Air-ticket Reservation System

"Customer Registration" Module

Functional Specification Document

1.0 DOCUMENT PURPOSE

This document illustrates the functional specification of the **Air-ticket Reservation System** (ARS) application. ARS a system which is used to book ticket for flight. The following are the few important modules in the system

a) Customer Registration

b) Searching

c) Booking

d) Edit Profile

e) Cancellation

This document details out the requirements for REGISTER-ing a profile. The details for the other modules will be given in the respective module's functional specification.

2.0 Register Customer use case

This use case will be used by the customers to get registered in the system.

2.1.1   Customer Registration use case details

Trigger: Candidate triggers the functionality once he/she submits the details into the system

Pre-Conditions / Assumptions:
* The registration screen should display SSN types in a drop-down list preloaded from the database.

Post Conditions:
* On successful registration success page should appear with success message "Registration is successful".

Success End Condition: Display the success screen with success message.

Failed End Condition: The system should throw an error message if any one or more of the validations fail. The error messages and error codes need to be identified during design. The validation and business rules are mentioned in the business rules section.

Steps & Actions:
1. System should display "Register new user option."
2. Once user clicks on the "Register New User" System should display all the necessary fields in the screen.
3. System need to populate the SSN Type drop down list.
4. All the necessary validation should be done.
5. System needs to generate the search id and store the user details.
6. Identity the SSN_MASTER table storing the SSN types supported by the ARS system.

Table: SSN_MASTER

SSN_TYPE
PAN CARD
VOTER-ID CARD
DRIVING LICENCE
PASSPORT

Business Rules & Validations:

- All fields are mandatory
- Name should not contain special characters, numbers
- Password must have atleast one special character.
- Email Id that is registered once could not be used again for registration with another customer.
- SSN number should be unique in the system. If the same SSN Number exists system should show message like "User already exists in the system."

3.0 Registration Screen:

This should capture the following fields

- Name   - Textbox
- Email   - Textbox
- Password   - Textbox
- DOB   - Textbox
- Address   - Textarea
- Phone   - Textbox
- Male   - Radio Button
- Female   - Radio Button
- SSN Type   - Dropdown box with values populated from the database
- SSN Number - Textbox
- Register   - Submit Button
- Clear   - Reset Button