**Website Specification Document**

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**Project domain name:** [www.FlyAway.com](http://www.FlyAway.com)

1. **Overview:**

Our new site will perform following functionality for our business:

“The aim is to allow users to book flights on our website. Our site provides convenient search engine and allow customers to make online ticket bookings.”

1. **Background:**

We are the company who manage the airline ticket-booking transactions.

1. **Number of Sprints planned:** 3
2. **Appearance & look:**

Corporate colors and logo.

1. **List of Pages:**
2. **Search form & Home Page:** The home page will show the users a search from to allow the entry of travel details, like the date of travel, source, destination and number of persons.
3. **Admin Sign In:** It allows our members & staff to log in to our site.
4. **About Us:** Details of our company and the administration.
5. **Contact Us:** Has the full contact details – including sales email address, phone number.
6. **Search Results Page:** This shows all the available flights with their ticket prices once user search for their travel.
7. **Search Results Page:** This shows all the available flights with their ticket prices once user search for their travel.
8. **Flight Details Page:** This shows the complete details for the flight selected on the results page.
9. **Register Page:** Once a person selects a flight to book, they will be taken to a register page where they must fill in their personal details.
10. **Payment Page:** Once user register the details, they are shown the flight details of the flight that they are booking, and the payment is done via a dummy payment gateway
11. **Confirmation Page:** On completion of the payment, they are shown a confirmation page with the details of the booking.
12. **Environments used:** Eclipse, PhpMyAdmin, Maven, Apache Tomcat, Jira for Agile management, Git, GitHub, Draw.io for application flowchart
13. **Languages used:** Java 8, MySQL, JavaScript, AngularJS, etc.
14. **Java Concepts used:** Java Servlets, JDBC, JSP, Hibernate, log4j for debugging, Maven, Exception handling, Collections, OOPS concepts like Abstraction-Encapsulation-Inheritance-Polymorphism, Binary search, Collections sorting, etc.
15. **Stakeholders:**

Site is open for the public. We have an admin page where our staff can login and change the preferences like ability to change admin password.

1. **Administration:**

We will be collecting the master list of places for source & destination and airline flights. And then our development team will develop the website and hook the backend data to the site

1. **Hosting:**

The website will be deployed on Apache Tomcat and apply all the security certifications like SSL. It will be a secured URL (https://) to browse.

1. **Statistics:**

We will be implementing ‘Google Analytics’ to get the statistics of the website like number of users browsing, from which country, which browser, number of search clicks, number checkout clicks, etc.