Logo

Description automatically generated

**Instituto Tecnológico de Santo Domingo**

**Nombres:**

Alex David Valenzuela Rodríguez

**ID:**

1093917

**Asignatura:**

Laboratorio Tendencias de Desarrollo de Software

**Sección:**

1

**Maestro:**

Lorenzo Solano

**Test Plan - Dead Ant Count Algorithm**

**Objective**

The objective of this test plan is to verify the correctness of the dead ant count algorithm by testing various scenarios.

**Scenarios**

**Positive scenarios**

* Input with multiple occurrences of “ant” and dead ants:
* Input: “ant ant …. a nt”
* Expected: 1
* Empty input string
* Input: “”
* Expected: 0
* Input string containing only spaces:
* Input: “ ”
* Expected: 0
* Input with varied occurrences of “ant” and dead ants:
* Input: “ant anantt aantnt”
* Expected: 2

**Negative scenarios**

* Null input:
* Input: null
* Expected: 0
* Input string with only “ant” and no dead ants:
* Input: ”ant ant ant ant”
* Expected: 0
* Input with no occurrences of “ant”
* Input: “Prove”
* Expected: “0”
* Input string with invalid characters.
* Input: ”ant\_1%#...a….ant”
* Expected: 1