**Test Plan**

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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.

1. **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.

1. **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?

1. **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

1. **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.

1. **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**