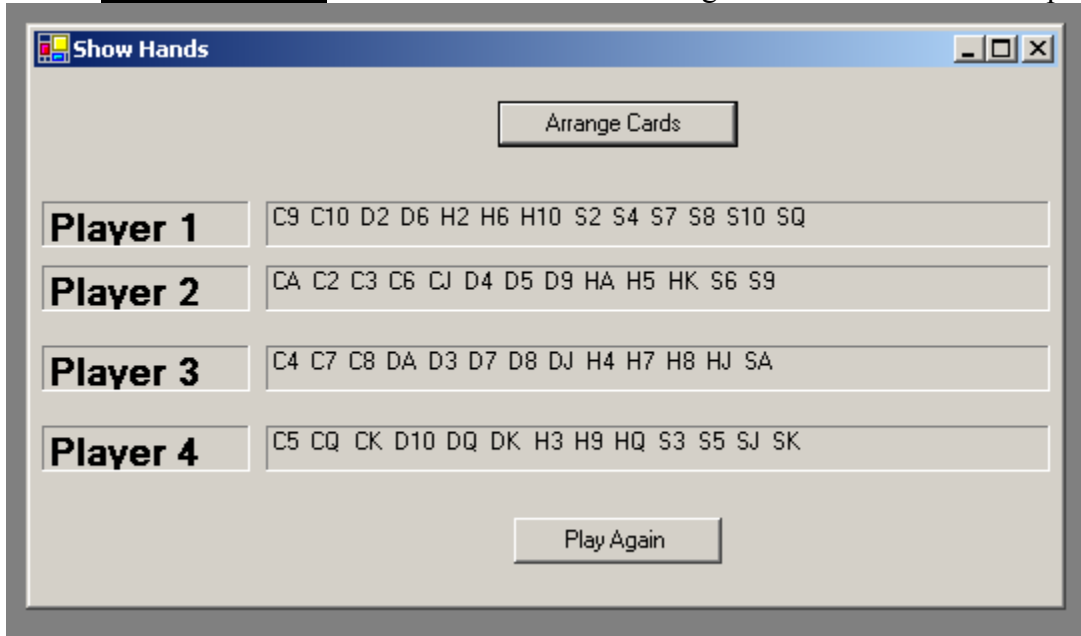
Button **Deal**: The shuffled cards are distributed one at a time in a round robin fashion to four players. Players cards are displayed in the appropriate 3D label boxes.



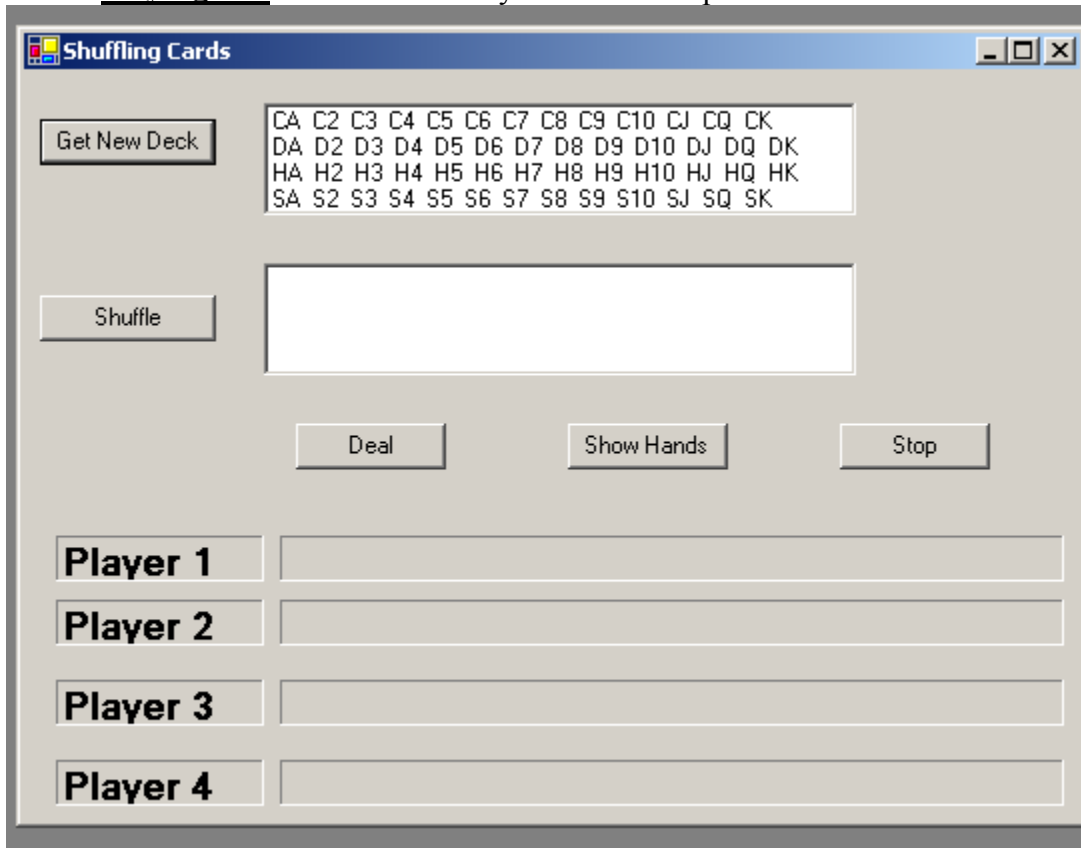
Button **Show Hands**: A new form is displayed with players cards.

