# Summary of the product’s functionality:

The mission of the robot is to escape the squared maze with walls. It detects the walls using 3 infrared sensors in front, left and the right of it. We use Depth-first search algorithm to find all possible ways or branches for robot to go through without any repetition.

# Scenario:

In the real-life situation, developers can upgrade its functionality in terms of direction detection. That means the robot can detects more than 3 ways to go. Because in real life, it is used in discovering dangerous caves, finding routes in city and so on.