

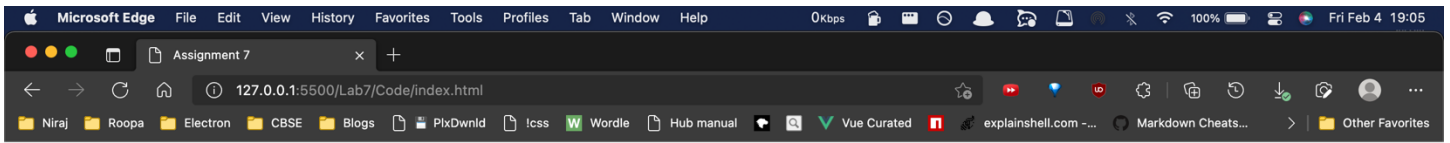
IT351 – Human Computer Interaction

Assignment 7 – Onscreen Dynamic Keyboard

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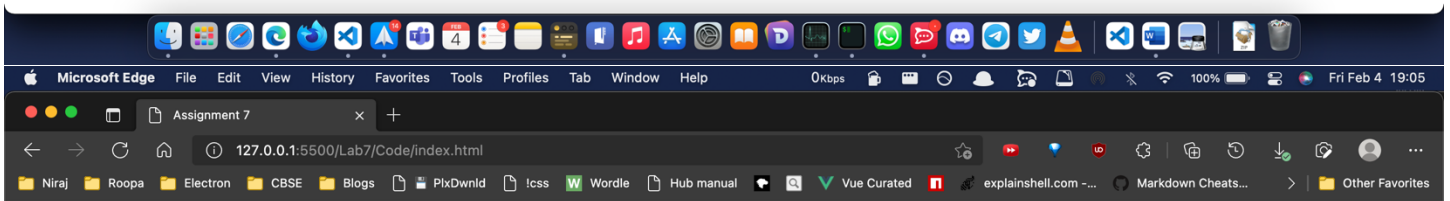
Two onscreen virtual keyboards (numeric and alpha-numeric) were designed for the secure entry of sensitive fields without the risk of keyloggers finding the secure text typed. In both keyboards, the key positions are dynamic and change each time the page refreshes or when the user clicks either of two buttons in the top of the screen. In the alpha-numeric keyboard, each row is split into two groups and the keys in those groups are shuffled every time. Grouping of keys was done so that the user will know where a certain group of keys will reside in thereby reducing the total input time as compared to a completely randomized alpha-numeric virtual keyboard.



NUMERIC ALPHA-NUMERIC

USE THE VIRTUAL KEYBOARD BELOW TO ENTER TEXT

9	1	5
3	7	2
6	8	0
4		

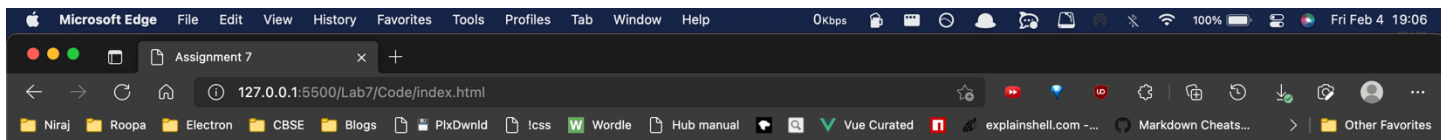


NUMERIC ALPHA-NUMERIC

USE THE VIRTUAL KEYBOARD BELOW TO ENTER TEXT

9	1	5
3	7	2
6	8	0
4		

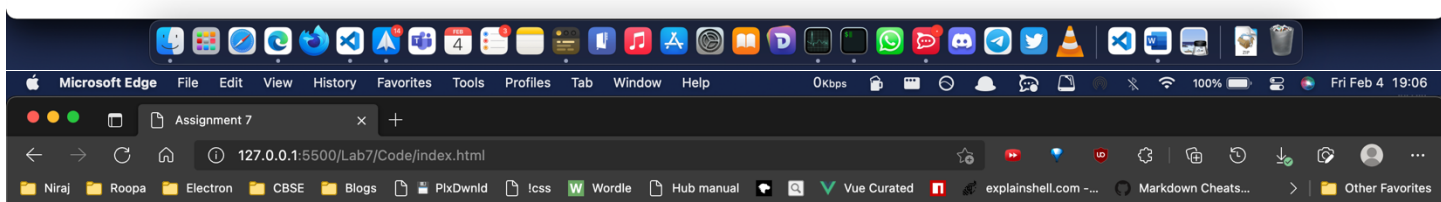




NUMERIC ALPHA-NUMERIC

USE THE VIRTUAL KEYBOARD BELOW TO ENTER TEXT

5	9	6	7	8	2	3	4	1	0
r	e	q	t	w	y	i	p	u	o
d	s	f	a	g	h	j	k	l	
v	c	x	z	b	n	m			
CAPS LOCK					SPACE				



NUMERIC ALPHA-NUMERIC

USE THE VIRTUAL KEYBOARD BELOW TO ENTER TEXT

5	9	6	7	8	2	3	4	1	0
R	E	Q	T	W	Y	I	P	U	O
D	S	F	A	G	H	J	K	L	
V	C	X	Z	B	N	M			
CAPS LOCK					SPACE				

