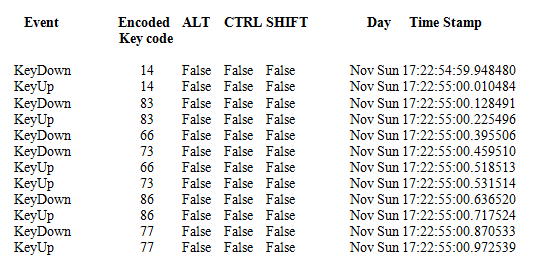


**Figure 1**

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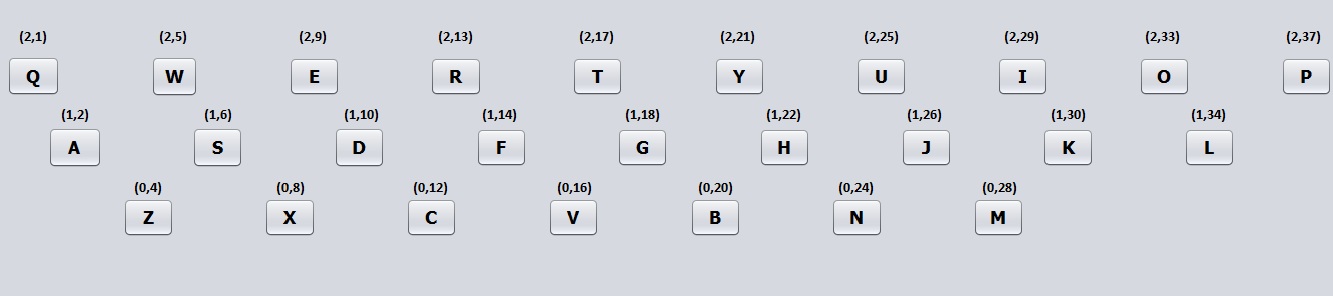
**Figure 2**

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**Figure 3**

X

Y

****

**Figure 4**

**Collected continuous keystroke data from users (registered or not registered)**

**For new enrolled users map each consecutive keystroke transition in the string to its radius, angle and direction of the movement of the hands**

**Find equivalent transitions from the continuous data for each consecutive pair of keystrokes typed in the string**

**Check if there are enough transitions available for preparation of the user model.**

**Calculate Features and form feature vectors**

**Prepare User model using supervised learning approach**

**System is ready for verifying the identity of the user**

**Figure 5**

**Figure 6**

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**Figure 7**

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**Figure 8**