**Button Builder preliminary requirements.**

The system will be Android-based and will subsequently work on an Android tablet.

1. The app will have three modes:

a. Edit mode – a toolkit for therapists to build user screens, which are comprised of buttons of various capabilities. A screen or set of screens can be saved and recalled.

b. User mode – a button application (constructed by a therapist in Edit mode), used as a communications and control device for the speech-impaired.

c. Keyboard/phrase construction mode - One user mode must be an on-screen keyboard to construct and say extensive, new phrases. The last x phrases will be kept in a list for quick access.

2. Button capabilities (built in Edit mode and used in User mode)

a. speak a phrase

b. play an audio file

c. move to a page of more buttons (as a way of organizing screens).

3. Button configurability (built in Edit mode)

a. Phrase or Control function

b. Voice

c. Size

d. Color

e. Shape (?)

f. Image

g. Move to another screen

~~h. audio file (to play when pressed)~~ (removed 2/28/2022)

4. Save/Restore – Each configuration of pages and buttons created by a therapist in Edit Mode will be save-able as a student file, and retrieve-able for later use (in User Mode), including further edits (in Edit Mode). The number of configurations to be saved and retrieved should only be limited by disk space.