**Test Summary Report Template**

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# Introduction

## 1.1 Background

This document provides the Test Summary for the testing activities.

*This projects goal is to optimize delivery patterns, through truck diversion, and shipment, there are a total of 3 trucks that split up around the ‘map’/city. Each truck may be diverted to a package using the shortest path. In terms of testing this project, key tests are of the valid functions, which ensure a valid package is passed (e.g a valid shipment size, weight and address) as well as if a truck has space. These helper functions were rigirously tested to ensure a valid function(input wise).*

## 1.2 Structure of the Report

This report is structured in the following manner:

* Section 2, Overview, provides an overview of the significant events and activities.
* Section 3, Adjustments, records any modifications of the items from those areas agreed on previously, especially in areas that may cause concern to the group accepting the test results, including any references to supporting documentation that covers the reasons for the changes.
* Section 4, Assessment, provides a brief assessment of the comprehensiveness of the testing process.
* Section 5, Results, provides a summary of the results.
* Section 6, Evaluation, provides an overall evaluation of the testing process including any observed problems and/or limitations.
* Section 7 provides a summary of the major testing activities and events.

## 1.3 References

*A list of documents referenced within this Test Summary Report document.*

*Integration Tests Document  
Acceptance Tests Document*

*Whitebox/Blackbox Tests Document*

# Overview

This section provides a high-level overview of the significant events and activities.

Overview:  
  
Overall, the tests done were a high amount, blackbox tests were done before the code, implemented and were succesful, the desired output was achieved. This same logic applied for whitebox testing, as we already knew the code. Integration testing followed a similar logic, it integrated two functions together (such as valid and validShip) test if both suceeded. With acceptance testing, it was also done. Lastly, the type of testing which was not done consisted of regression testing, load/stress testing, but these didn’t seem that nessecary. The type of software stayed the same, which was VisulStudios Test Explorer, as well as on Windows. The data consisted of structs mainly, which were self implemented, such as Trucks, Shipments and etc.

# Adjustments

This section is used to record any changes of the items from those areas agreed on previously, especially in areas that may cause concern to the group accepting the test results, including any references to supporting documentation that covers the reasons for the changes.

# Assessment

This section provides a brief assessment of the comprehensiveness of the testing process for the completed testing phase against the test objectives and constraints specified in the Test Plan document.

Where code coverage measurements have been made, the results should also be included in this section.

This section also identifies any aspects of the AUT that were not tested as thoroughly as planned (due to insufficient time or resources).

# Results

This section provides a summary of the results, identifies all resolved issues and summarises the details of their resolution, and lists any outstanding issues.

# Evaluation

This section provides an overall evaluation of the testing process including problems (not fixed issues) and limitations.

There were some bugs, with divert and assignpackage, this resulted in failed tests, and tests not running, these resulted in debugging which took some time, the errors lied in the test data as well as the function storing values/calculating values a wrong way. Besides this, the overall testing, blackbox, whitebox went very well, acceptance tests did as well.

# Summary of Activities

This section provides a summary of the major testing activities and events. This section also summarises testing resource information, such as total staffing levels, total testing time, cost, etc.

Summary Of Testing:  
  
Overall, the testing pointed out some bugs which needed to be addressed as well as logic changes, these integration and acceptance tests allowed for the code to be changed, to meet the requirements. (as welll as pointing out syntax errors semantic errors etc). Furthermore, the testing plan greatly aided in helping find a proper plan, of what was being tested, how and who by etc. Lastly, the total testing time was about 3 weeks. This resulted in quality test data, and testing overall, which minimized bugs/errors.