User Input: A user will input English text into a field on a website.

Phonetic Conversion: The program will convert each word into its phonetic transcription using a phonetic alphabet (IPA, for instance).

Character Mapping: Each phonetic sound (IPA symbol) will be mapped to a corresponding character from the key below.

Display Output: The program will display the translated word based on the character key I provide.

For example: cat→kæt→kat

| phonetic sound | Replace with this |
| --- | --- |
| p | p |
| b | B |
| t | T |
| d | d |
| k | K |
| g | g |
| m | m |
| n | N |
| ŋ | n |
| tʃ | c |
| dʒ | J |
| f | Φ |
| v | v |
| θ | θ |
| ð | Ð |
| s | s |
| z | z |
| ʃ | ʃ |
| ʒ | ʒ |
| h | h |
| w | w |
| j | Y |
| r | R |
| l | L |
| i | E |
| ɪ | i |
| e | A |
| ɛ | e |
| æ | a |
| ʌ | u |
| ə | u |
| u | y |
| ʊ | ʊ |
| oʊ | O |
| ɔ | ɔ |
| ɑ | ɔ |
| aɪ | I |
| aʊ | aw |
| ɔɪ | OY |
| ʔ | ʔ |
| ər | r |

When a word starts with phonetic ‘r’, it gets replaced with ‘R’

But, when a phonetic ‘r’ is not the first letter in the word, it stays as ‘r’

Some of the characters are upper case, some are lower case. But if possible, make it so that the output result display shows each character as the same size, even though they are different cases.