

# **TEST PLAN DOCUMENT**

**for**

## **TRANSPORT COMPANY COMPUTERIZATION SOFTWARE**

**Version 1.0 approved**

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## 1. REFERENCES

Our SRS (Software Requirement Specification) is the reference that support this test plan.

## 2. INTRODUCTION

The test suite design is a high-level overview which provides a way that helps in formulating a testing strategy for the Transport Company Computerisation Software. The objective of the test suite is to communicate the quality of project standards and procedure. The documentation specifications described in the IEEE Standard 829-1983 for Software Test Documentation will be applied.

## 3. TEST ITEMS

This product is supposed to test all the features listed in section 2.2 of our SRS file, i.e., compute charge, update database, allot truck and dispatch assignment.

## 4. FEATURES TO BE TESTED

Following are the features to be tested in the Software:

i) For Manager:

- ~Add Truck
- ~Add New Branch
- ~Add Employee
- ~View All Branches
- ~View Trucks

- ~View Employee
- ~Delete Employee
- ~ Add Consignment
- ~View Head Office Consignment
- ~View All Consignments

ii) For Employee:

- ~ Add Consignment
- ~ View Consignments

## 5. FEATURES NOT TO BE TESTED

- Password resetting in case of forgotten password
- Live location of the consignment between the start and end address.
- No provision to check format of email entered, i.e., it'll show no error even if the email id is not of the format 'x@y.com', it'll work fine regardless.
- The rate is fixed and to change it the source code is to be tampered with which is not ideal.

## 6. APPROACH

The strategy to run the code is to just run it in the compiler and put inputs as the terminal demands.

## 7. ITEM PASS/FAIL CRITERIA

The actual output is same as expected output without an error for a given input.

## 8. Test Deliverables

We are delivering the test suite along with this test plan. The SRS file and UML diagrams have been submitted beforehand.

## 9. Remaining Test Tasks

This is a single-phase testing process and all the features will be tested at once. There are no remaining test tasks.

## 10. Environmental Needs

There are no special requirements for this test plan. It only needs a computer with Python compiler installed.

## 11. Staffing and Training Needs

It is not required to specially train somebody to use this software as it is very easy to use. However basic knowledge of using computer and code compiling is required to use this software.

## 12. Responsibilities

The whole team will be responsible for the verification and acceptance of all the test plans and documentation. It is made by us comprising of all the 3 members.

## 13. Planning Risks and Contingencies

There are no planning risks and contingencies as of now. We have all the resources such as hardware, software and all-important information about testing. We are hoping that we

will be able to provide the necessary test plan and test cases. All the duties are assigned to team members and we will be able to complete it on time.

## 14. Approvals

All the three team members can approve whether our project is complete or not. The team members:

- 1) Arpit Das (19CS10012)
- 2) Suguna Bhaskar Tirupathi (19CS10063)
- 3) Ankit Lalotra (19CS30004)