

# System Design Specification For Domestic Flight Booking System Case Study

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### 1: Introduction

**Domestic Flight Booking System** is an all-in-one solution for airline flight scheduling and customer flight ticket booking.

There are three different types of users (Admin, Airlines, Customer) each with different functionality. For the airlines, it is easy for them to schedule their flight, and for the passenger, it is easy for them to book flight tickets from their comfort place.

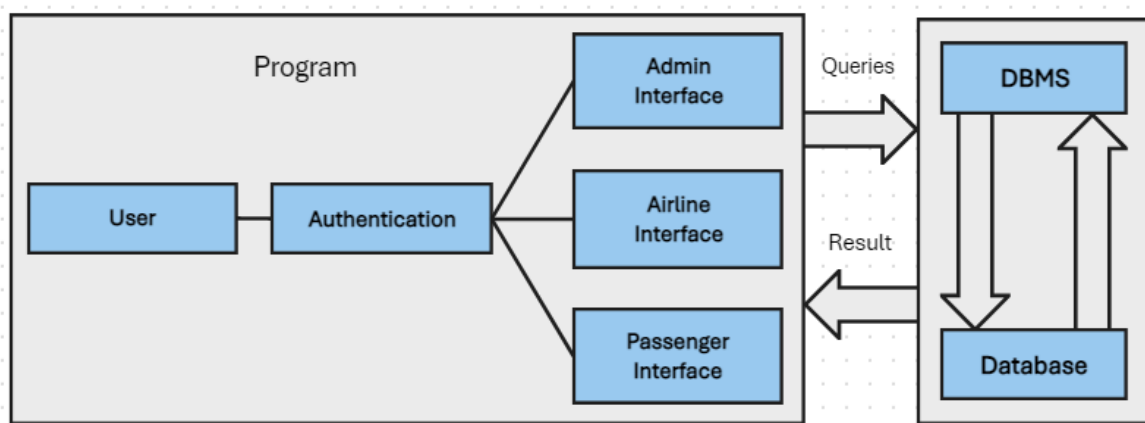


Fig 1.1: Layout of the system

## 2: System Overview

### 2.1: Architecture

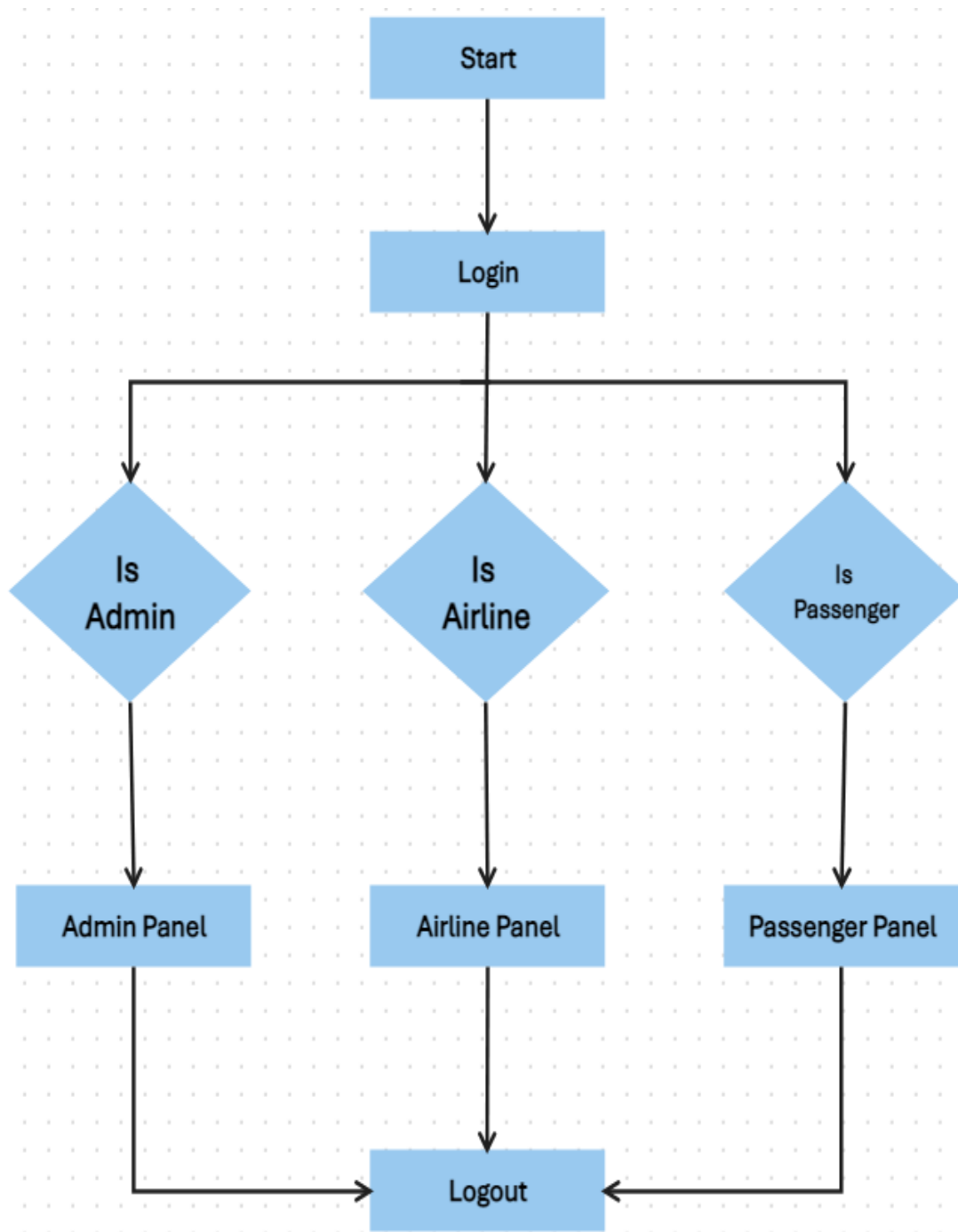
This system will be the best solution for Admin, Airlines, and Passenger to handle flight scheduling, booking, and other facilities. The system will reduce the loss of time and will give quick access.

In this system, there will be only one admin. The system will allow the user to log in to the system according to their role.

The system contains an application program and a database system. The application program is a bridge between the user and the database. The database system consists of a large storage unit and a system to act on that data.

The program performs the basic operations on the database as retrieving, inserting, updating, and deleting data. The goal of **ARIANO** is to handle the scheduling of flights and booking of flights fairly and accurately so that the operations of airlines run smoothly while passengers also get the benefit of booking flight tickets from their comfort zone.

## 2.2: Flow Chart



## 3: Development Tools

### 3.1: Front End Technology

**RPG:** RPG is a modern proprietary high-level programming language (HLL) for business applications, popular on the IBM i operating system on IBM Power Systems hardware. The current version, RPG IV, a.k.a. ILE RPG, provides a modern programming environment. IBM has evolved the language, providing new capabilities, to take advantage of technologies that have grown up in the marketplace.

### 3.2: Back End Technology

**DB2:** DB2 is an organized collection of data. DB2 exploits the file system, it uses different kinds of tablespaces to extract the data as fast as it can from the physical device.

The language that you use to access the data in Db2 tables is the structured query language (SQL). SQL is a standardized language for defining and manipulating data in a relational database.

## 4: Data Dictionary

A data dictionary is a collection of descriptions of the data objects or items in a data model for the benefit of programmers and others who need to refer to them. The dictionary gives a brief description of the objects that will be needed to form the online employee management system.

