

Design the required class from the given code and the outputs. [You are not allowed to change the code below]

Hint:

Number of the border characters for the top and the bottom

= Number of spaces between the left side border and the first character of the button name

+ Length of the button name

+ Number of spaces between the right side border and the last character of the button name

NOTE: Don't count the space or any character from the button representation to solve this problem.

#Write your class code here

```
word = "CANCEL"
```

```
spaces = 10
```

```
border = 'x'
```

```
b1 = buttons(word, spaces, border)
```

```
print("=====")
```

```
b2 = buttons("Notify",3, '!')
```

```
print("=====")
```

```
b3 = buttons('SAVE PROGRESS', 5, '$')
```

Output:

CANCEL Button Specifications:

Button name: CANCEL

Number of the border characters for the top and the bottom: 26

Number of spaces between the left side border and the first character of the button name: 10

Number of spaces between the right side border and the last character of the button name: 10

Characters representing the borders: x

```
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
```

```
x#####CANCEL#####x
```

```
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
```

```
=====
```

Notify Button Specifications:

Button name: Notify

Number of the border characters for the top and the bottom: 12

Number of spaces between the left side border and the first character of the button name: 3

Number of spaces between the right side border and the last character of the button name: 3

Characters representing the borders: !

!!!!!!!
!##Notify##!
!!!!!!!

=====

SAVE PROGRESS Button Specifications:

Button name: SAVE PROGRESS

Number of the border characters for the top and the bottom: 23

Number of spaces between the left side border and the first character of the button name: 5

Number of spaces between the right side border and the last character of the button name: 5

Characters representing the borders: \$

\$
\$####SAVE PROGRESS####\$
\$