

CMSC 345

Software Design and Development

UMBC-CMSC 447 Section 2 Team 4
Team Awesome

Planes for Hire

Administrator Manual

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[Planes for Hire]
System Requirements Specification

Table of Contents

1. Introduction

1.1 Purpose of This Document

1.2 References

2. System Overview

2.1 Background

2.2 Hardware and Software Requirements

3. Administrative Procedures

3.1 Installation

3.2 Routine Tasks

3.3 Backups

3.4 User Support

4. Troubleshooting

4.1 Dealing with Error Messages and Failures

4.2 Known Bugs and Limitations

Appendix A – Peer Review Sign-off

Appendix B – Document Contributions

1. Introduction

1.1 Purpose of This Document

This document is geared towards a system administrator and is a step-by-step guide to setup and install Planes for Hire on a linux based server. Setup is a breeze and once complete users can become fully integrated into the system. Please have the System Requirements Specification and System Design Document close by for quick reference.

1.2 References

1. Refsnes Data (1999-2015). w3schools.com. Retrieved from "<http://www.w3schools.com/googleapi/>"
2. The PH Group (2001-2015). PHP. Retrieved from "<http://php.net/>"
3. QuinStreet Inc (2015). SQLCourse.com. Retrieved from "<http://www.sqlcourse.com/>"
4. The Planes for Hire System Requirements Specification Document
5. The Planes for Hire System Design Document

2. System Overview

The section describes the history and hardware and software requirements of the Planes for Hire application.

2.1 Background

The Planes for Hire application is charged with creating a rental plane service, which can be thought of as an online car rental service. Please refer to the System Requirements Specification, section 1.2, for more information about the purpose of this application.

The Planes for Hire application is largely self-sustaining but can be easily extended if necessary. In the event of any crash or error recovery this document describes how to quickly find log files and generate scheduled database backups.

2.2 Hardware and Software Requirements

The system can be run on either a Windows, Mac, Linux, or Unix based operating system. As an Apache server, it supports PHP 5.0, and uses phpMyAdmin for database management. It

uses MySQL as the server, and the entire database is started up using Xamp. The frontend is written in HTML, CSS, and Javascript.

3. Administrative Procedures

The section describes how to install Planes for Hire software requirements as well as Planes for Hire itself. In addition routine and periodic administrative tasks are described below.

3.1 Installation

User must download the www codes directory. User must install Xamp. After opening the application, click on the Apache config button, and click on httpd.config. Scroll down the text file and find the two lines regarding the document root. User must replace their current values with the current path of the www codes directory.

3.2 Routine Tasks

The admin must add new airports or airplanes depending on the demand for flying our airplanes. The admin can also delete users if they are violating user rights and grant special needs for other users.

3.3 Periodic Administration

We recommend periodically backing up the system in the case of server failure and to prevent loss of user information. We can export the database to github to prevent loss of data.

3.4 User Support

For additional support please contact us via email. We are always available with 24 hour customer service representatives standing by.

4. Troubleshooting

In the event of an error or bug troubleshooting is necessary. We have outlined common issues that may arise during use of the Planes for Hire application.

4.1 Dealing with Error Messages and Failures

Please contact our online support forums in troubleshooting all error messages or failures. An issue that might arise is the need for additional database columns or tables. Occasionally, the website may display incorrectly after long usage. In order to remedy this issue, clearing the cache often fixes alignment issues.

4.2 Known Bugs and Limitations

Currently only a few bugs exist in the system. Users are unable to have the same email as another user when they are registering. However, the admin and users can change this later on. The admin can go on the admin page & change the email to match another user. Users can do the same thing if they want to update their information. This can create duplicate users which may cause problems when the system or admin are trying to look for a specific user. The user can also select a password less than eight characters. This is not safe for security reasons.

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.

Team

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Appendix B - Document Contributions

Roberto did part 1, 2.1, title page, table of contents, and worked a little on everything. The rest of the team contributed to 2.2-4 together.