PF Structure:

### 4.1: CONTROLTBL – Control Table

S.No.	Fields	Type	Size	Description
1.	keyField1	Varchar	10	Key Field 1
2.	keyField2	Varchar	10	Key Field 2
3.	Value	Varchar	10	Value for Key Field
4.	Description	Varchar	15	Description of value

#### 4.2: LOGINPF – PF having details of users.

S.No.	Fields	Type	Size	Description
1.	userId	Varchar	5	Primary Key
2.	userPass	Varchar	20	Password for User
3.	userRole	Varchar	10	Role of the user
4.	lastLogin	Date	-	Last Login Date
5.	userQstn	Varchar	30	Security Question
6.	userAnswr	Varchar	30	Answer to security question
7.	status	Varchar	1	A – Active I – Inactive R – Deactivation D - Activation
8.	Remark	Varchar	15	Remark for status

#### 4.3: AIRMASTER – PF storing details of Airlines.

S.No.	Fields	Type	Size	Description
1.	airId	Varchar	5	Primary Key For Airmaster
2.	airName	Varchar	20	Name of airline
3.	airMobNum	Varchar	10	Helpline Number of Airline
4.	airEmail	Varchar	50	Email of airline
5.	airCity	Varchar	20	Airline headquarter city
6.	airPinCode	Numeric	6,0	Pincode of city

7.	airState	Varchar	20	Airline headquarter State
8.	airAddress	Varchar	100	Full address of the airline
9.	airFleet	Int	5,0	Fleet size of airline
10.	airEstDate	Date	-	Date of establishment (YYYYMMDD)
11.	airRating	Decimal	1,2	Avg rating of airline
12.	airStatus	Varchar	1	A – Active I – Inactive R – Request For Deactivation D – Request For Activation
13.	airRemark	Varchar	15	Remark of Status

#### 4.4: USERMASTER – PF storing details of Users.

S.No.	Fields	Type	Size	Description
1.	usrId	Varchar	5	Primary Key for Usrmaster
2.	usrName	Varchar	20	Name of user
3.	usrDOB	Date	-	Date of birth(YYYYMMDD)
4.	usrGender	Varchar	1	User Gender M – Male F – Female O – Other
5.	usrMobNum	Varchar	10	Mobile Number of user
6.	usrEmail	Varchar	50	Email of user
7.	usrCity	Varchar	20	City of user

8.	usrPinCode	Numeric	6,0	Pincode of city
9.	usrState	Varchar	20	State of user
10.	usrAddress	Varchar	100	Full address of the user
11.	usrAadhar	Numeric	12,0	Aadhar Number of user
12.	usrStatus	Varchar	1	A – Active I - Inactive
13.	usrRemark	Varchar	15	Remark of status

#### 4.5: PSNGRPF – PF storing details of passengers

S.No.	Fields	Type	Size	Description
1.	psgId	Varchar	5	Primary Key For Psngrpf
2.	usrId	Varchar	5	Foreign Key
3.	psgName	Varchar	20	Name of passenger
4.	psgGender	Varchar	1	Gender of passenger
5.	psgAge	Numeric	2	Age Of Passenger
6.	psgRltn	Varchar	10	Relation of passenger with user

#### 4.6: FLIGHTPF – PF storing details of Flights

S.No.	Fields	Type	Size	Description
1.	fltId	Varchar	5	Primary Key For Flightpf

2.	airId	Varchar	5	Foreign Key
3.	fltRange	Numeric	5,0	Total distance aircraft can cover
4.	fltFuelCap	Numeric	6,0	Total fuel capacity of aircraft
5.	airModel	Varchar	5	Model of aircraft
6.	fltTotSeat	Numeric	3,0	Total Seats in flight
7.	fltOrigin	Varchar	20	Flight Origin City
8.	fltDest	Varchar	20	Flight Destination City
9.	fltTkPrice	Numeric	5	Ticket Price of flight
10.	fltArrTime	Time	-	Arrival Time of Flight(HHMMSS)
11.	fltDepTime	Time	-	Departure Time of flight(HHMMSS)
12.	fltEndTime	Time	-	End Time of Flight(HHMMSS)
13.	fltTotDur	Time	-	Total Duration of flight
14.	fltCabBag	Numeric	1,0	Allowed Weight of cabin bag
15.	fltMainBag	Numeric	2,0	Allowed Weight of Main Luggage
16.	fltStatus	Varchar	1	A – Active I - Inactive
17.	fltRemark	Varchar	15	Remark of status



