

IT351 Human Computer Interaction

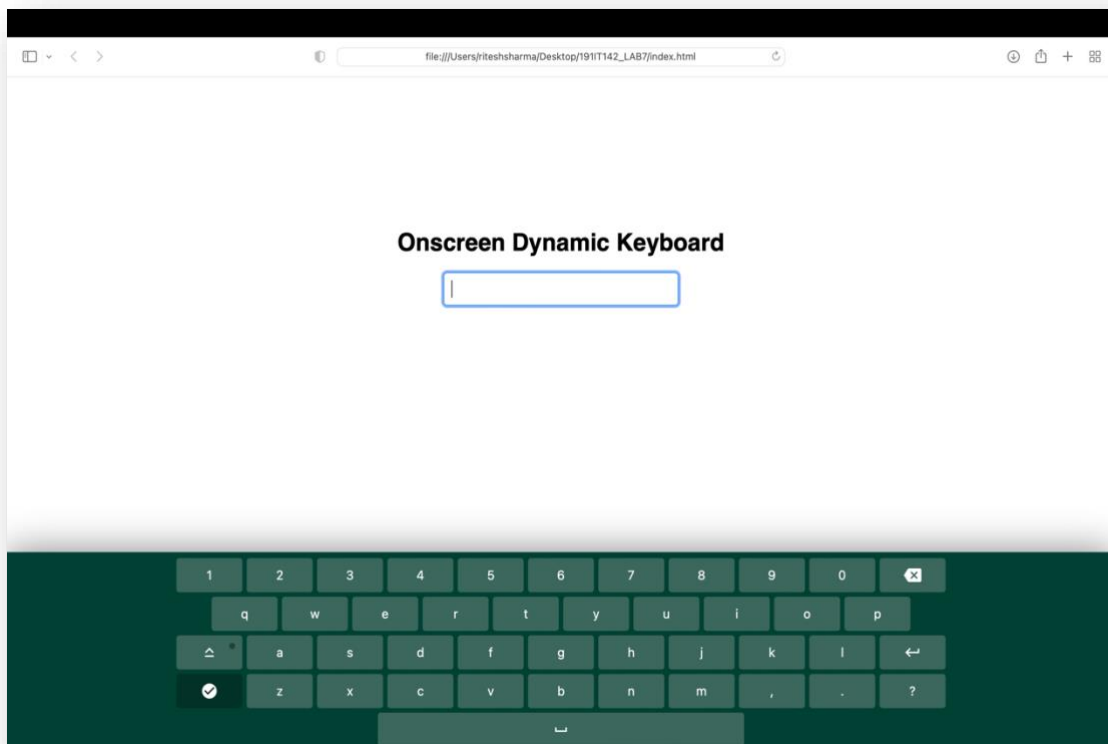
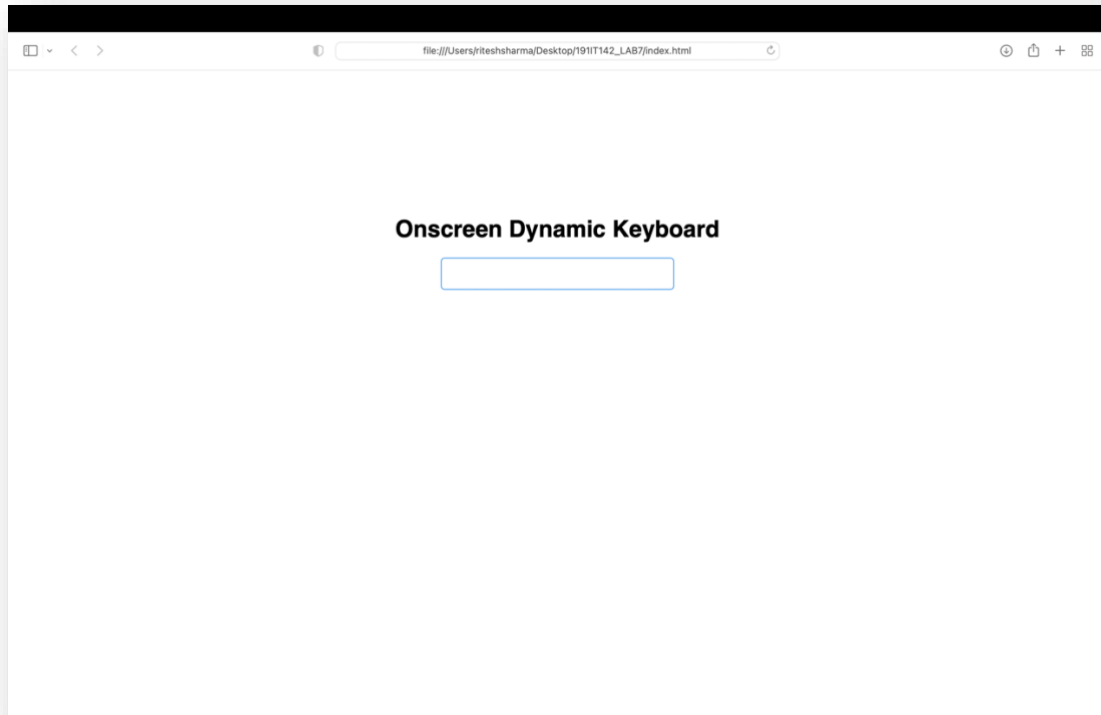
Assignment-7: Onscreen Dynamic Keyboard

