

CMSC 345

Software Design and Development

UMBC-CMSC 447 Section 2 Team 4
Team Awesome

Planes for Hire

Testing Report Template

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Purpose of This Assignment

- To appreciate the complexity and necessary formality of the testing process.
- To learn how to devise comprehensive test suites while minimizing overall testing effort.
- To understand the use of equivalence partitions and boundary values in the testing process.

[Planes for hire]
Testing Report

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1. Introduction

1.1 Purpose of This Document

This document is intended for system administrators, quality assurance teams, and other users interested in reviewing the test procedure used for the development of the first iteration of this product. This report will define and analyze the testing process and describe the results. Since no actual code has been written yet, we have no test results. There will be test results for Spiral 2.

1.2 References

Use cases from the System Requirements Specification (SRS) documentation.

2. Testing Process

2.1 Description

Our server is going to have basic account creation and removal functions implemented in php, which will be done via communication with the database. Due to the fact that multiple tables may contain user information, this will require rigid testing to ensure there are no remnants of previously deleted users. We will test this by creating and deleting accounts multiple times, and checking the database for entries that should have been eliminated. We will verify that non-users are unable to check out planes, but are able to query for nearby airports.

We will do a similar test in checking in and out a plane. A checked-in plane should be flagged in the database such that it will not show up in a user's query. A checked-out plane should set this flag back to normal, allowing its use once more. Constant checking of the database will be necessary.

3. Test Results

For the testing case, we actually need to code and then test for each use case. These steps will be done on spiral 2 or 3.

Appendix A - Team Review Sign-off

This document has been collaboratively written by all members the team. Additionally, all team members have reviewed this document and agree on both the content and the format. Any disagreements or concerns are addressed in team comments below.

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Appendix B - Team Review Sign-off

This document has been collaboratively written by all members the team. Additionally, all team members have reviewed this document and agree on both the content and the format. Any disagreements or concerns are addressed in team comments below.

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Appendix C - Document Contributions

Sundar Sekar assembled the document. He reviewed and edited the document. Robert added information for part 1 . Andrew Added information for part 2. Du added information for part 3 and Appendix c.