#### 4.7: BOOKINGPF – PF storing details of Bookings.

S.No.	Fields	Type	Size	Description
1.	bkId	Varchar	5	Primary Key for Bookingpf
2.	usrId	Varchar	5	Foreign Key
3.	fltId	Varchar	5	Foreign Key
4.	bkDate	Date	-	Booking Date(YYYYMMDD)
5.	bkDepDate	Date	-	Departure Date(YYYYMMDD)
6.	bkStatus	Varchar	1	U – Upcoming C – Cancelled P – Completed(Processed) R – Request for cancellation W – Cancelled with refund
7.	bkRemark	Varchar	15	Remark of status

#### 4.8: TICKETPF – PF storing details of Tickets.

S.No.	Fields	Type	Size	Description
1.	tkId	Varchar	5	Primary Key For TicketPf
2.	bkId	Varchar	5	Foreign Key – Booking Id
3.	psgId	Varchar	5	Foreign Key – Passenger Id
4.	TktSeatNum	Numeric	3,0	Seat number
5.	tkStatus	Varchar	1	U – Upcoming C – Cancelled P – Completed(Processed) R – Request for cancellation W – Cancelled with refund

6.	tkRemark	Varchar	15	Remark of status
----	----------	---------	----	------------------

#### 4.9: RATINGPF – PF storing details of Rating of flights.

S.No.	Fields	Type	Size	Description
1.	usrId	Varchar	5	Foreign Key – Customer Id
2.	fltId	Varchar	5	Foreign Key – Flight Id
3.	Rating	Numeric	1	Rating out of 5
4.	Feedback	Varchar	50	Rating Text

#### 4.10: GRIEVPF – PF storing details of Complaints of flights.

S.No.	Fields	Type	Size	Description
1.	grvId	Varchar	5	Primary Key – Grievance Id
2.	usrId	Varchar	5	Foreign Key – Customer Id
3.	fltId	Varchar	5	Foreign Key – Flight Id
4.	Complaint	Varchar	100	Complaint Given by CUsomer
5.	Response	Varchar	100	The response given by the admin.
6.	Status	Varchar	1	P – Pending R - Resolved

## 5: Screen Designs

### 5.1 Login Module

#### 5.1.1: Login Screen

	12345678901234567890123456789012345678901234567890123456789012345678901234567890
1	Domestic Flight Booking System
2	ARIANO
3	DATE: YYYY/MM/DD
4	TIME: HH.MM.SS
5	----- Sign On -----
6	
7	User. . . . .: _____
8	
9	Password. . . . .: _____
10	
11	
12	
13	
14	*****
15	IBM I 7.4
16	*****
17	
18	
19	
20	
21	
22	
23	F3=Exit F5=Refresh F6=New Customer Registration F7=Forgot Password
24	

#### Functions and Validations:

1. If the userId and password match in loginpf then according to the role user will get logged in.
2. The password will be hidden
3. The user can press F3 to exit, F5 to refresh the screen F6 for new customer registration, and F7 for forgot password

## 5.1.2: New Customer Registration

	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
1	Domestic Flight Booking System
2	ARIANO
3	DATE:YYYY/MM/DD
4	TIME: HH.MM.SS
5	----- New Customer Registration -----
6	User Id.: P0001
7	Name. . : _____ DOB. . : ____/____/____ (YYYY/MM/DD)
8	
9	Mobile. : _____ Aadhar.: _____
10	
11	Email. . : _____ Gender.: _ (F4)
12	
13	City. . : _____ Pincode: _____
14	
15	State. . : _____ (F4)
16	
17	Address.: _____
18	
19	
20	
21	
22	
23	F3=Exit F4=Prompt F5=Refresh F6=Register F12=Cancel
24	

### Functions and Validations:

1. ID will be auto-generated
2. Name and city will not have numeric or special characters
3. DOB should be valid and should not be a future date.
4. Gender and State will be selected by Prompt
5. Mobile numbers should not start with zero, must contain 10 digits, and should only contain numeric values.
6. Aadhar should only contain numeric values and must contain 12 digits.
7. Password should be of minimum 8 characters and must contain a special char, one uppercase letter, one lowercase letter, and one digit.
8. Email should contain only one @ symbol and one domain name and should only start with the alphabet.
9. Status of newly registered passengers will always be active.
10. F3 to exit, F4 for prompt, F5 for refresh, F6 to register and F12 to cancel.