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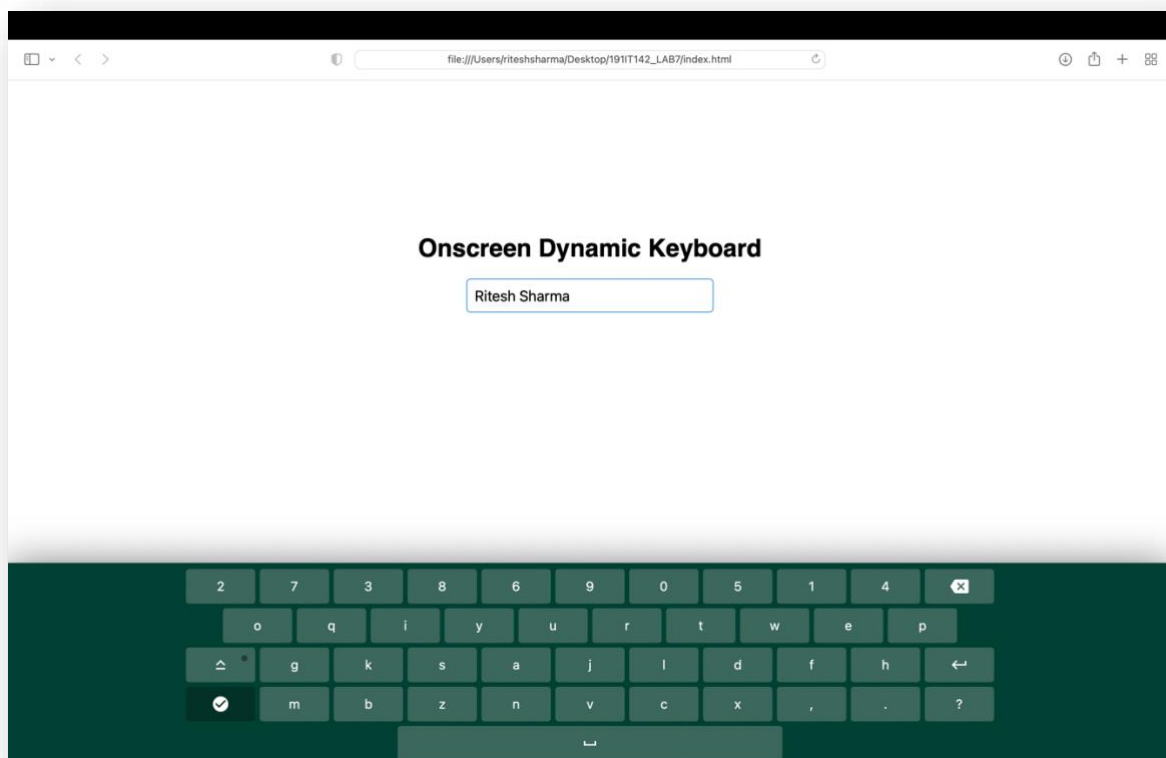
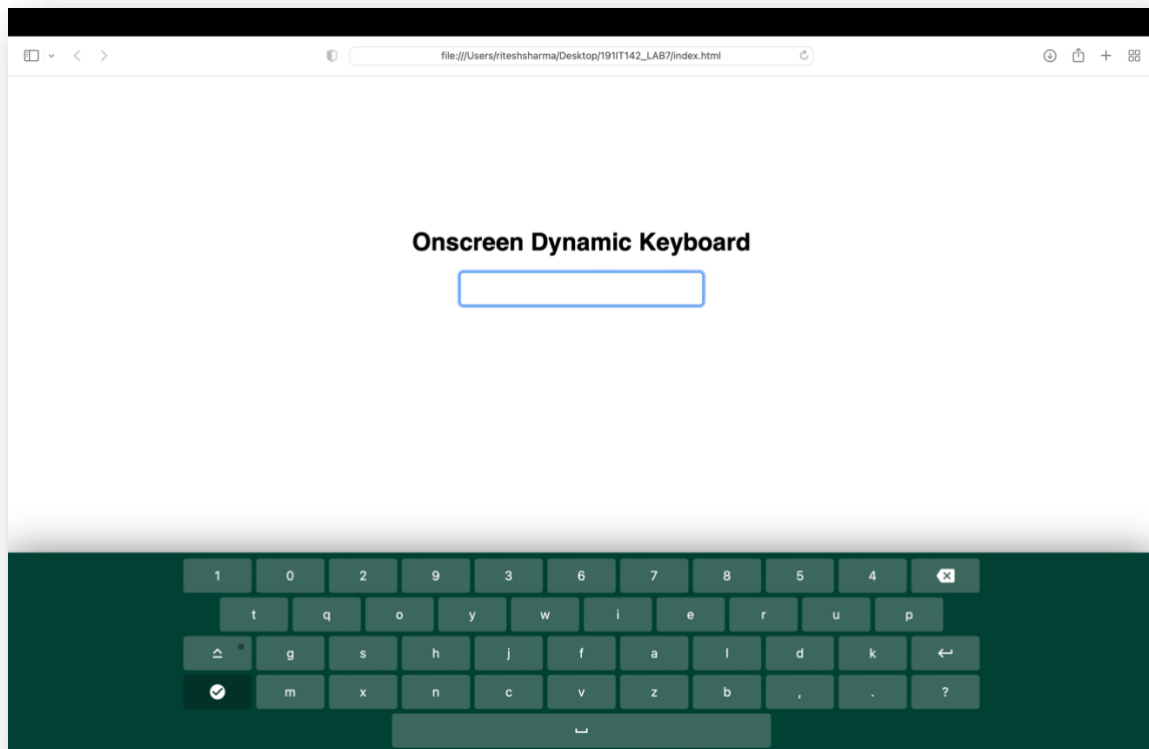
Aim:

To develop Onscreen Dynamic Keyboard.

Screenshots of webpage:



- Every time the user refreshes the page, each button changes its position on the keyboard in the same group.
- Each button changes its position within the same group.
- Group 1 buttons change their position with the group 1 button only, and other groups follow the same.



Result & Analysis:

I have grouped all buttons in groups as follows:

Group 1:



Group 2:



Group 3:



Group 4:



Users tend to remember the first line for numbers and further lines for alphabets while typing text. So when the user reloads pages, all numbers in group 1 will be shuffled, but they will remain on the first line. And line 2 alphabets will be shuffled internally and appear on the same line. And line 3 alphabets will be shuffled internally and appear on the same line. And line 4 alphabets will be shuffled internally and appear on the same line. In a given configuration, when the user clicks on the Caps button, all small alphabets are converted to corresponding capital alphabets

Conclusion

When we used a grouping of buttons, it became easier for the user to type since the user was aware of the probable location of characters.