Group 5 Test Plan

1. **Introduction**

Test Plan Objectives:

To ensure that our software is working properly before releasing it to our customer.

Including the following:

* 1. Accepting correct weight, size and destination
  2. Throwing an error if any of them are not corresponding with the limitation

1. **Scope**
   1. **The following will be tested:**
      1. **Input validation for weight, size and destination**
      2. **Assigning truck (Blue, yellow or green) with the correct input values**
      3. Display the correct output
   2. **The following will not be tested:**
      1. The map will not be tested as it is expected to be correct
2. **Test Strategy**

**To performing the test, the following testes will be implemented :**

3.1. Unit test (white-box)

Make sure all input are corresponding with the limitation:

1. Weight: 0.1 - 1000 kg for one truck
2. Size: 0.25 / 0.5 / 1 cubic meters, maximum for truck is 36 cubic meters
3. Destination: Within the map, from A to Y and from 1 to 25.

3.2. Black box

For individual validation of user input, to make sure the error will be thrown when user input is not within the limit, and accept correct input.

1. **Test Reporting**

Documented every test case for both black- and white-box in Excel file and Google documents.

1. **Test Schedule**

(Follow the MS deadlines)

1. **Control Procedures**

**Values that are used to test regulate the flow control of black- and white-box testing.**

1. **Functions To Be Tested**

**In Input.c, two functions will be tested.**

* 1. Input();
  2. header();

1. **Resources**
   1. Seneca blackboard
   2. SFT221 website
2. **Deliverables / Documentation**

Completed project files including:

1. .c and .h files
2. Scrum report
3. Text plan
4. **Tools**
   1. **Visual Studio**
   2. **Visual Studio Code**
   3. **MS office**
   4. **Git**
   5. **Github**
   6. **Jira**
5. **Approvals**

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