## 5.1.3: Forgot Password

	12345678901234567890123456789012345678901234567890123456789012345678901234567890
1	Domestic Flight Booking System
2	ARIANO
3	DATE: YYYY/MM/DD
4	TIME: HH.MM.SS
5	----- Forgot Password -----
6	
7	Login Id. . . . . : U0001
8	
9	Security Question. . . . : First School?
10	
11	Security Answer. . . . . : <u>Birla School</u>
12	
13	New Password. . . . . : <u>*****</u>
14	
15	Confirm Password. . . . . : <u>*****</u>
16	
17	
18	
19	
20	
21	
22	
23	F3=Exit F5=Refresh F6=Change Password F12=Cancel
24	

### Functions and Validation:-

1. The user will enter their login ID here and then if the login id is found in the database then the security question will be visible and user have to input their correct answer after that user can change their password.
2. Pressing F3 will exit from the program, F5 will reset the screen, F6 will change password and F12 will cancel this process.

## 5.2 Admin Module

### 5.2.1: Admin Dashboard

	1234567890123456789012345678901234567890123456789012345678901234567890
1	User: Admin Domestic Flight Booking System Date: YYYY/MM/DD
2	ARIANO Time: HH/MM/SS
3	----- Admin Dashboard -----
4	
5	
6	
7	
8	Type Choice, Press Enter
9	
10	1. Manage Airlines
11	2. Manage Customers
12	3. View Bookings
13	4. View Flights
14	5. Manage Complaints
15	6. Control File Setup
16	7. Change Password
17	
18	
19	Enter Choice: __
20	
21	
22	
23	F3=Exit F5=Refresh F12=Logout
24	

#### Functionalities and Validations: -

1. Admin will enter choices as 1,2,3,4,5,6, and 7 to go to the next screen and if hit other than this then an error will be given.
2. F3 to exit, F5 for refresh and F12 for Logout.



## 5.2.2.1: New airline registration

	1234567890123456789012345678901234567890123456789012345678901234567890		
1	User: Admin	Domestic Flight Booking System	Date: YYYY/MM/DD
2		ARIANO	Time: HH/MM/SS
3	----- Register New Airline -----		
4			
5	<b>Airline Id:</b> A0001		
6			
7	<b>Name. . . :</b> _____	<b>DOE. . . :</b> ____/____/____ (YYYY/MM/DD)	
8			
9	<b>Country. . :</b> _____ (F4)	<b>City. . :</b> _____	
10			
11	<b>Pincode. . :</b> _____	<b>State. . :</b> _____ (F4)	
12			
13	<b>Address. . :</b> _____		
14	_____		
15			
16	<b>Fleet Size:</b> _____	<b>Helpline. . :</b> _____	
17			
18	<b>Email. . . :</b> _____		
19			
20			
21			
22			
23	F3=Exit F4=Prompt F5=Refresh F6=Register F12=Cancel		
24			

### Functionality and Validation: -

1. ID will be auto-generated and non-editable.
2. Name, County, and city are mandatory and take only the alphabet.
3. Fleet Size, Pincode, and Mobile Number are mandatory and take only numeric. Also mobile must have 10 digits and the pin code must have 6 digits.
4. The date of establishment should be valid and not a future date.
5. Email should be valid. The email should start with the alphabet and contain only one '@' and one domain name after @.
6. The status of newly registered airlines will always be active.
7. Pressing F6 will register the airline if the data passes all the validations.
8. Pressing F5 will clear the screen and pressing F12 will cancel the registration.



