

# TESTING DOCUMENTATION

## Project Background:

The project aims to manage and enable web check-in services pertaining to air-travel to its customers. They can use this service to select preferred seats and the system will generate a Boarding Pass corresponding to their travel details at their own convenience.

## Purpose of document:

The purpose of this test document is to provide details about the different use case scenarios experienced and how different testing processes and test cases are utilized.

## Features to be Tested:

1. Redirection from Landing page
2. Login Module
  - Credentials
  - OTP
3. Sign-up Module
  - Form validation
  - OTP validation
4. Profile Management
5. Web Check-In
6. Upcoming journeys
7. Boarding Pass verification

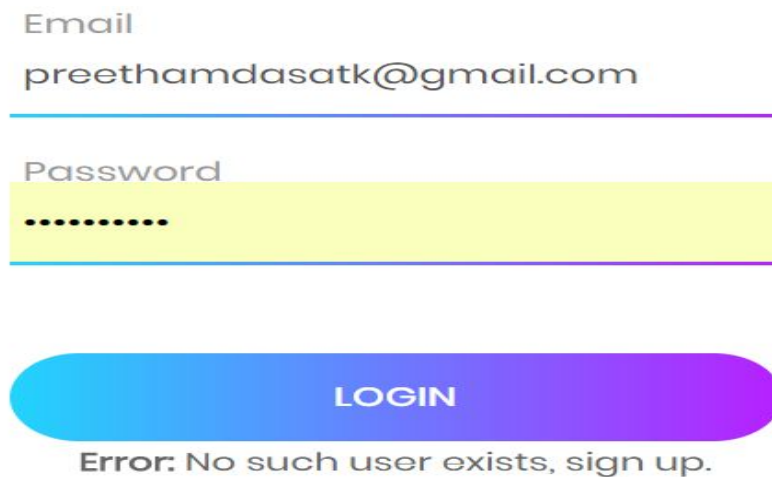
## Observation:

## 1) Redirection from Landing page

- The front page has two primary clickable options. They are “Login” and “Sign-up”. The user is redirected to the respected portal on clicking the options.

## 2) Login module

- There are two fields to evaluate credentials; “Email” and “Password”. The system throws an error message saying “Invalid Credentials” if the respective Email and Password are not related to each other.
- The system prompts the user to “Sign up” if a non-existing Email ID is entered.



Email  
preethamdask@gmail.com

Password  
.....

LOGIN

Error: No such user exists, sign up.

- After entering the correct credentials, the user is prompted to enter his/her OTP which is sent to their registered mobile number.
- The system will throw an error message saying “Invalid OTP” if the wrong OTP is entered.

**We've sent a  
verification code  
to your mobile  
number**

OTP

1112|



LOGIN

Resend OTPError: Invalid OTP

- On entering the correct OTP, user is redirected to his/her dashboard.

### 3) Sign-Up Module

- The Sign-Up portal has 5 fields.
- Name, Phone number, Email, Password, Confirm-Password. Each of these fields are validated for proper data collection inside the database and verification.
- If an existing user tries to sign up it will throw an error

## Sign Up

Error: Email already exists! Try logging in instead

- if the user enters a different password in the repeat password field, it will throw an error message


# Sign Up

Error: Passwords do not match!

- On entering all the details correctly, the user will be redirected to the Dashboard


## 4) Dashboard

# WELCOME, SOURAV!




### Profile

View, edit and manage your personal profile for quick services from our end.




### Web Check-In

Passengers can now select their preferred seats and obtain their boarding passes anytime after booking their tickets, right at their fingertips. No more standing in queues at the airport!



### Upcoming journeys

Stay organized by managing and viewing all of your upcoming journeys with Kings Landing.



### Fly regal

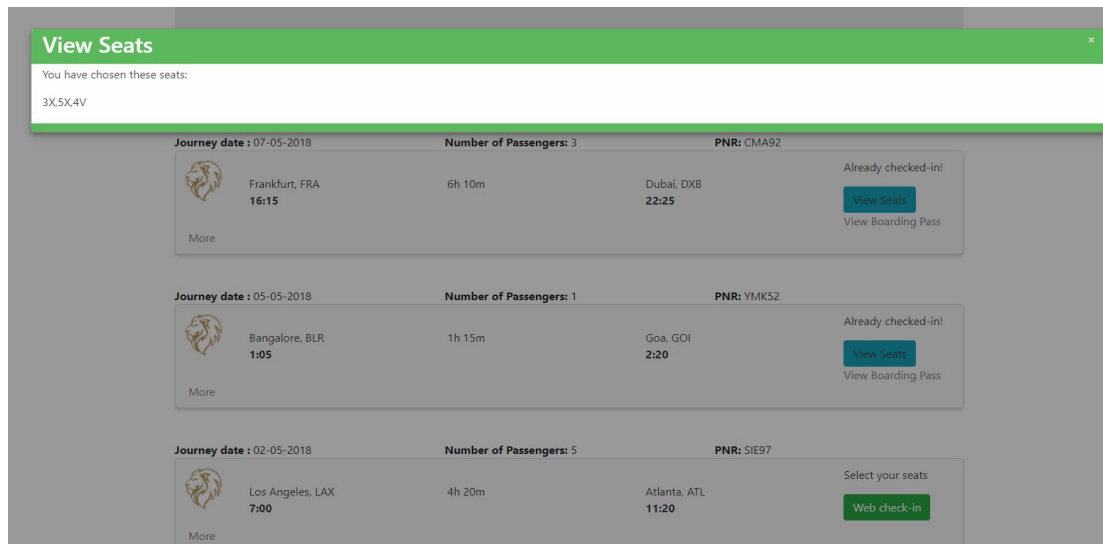
With our brand new fleet of Airbus A380s, enjoy first class in-air service from Kings Landing's award winning in-flight hosting.