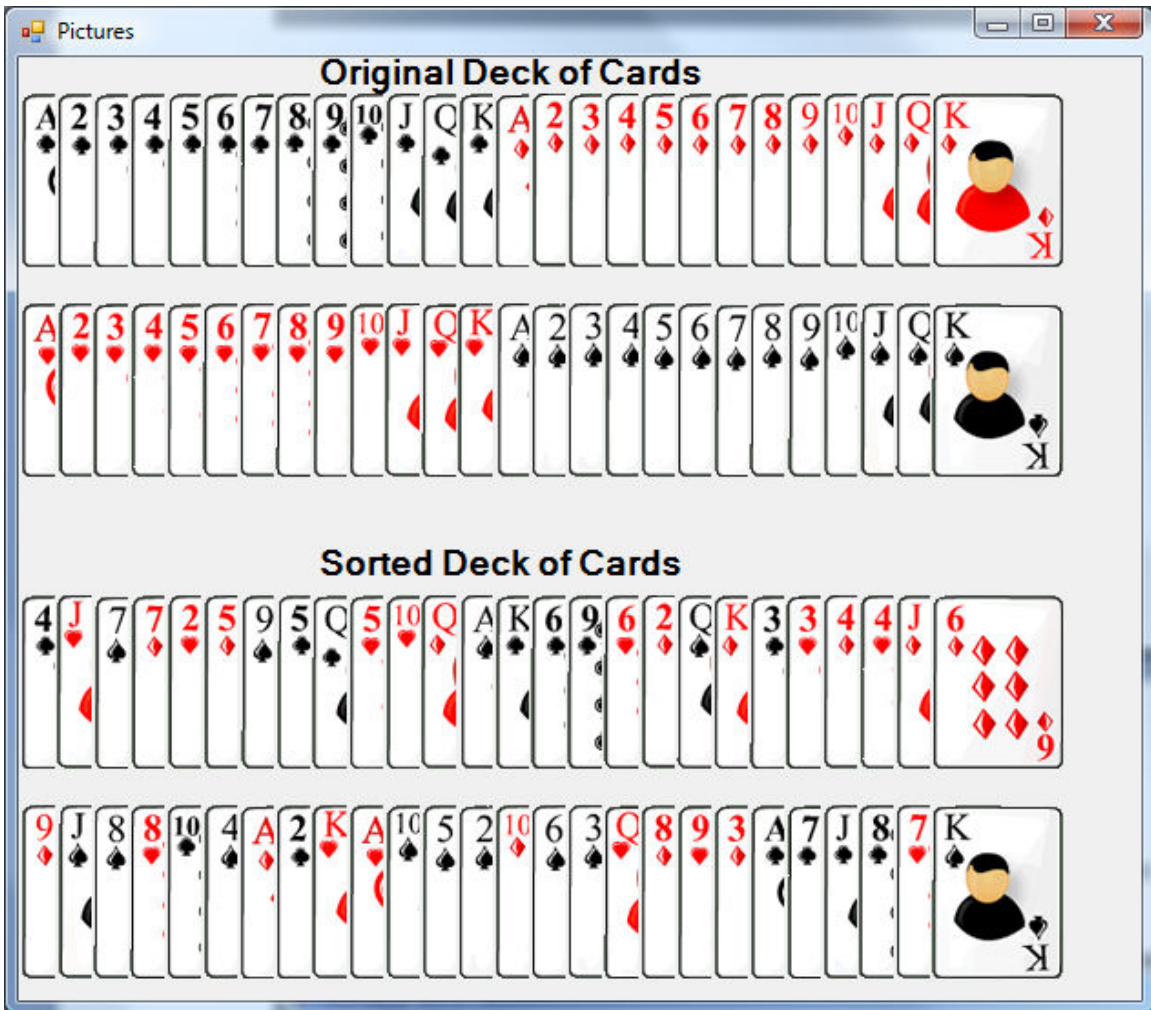


Button **Arrange Cards**: The cards are re-ordered using a two-dim sort and re-displayed.



Button **Play Again**: This button takes you back to the previous form.





Windows window titled "Show Hands" with standard window controls (minimize, maximize, close) in the top right corner.

Buttons: "Arrange Cards" (top center), "Play Again" (center above the card display).

Player Hands (Alphabetical Order):

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

Visual Card Display (Left to Right):

- Player 1:** J♠, 6♣, 9♠, 7♠, 10♠, J♠, J♥, 3♥, 7♥, 5♠, 4♦, 9♠, K♥ (with a red player icon).
- Player 2:** 3♦, 5♦, A♠, 7♣, 5♥, 6♦, 10♦, 7♥, Q♥, 10♠, A♥, 3♠, 2♠.
- Player 3:** J♦, 2♦, 3♠, Q♦, 6♥, 4♠, Q♠, 8♦, A♠, 9♥, K♦, K♠, A♦.
- Player 4:** 4♠, 8♥, 8♠, 4♥, 8♠, K♠, Q♠, 9♦, 2♠, 10♥, 5♠, 6♠, 2♥.

Arranged cards:

Show Hands

Arrange Cards

Player 1 C5 C6 C9 C10 CJ D4 H3 H7 HJ HK S7 S9 SJ

Player 2 C3 C7 D3 D5 D6 D7 D10 HA H5 HQ SA S2 S10

Player 3 CA DA D2 D8 DJ DQ DK H6 H9 S3 S4 SQ SK

Player 4 C2 C4 C8 CQ CK D9 H2 H4 H8 H10 S5 S6 S8

Play Again

Player 1

Player 2

Player 3

Player 4