## 5.2.2.2: Update Airline Details

	1234567890123456789012345678901234567890123456789012345678901234567890		
1	User: Admin	Domestic Flight Booking System	Date: YYYY/MM/DD
2		ARIANO	Time: HH/MM/SS
3	----- Update Airline Details -----		
4			
5	<b>Airline Id:</b> A0001		
6			
7	<b>Name. . . :</b> <u>Air India</u>	<b>DOE. . . :</b> <u>1932/10/15</u> (YYYY/MM/DD)	
8			
9	<b>Country. . :</b> <u>India</u> (F4)	<b>City. . :</b> <u>Gurugram</u>	
10			
11	<b>Pincode. . :</b> <u>122001</u>	<b>State. . :</b> <u>Haryana</u> (F4)	
12			
13	<b>Address. . :</b> <u>Air India Park, Gurugram, Haryana, India, 122001</u>		
14			
15			
16	<b>Fleet Size:</b> <u>300</u>	<b>Helpline.:</b> <u>9485732758</u>	
17			
18	<b>Email. . . :</b> <u>help@airindia.com</u>		
19			
20	<b>Status. . . :</b> <u>Active</u> (F4)		
21			
22			
23	F3=Exit F4=Prompt F5=Refresh F6=Update F12=Cancel		
24			

### Functionality and Validation: -

1. Admin can change the details of the airline except airline id.
2. Name, County, and city are mandatory and take only the alphabet.
3. Fleet Size, Pincode, and Mobile Number are mandatory and take only numeric. Also mobile must have 10 digits and the pin code must have 6 digits.
4. The date of establishment should be valid and not a future date.
5. Email should be valid. The email should start with the alphabet and contain only one '@' and one domain name after @.
6. Pressing F6 will update airline details if data passes validation.
7. Pressing F12 will cancel the update.

### 5.2.2.3: Display Airline Details

	1234567890123456789012345678901234567890123456789012345678901234567890		
1	User: Admin	Domestic Flight Booking System	Date: YYYY/MM/DD
2		ARIANO	Time: HH/MM/SS
3	----- Display Airline Details -----		
4			
5	<b>Airline Id:</b> A0001		
6			
7	<b>Name. . . :</b> Air India	<b>DOE. . . :</b> 1932/10/15	
8			
9	<b>Country. . :</b> India	<b>City. . :</b> Gurugram	
10			
11	<b>Pincode. . :</b> 122001	<b>State. . :</b> Haryana	
12			
13	<b>Address. . :</b> Air India Park, Gurugram, Haryana, India, 122001		
14			
15	<b>Fleet Size:</b> 300	<b>Helpline.:</b> 9485732758	
16			
17	<b>Email. . . :</b> help@airindia.com		
18			
19	<b>Status. . . :</b> Active		
20			
21			
22			
23	F3=Exit F12=Cancel		
24			

#### Functionality and Validation: -

1. Admin can view detailed information on airlines.
2. All the fields here are non-editable.
3. Pressing F12 will take the admin out of this screen.

### 5.2.3: Manage Users

	1234567890123456789012345678901234567890123456789012345678901234567890					
1	User: Admin		Domestic Flight Booking System		Date: YYYY/MM/DD	
2			ARIANO		Time: HH/MM/SS	
3	----- Manage Users -----					
4						
5	Type Choice, Press Enter			Position To: _____		
6	2=Update   5=Display   6=View Bookings					
7						
8	<u>Opt</u>	<u>User Id</u>	<u>Name</u>	<u>Mobile</u>	<u>Gender</u>	<u>Status</u>
9						
10	—	U0001	Dheeraj Tanwar	8890599802	Male	Active
11	—	U0002	Hardik Pachory	4332453221	Male	Active
12	—	U0003	Devanshu Sharma	5442234434	Male	Active
13	—	U0004	Ayush Negi	1243234352	Male	Active
14	—	U0005	Alish Ali	8765546754	Female	Inactive
15	—	U0006	Nikhil Sankhla	7653565432	Male	Active
16	More					
17						
18						
19						
20						
21						
22						
23	F3=Exit   F4=Active/Inactive   F5=Refresh   F12=Cancel					
24						

#### Functionality and Validations: -

1. Admin can take choice 5 to display, and 6 to see bookings against the Opt field of any user to perform that particular operation.
2. Admin can press F5 to clear Opt Field and F12 to go back to the main admin dashboard.
3. Admin can press F4 to toggle between active or inactive passengers.
4. If the admin puts any other choice other than 5,6 then an error will be given with the field highlighted.

