

Defuse the Bomb  
A CSC 102 Project

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# **BOMB DEFUSAL**

# **MANUAL**

# PHASES

The bomb has four phases that must be completed to defuse it. You may complete these phases in any order and no single phase is dependent on another.

# STRIKES

You only have so much room for error when defusing bombs! If you make 5 errors before each phase is successfully defused, the bomb will explode. Additionally, you only have 5 minutes to solve everything. So be quick, but avoid mistakes.

# TOGGLES

This step is solved by referring to the bomb's unique system model. The leading three numbers in this model ID provide you with a sum to defuse the toggles. This can be done by first converting the sum to binary, then representing each digit as a toggle.

(Off = 0, On = 1).

# KEYPAD

The bomb has a hidden passkey encrypted in morse code. In order to solve the Keypad puzzle, decipher this hidden phrase. Upon deciphering it, a keyword will reveal itself. This keyword should then be inputted into the keypad in order to defuse that piece of the puzzle.

A ● -	J ● - - -	S ● ● ●
B - ● ● ●	K - ● -	T -
C - ● - ●	L ● - ● ●	U ● ● -
D - ● ●	M - -	V ● ● ● -
E ●	N - ●	W ● - -
F ● ● - ●	O - - -	X - ● ● -
G - - ●	P ● - - ●	Y - ● - -
H ● ● ● ●	Q - - ● -	Z - - ● ●
I ● ●	R ● - ●	

# BUTTON

The bomb's unique serial number contains its year of manufacture. The year that the bomb was made is key in defusing the button step. Additionally, the bomb's button displays one of three unique colors at its startup: red, green, or blue.

**RED** - Release the button when the seconds digit in the clock matches the last digit of the year the bomb was made.

**GREEN** - Release the button when the seconds digit in the clock matches the second to last digit of the year the bomb was made.

**BLUE** - Release the button when the seconds digit in the clock matches the first digit of the year the bomb was made.

# WIRES

The bomb is drawing power from a building located on campus. You must break this connection. To do this, refer to the University of Tampa's campus map. First, check for that building's unique ID number. Then, convert it to binary (Should be five digits). In order to solve this step, the final product of wires must match the binary conversion of the building ID number, not its inverse.

(Unplugged = 0, plugged = 1)

## THE UNIVERSITY OF TAMPA

## CAMPUS MAP 2021

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