Software Requirements Specification

Version 1.0

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**Airline Flight Booking System**

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# 1.0. Introduction

## 1.1. Purpose

This SRS document presents a detailed description of the Airline Flight Booking system, version 1.0. It represents the client requirements analysis that defines the functional and nonfunctional requirements of the airline website and its different functionalities. It defines the abilities, reactions from stimuli, guidelines and limitations of the system. This document will be complete in its scope of the system and the functions required. The system provides a solution to allow the user to search for flights satisfying the user criteria, to reserve seats, to manage the user account, and to book a flight.

The intended audiences of this document are Dr. Chen, who is the client, software engineers, the spring 2009 CS5391 software engineering class and for anyone who has interest in software engineering.

## 1.2. Scope of Project­­

The airline booking website is an application stored in the user server. The purpose of the website is to resolve the client to allow website users to perform tasks related to booking an airline flight. Non-member users are only allowed to search for available flights; nonmember users are required to create an account in order to reserve a seat or to book a flight. Member users have the right to search for available flights, to reserve a seat, to book a flight, cancel a flight and to edit their member information. Member users are required to login into their account prior to flight booking..

## Glossary

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| **Term** | **Definition** |
| Authentication | The process of identifying an individual, usually based on username and password |
| Cached | A form of storing information/data, usually this data is repeatedly accessed. |
| CSS | Cascading Style Sheets is a feature to give users and developers more control on how web site pages are displayed. |
| Database | Is a structured collection of records or data that is stored in a computer system . In our system, this may pertain to flight records or user information. |
| Dynamic Links | A pointer to a particular scope called during runtime. |
| Encryption Algorithm | A mathematical procedure for performing encryption on data, which is translating data into secret code. |
| HTTP | Hyper Text Transfer Protocol is the underlying protocol used by the World Wide Web. It defines how messages are formatted and transmitted and what actions should be taken in response to various commands. |
| Hyper Links | Also called link, is a directly followable reference within a hypertext document |
| Input Criteria | A defined particular group of criteria, which defines inputs. |
| Query or Queries | A form of questioning. In this document, query pertains to a search entered by a user into a search engine to return results. |

## 1.4. References

Pressman, Roger S. Software Engineering: A Practitioner’s Approach. New York, NY: McGraw-Hill, 2005. - Lecture slides.