Testing of OldPhonePad

Assumption is that Strings can only ever be sent that end in a hashtag.

However program will handle strings that do not do so without failure.

|  |  |  |  |
| --- | --- | --- | --- |
| Scenario | Sample Strings | Handling | Covered in Test Suite |
| Empty String | “#” | Return empty string “” | Yes |
| Invalid Input | “hello”  "44dd33555 555666#"  null  "44!@33555 555666#" | Return “invalid string” | Yes |
| All Characters | "1011011102022022203033033304044044405055055506066066607077077707777080880888090990999099990\*#" | Return "& ' ( a b c d e f g h i j k l m n o p q r s t u v w x y z \*" | Yes |
| Pauses | "2 22 2220222 22 202222 2 222 2#" | Return "abc cba aaca" | Yes |
| Multiple Pauses | "222 2 34 44 4444 #" | Return "cadghg" | Yes |
| String with Stars | "8 88777444666\*664#" | Return "turio\*ng"; | Yes |
| More presses than max options for a button | "4444433555 5556660446669027777777330999999966688#" | Roll over back to start when going over  Return "hello how are you" | Yes |
| Hashtag in middle of string | "4433555 555666#04466690277733099966688#" | Consider string finished at first hashtag  Return "hello" | Yes |
| Single Character | “2#” | Return “a” | Yes |