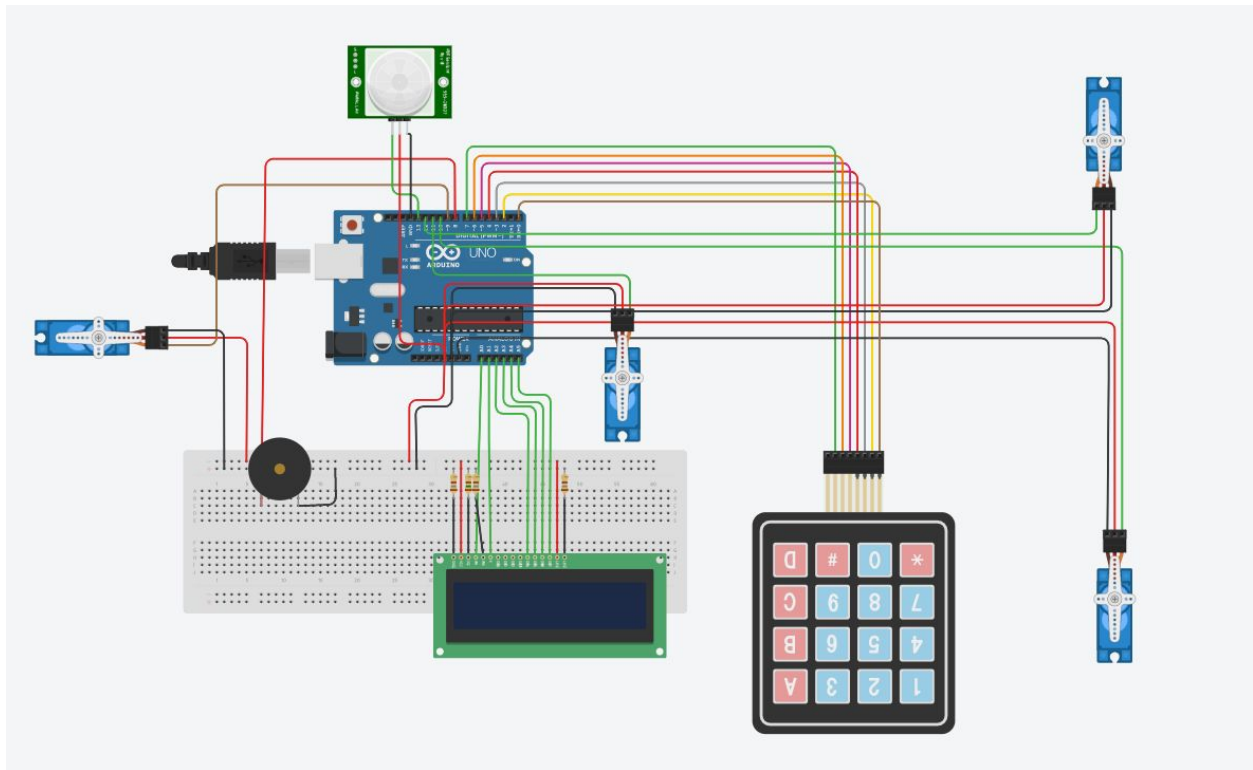# Team : The Mechaneers
National Treasure

Introduction

We "The Mechaneers" have developed a great security system for the National Treasure of the old pirate.

But, Jack Sparrow and Benz Gate have found the key for the entry (Gate1) from their Great Grandfather which is "8980". Let's see if they successfully open every gate and find the treasure and leave the cave or else we the great engineers are smart enough to trap them inside the cave.

After they enter the cave through the gate 1, they will see a hint "walks on sand, floats on sky#*" and "Sum it up". Also the bait gate "Gate3[Right] will be opened. On decoding,

answer of first is a scorpion and code of second gate will be summing the numerical values of alphabets of scorpion with "#*" as last two digits which is a special code of this system.

If they decode the code of Gate2, then a hint "Let The Eagle Fly" will be displayed. On decoding this, merging the first letters of all words will give us 'LEFT'. Which shows them that they need to choose the left gate of the third level.

On coming to the third level of cave they will get two gates i.e Right or Left. The Right gate will be opened from starting which is a bait and the left gate is closed which is the real exit of the cave. At this level they won't be able to see the LED screen and they would be answering the last code on the serial monitor. We shall display a message which shall attract them for the bait. Then we shall ask them a question, if the answer would be YES that means they choose the right gate(where the motion sensor is kept) . So as they reach in range of the sensor the buzzer will start ringing and they will fall in the bait. But if they are smart and they type NO for not accepting the bait and then they type LEFT(for the code of the left door) then the last door also opens up. Here we brought the famous way for decoding the left gate i.e. **the location is the code.**

All letters of left should be caps. They should get this hint from the lcd of the 2nd door. After typing left the exit gate will be opened and they could escape the cave successfully with the treasure.

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