### 5.2.3.1: Update Customer Profile

	1234567890123456789012345678901234567890123456789012345678901234567890		
1	User: Admin	Domestic Flight Booking System	Date: YYYY/MM/DD
2		ARIANO	Time: HH:MM:SS
3	----- Update Customer Profile -----		
4	<b>User Id:</b> P0001		
5			
6	<b>Name. .:</b> <u>Dheeraj Kumar</u>	<b>DOB. . :</b> <u>1999/11/13</u>	(YYYY/MM/DD)
7			
8			
9	<b>Mobile. .:</b> <u>8890009802</u>	<b>Aadhar. .:</b> <u>123456782345</u>	
10			
11	<b>Email. :</b> <u>dheeraj.tanwar@gmail.com</u>	<b>Gender. .:</b> <u>Male</u> (F4)	
12			
13	<b>City. .:</b> <u>Sojat</u>	<b>Pincode:</b> <u>306104</u>	
14			
15	<b>State. :</b> <u>Rajasthan</u> (F4)		
16			
17	<b>Address:</b> <u>Satya Colony, Pan Chowk, Sojat, Rajasthan</u>		
18	<u>306104</u>		
19			
20			
21			
22			
23	F3 = Exit F4=Prompt F5 = Refresh F6 = Update F12 = Cancel		
24			

#### Functionality and Validation: -

1. Admin can update customer profile except for userid.
2. After changing details admin can press F6 to update the details
3. F3 to exit, F4 for prompt, F5 for Refresh, F12 = Cancel.

## 5.2.3.2: Display Detailed Information

	12345678901234567890123456789012345678901234567890123456789012345678901234567890
1	User: Admin Domestic Flight Booking System DATE: YYYY/MM/DD
2	ARIANO TIME: HH.MM.SS
3	----- Display Customer Details -----
4	
5	User Id: P0001
6	
7	Name. .: Dheeraj Kumar DOB. . : 1999/11/13
8	
9	Mobile.: 88000000002 Aadhar.: 123456782345
10	
11	Email. : dheeraj.tanwar@gmail.com Gender.: Male
12	
13	City. .: Sojat Pincode: 306104
14	
15	State. : Rajasthan Status.: Active
16	
17	Address: Satya Colony, Pan Chowk, Sojat, Rajasthan-306104
18	
19	
20	
21	
22	
23	F3=Exit F12=Cancel
24	

### Functionality and Validation: -

1. Admin can view detailed passenger information.
2. All the fields here are non-editable.
3. Pressing F12 will take the admin out of this screen.

## 5.2.3.3: View Bookings of Passenger

	12345678901234567890123456789012345678901234567890123456789012345678901234567890
1	User: Admin Domestic Flight Booking System DATE: YYYY/MM/DD
2	ARIANO TIME: HH.MM.SS
3	----- Bookings of User -----
4	
5	User Id. . . .: U0001
6	
7	User Name. . .: Dheeraj Tanwar
8	
9	
10	<u>Flight Id</u> <u>Airline</u> <u>Origin</u> <u>Destination</u> <u>Status</u>
11	
12	F0001      Air India      Jaipur      Chennai      Completed
13	F0007      Vistara      Jodhpur      Jaipur      Completed
14	F0020      Air India      Jaipur      Mumbai      Completed
15	F0045      Akasa      Bangalore      Goa      Completed
16	F0056      Emirates      Kerala      Chennai      Completed
17	F0060      Air India      Jaipur      Chennai      Upcoming
18	More
19	
20	
21	
22	
23	F3=Exit   F4=Completed/Upcoming/Cancelled   F12=Cancel
24	

### Functionality & Validation: -

1. Admin can view all the bookings done by a particular User.
2. Admin can press F4 to toggle between completed trips or upcoming trips.
3. Admin can press F12 to come back to the previous screen.

