

Test Plan

By Karol Baran

v1.0

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Introduction

This document contains a plan which aims to test the system implemented against the initial specifications and requirements.

Testing strategy

The system test is divided into several categories which should simplify the overall testing procedure as well as the ability to locate and correct bugs and errors.

1. System test

The System tests will focus on the behavior of the implemented system. We aim to perform at least 1 test for every minor function and a variety of tests for the more complex features using different combinations of inputs.

2. Accuracy test

How accurate is the system in the real world? This aspect is very important as the whole idea of our system is to provide users with accurate information.

3. Performance test

Test the general responsiveness of the system. How quickly will the system come up with a solution for a very complex journey involving all possible means of transportation?

4. Stress test

How well does the system perform under heavy loads? This test will mostly determine if the system is capable of handling multiple queries (10s-1000s) within reasonable time frame. Similarly to the performance test, the stress test will determine the effectiveness and efficiency of algorithms implemented in the system

5. Recovery test

The entire system is based on data gathered from outside sources. How does the system respond when those sources fail to provide data at a given moment.

6. User acceptance test

Our final test will involve potential users directly. We aim to gather a group of people of different ages, occupations and interests and let them try out the

Test Table

| Test no. | Description | Assigned to (member) | Expected result (pass/fail) | Completed on (date) | Actual result (pass/fail) | Correction |
|----------|-------------|----------------------|-----------------------------|---------------------|---------------------------|------------|
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Schedule

Summary