Flamingo Airways is new aviation company which offers domestic flight services across India. You have been assigned the task of creating a website to manage their online booking system.

**Proposed System**

* You have to create a website for the company which includes complete details about the company and the services offered.
* Customers can search for the availability of the flight by providing Origin, Destination and date of travel. As of now Flamingo provides only economy class service to their customers.
* Search result should be displayed to the customers along with the price and the number of available seats.
* Booking option should be provided along with the search result.
* Booking can be done by only registered users so login option should be provided for customers before booking the tickets
* Flamingo offers credit card facility and debit card facility for the customers to complete the payment
* Credit card number and debit card number validations have to completed properly before proceeding booking.(To accomplish this task you can create a table with some fictitious Bank details or you can use any online web services to validate the details ).
* Once the booking is successful customer will get a ticket.Tthey can take a print out of the same which includes the itinerary details along with the PNR number.
* Website should provide an option to the customers to see their bookings and there should be option for them to cancel the tickets.
* Cancelling the tickets include some company rules so complete amount won’t be refunded back to their corresponding account.
* Details about the cancellation should be displayed to the user.
* Administrator of the website should able to add new flight details along with the total seats and other details required for the booking like cost, origin and destination etc.
* Administrator should also have the option to edit and cancel the flight details.
* Administrator should have option generate reports of the itinerary

**Design Implemenations:**

* Use of Master pages to implement easy navigation and uniqueness to the pages
* AJAX needs to implement in order to avoid complete post back of the pages.
* In order to increase the end user experience Angular has to be used for designing the pages
* Users must be able to go to any screen with minimum mouse-clicks.

**General instructions:**

* 3 tier Architecture Model
* Microsoft coding standards
* Database should be normalized
* Use of SP for all database operations
* Appropriate security measures needs to implement.