**Air Route Planner**

Software Design Specification

**That “One” Team**

**SE 300 Section 1**

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# **Purpose**

The purpose of this document is to specify the design details for the Air Route Planner (ARP). The ARP will contain classes that break down the functionality into several key components: user interface, file handling, search algorithms and the manner in which the output will be formatted. A detailed description of what methods and features will be included in this software will be outlined in the later sections of this document.

# **Problem Statement**

The goal of this project is to create an Air Route Planner (ARP) that will allow a user to select an origin and destination based on a database of airports. The system will then search for a route based on time, cost, and airline most frequently used. This information will then be displayed back to the user.

# **Team Project Information**

Course: Spring 2013 SE300 Section 1

Team: That “One” Team

Members/Roles:

* **Team Leader:** Brian Powell
* **Development Manager:** Brittany Rompa
* **Planning Manager:** Craig Wilkerson
* **Quality Manager:** Yutong Zhu
* **Req/Support Manager:** Muraad Khan

# High Level Design

Introduction

Class Diagram

Class Specifications

User Interfaces

File and Report Formats

# Detailed Design

Introduction

Method Specification