IT351 Assignment 7

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Demo video:
The demo video has been attached in Moodle alongwith the apk file.

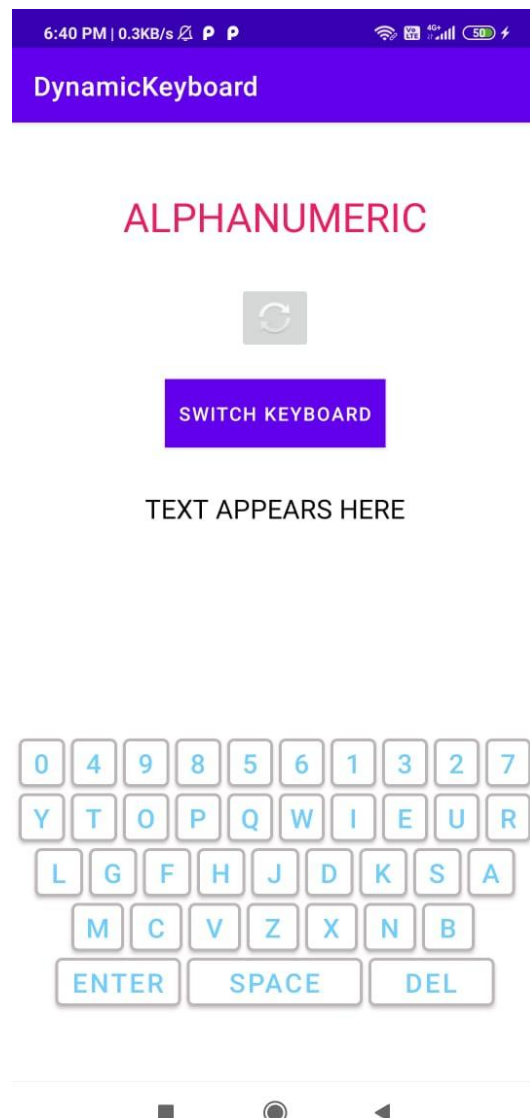**Dynamic Keyboard android app:**
The app supports 2 types of keyboards, one is numeric and the other is alphanumeric keyboard. On starting the app, the alphanumeric keypad opens up. The user can switch between keypads by pressing the "Switch Keyboard" button. The user can reload the keyboard by pressing the reload symbol on the screen.
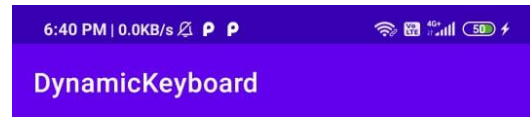
The typed text appears on the screen in the area shown with a dummy text.

(a) Alphanumeric Keyboard:

The image on the right shows the screen where the alphanumeric keyboard is displayed. The keys on the keyboard get shuffled on every page reload. The grouping has been done row wise. This means that the keys in each row get shuffled among themselves on every page reload. The last row keys do not shuffle as they are spacebar, enter and backspace(delete) options.

The user can use the enter button utmost 5 times after which the button gets disabled. The backspace(delete) key can be used until there is some valid text that can be deleted.

NUMERIC

SWITCH KEYBOARD

TEXT APPEARS HERE

(b) Numeric Keyboard:

The image on the right shows the numeric keyboard which can be accessed by pressing the "Switch Keyboard" button.

The keyboard supports shuffling among all the numeric keys. On every page reload, all of the numeric keys get shuffled unlike that in the alphanumeric keypad where shuffling happens among the rows.

Two more options of space and delete(backspace) are given to the user. Again, the user can use the delete key only when a valid text is present which is non-null.

0	4	7
9	2	8
1	3	5
SPC	6	DEL

THANK YOU.