## 4)Profile Management

- User is able to enter and modify his personal info under the “Profile” tab. The modified information is now stored in the database.
- If the user updates his phone number, an OTP is sent to the new number for proper verification.

## 6)Upcoming Journeys

- Under this tab, the user is able to view all of the upcoming journeys with detailed information.
- The user is able to do web check in for his upcoming journey and/ or view his seats for previously checked in journeys.
- The user will be able to view all the detailed information about his flight and can also view the previously generated boarding passes.



## 5)Web Check-In

- Under the Web Check-in tab, user can enter his PNR number and proceed to the seat selection part.
  - If non-existent PNR is entered, the system will throw an error message

# Web Check-In

You can now select your preferred seats anytime after booking your flight, by checking in below.

Enter your PNR

Check-in!

Not a valid PNR!

- The User is redirected to the upcoming journeys page if he/she wishes to know the PNR.
- On entering a valid PNR, user is redirected to the seat selection portal where he/she is able to select a seat of their choice according to their preferences.

**PNR :** SIE97

From **Los Angeles** to **Atlanta** on **02-05-2018**

**Flight Number:** KL303 **Seat Type:** Economy

**Passengers:**  
Sydney Taylor  
Linda Delgado  
Dawn Castillo  
Brittany Yoder  
Sara Chandler

Front

1A	1B	1C	1D	1E	1F
2A	2B	2C	2D	2E	2F
3A	3B	3C	3D	3E	3F
4A	4B	4C	4D	4E	4F
5A	5B	5C	5D	5E	5F
6A	6B	6C	6D	6E	6F
7A	7B	7C	7D	7E	7F
8A	8B	8C	8D	8E	8F
9A	9B	9C	9D	9E	9F

**Booking Details**

**Selected Seats (0):**

Total: **Rs.0**

[Checkout »](#)

- Extra Legroom - Rs 200
- Standard - no extra cost
- Convenient seats - Rs100
- Already Booked

- The user is denied access to the seats that are already booked
- In the event of two or more users trying to book the same seat, the seat(resource) is locked for the user who accessed it first and the seat is reserved for that particular user. This is made possible as the system follows resource locking mechanism in the backend(database).
- The user has to select appropriate no. of seats with respect to the number of passengers. If not, the system prompts the user to do so.

From 127.0.0.1:5000

Warning. You have not selected enough seats.

[OK](#)

- The user has to pay extra money if his/her choice of seats requires them to do so. (i.e) Some seats have extra leg-room and are more convenient than the other seats.

1D

1E

1F

2D

2E

2F

3D

3E

3F

4D

4E

4F

5D

5E

5F

6D

6E

6F

### Booking Details

**Selected Seats (5):**

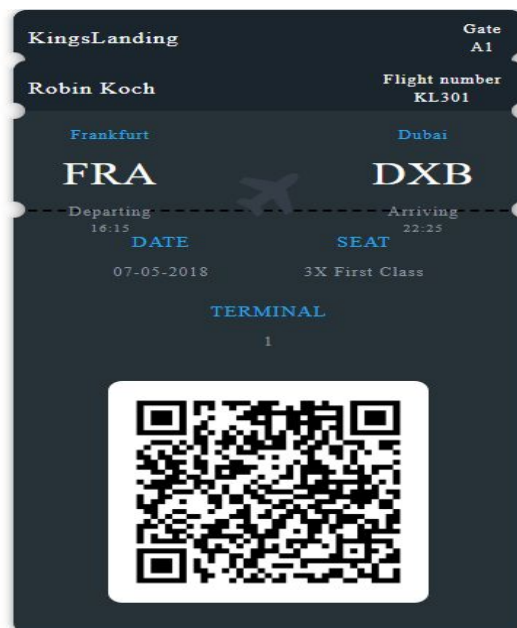
Legroom Seat # 2E: \$200 [cancel]

Economy - 3D: \$100 [cancel]

**Total: Rs.700**

[Checkout »](#)

- The user has to pay extra money if their selection of seat requires them to do so. In such cases, the user is redirected to a payment portal where they do the payment process.
- If the seat selection does not require extra money or if the payment process is completed, the appropriate boarding passes containing all the information is generated.
- The boarding passes can be saved and printed as they are in PDF format.



## 7)Boarding Pass verification

- The boarding passes have a unique QR code embedded on them containing the credentials required for verification on the company side at the terminal.
- The boarding passes are scanned using a QR code scanner and if the user is at the right terminal at the appropriate time, the system will show “allowed”. If not the system will show “not allowed”.