## 5.2.4: View Bookings

	1234567890123456789012345678901234567890123456789012345678901234567890
1	User: Admin Domestic Flight Booking System DATE: YYYY/MM/DD
2	ARIANO TIME: HH.MM.SS
3	----- View Bookings -----
4	
5	Type Choice, Press Enter Position To: _____
6	5 = Display
7	
8	
9	<u>Opt</u> <u>Booking Id</u> <u>Airline</u> <u>Origin</u> <u>Destination</u> <u>Travel Date</u> <u>Status</u>
10	
11	— B0001 Air India Jaipur Chennai 2024/05/04 Completed
12	— B0002 Air India Jaipur Chennai 2024/05/04 Completed
13	— B0003 Air India Jaipur Chennai 2024/05/04 Completed
14	— B0004 Air India Jaipur Chennai 2024/05/04 Completed
15	— B0005 Air India Jaipur Chennai 2024/05/04 Completed
16	
17	More
18	
19	
20	
21	
22	
23	F3=Exit F5=Refresh F4=Completed/Upcoming/Cancelled F12=Cancel
24	

### Functionality & Validation: -

1. Admin can take 5 for display to operate.
2. Admin can press F4 to toggle between Completed, Upcoming, and Cancelled trips.

## 5.2.4.1: View Detailed Bookings

	1234567890123456789012345678901234567890123456789012345678901234567890
1	User: Admin Domestic Flight Booking System DATE: YYYY/MM/DD
2	ARIANO TIME: HH.MM.SS
3	----- View Bookings -----
4	
5	Type Choice, Press Enter Position To: _____
6	5=Display
7	
8	Booking ID. . . : B0001 Origin. . . : Jaipur
9	
10	User Name. . . : Dheeraj Tanwar Destination: Chennai
11	
12	Travel Date. . : 2024/05/05
13	
14	
15	<u>Opt</u> <u>Ticket Id</u> <u>Passenger Id</u> <u>Passenger Name</u> <u>Status</u>
16	
17	— T0001 P0001 Dheeraj Tanwar Completed
18	— T0002 P0002 Hardik Pachory Completed
19	— T0003 P0003 Devanshu Sharma Completed
20	— T0004 P0004 Ayush Negi Completed
21	— T0005 P0005 Nikhil Sankhla Completed
22	More
23	F3=Exit F4=Completed/Upcoming/Cancelled F5=Refresh F12=Cancel
24	

### Functionality & Validation: -

1. Admin can take 5 for display to operate.
2. Admin can press F4 to toggle between Completed, Upcoming, and Cancelled trips.



#### 5.2.4.2: Display Booking Details

	1234567890123456789012345678901234567890123456789012345678901234567890		
1	User: Admin	Domestic Flight Booking System	Date: YYYY/MM/DD
2		ARIANO	Time: HH/MM/SS
3	----- Display Booking Details -----		
4			
5	Booking Id: B0001	Passenger Id: P0001	Flight Id: F0001
6			
7	Ticket ID. . . : T0001		
8			
9	Passenger Name: Dheeraj Tanwar	Airline Name. . : Air India	
10			
11	Origin. . . . : Jaipur	Destination. . : Chennai	
12			
13	Booking Date. : 2023/11/13	Departure Date.: 2023/11/20	
14			
15	Departure Time: 13:30:00	Seat Number. . :50	
16			
17	Ticket Price. : 1200	Status. . . . .: Completed	
18			
19			
20			
21			
22			
23	F3=Exit	F12=Cancel	
24			

#### Functionality and Validation: -

1. Admin can view detailed information on booking on this screen.
2. Admin can press F12 to come back to the previous screen.

### 5.2.5: View Flights

	1234567890123456789012345678901234567890123456789012345678901234567890
1	User: Admin Domestic Flight Booking System Date: YYYY/MM/DD
2	ARIANO Time: HH/MM/SS
3	----- View Flights -----
4	
5	Type Choice, Press Enter Position To: _____
6	2=Update 5=Display
7	
8	<u>Opt</u> <u>Flight Id</u> <u>Airline</u> <u>Origin</u> <u>Destination</u> <u>Status</u>
9	
10	— F0001 Air India Jaipur Chennai Active
11	— F0002 Vistara Chennai Jodhpur Active
12	— F0003 Emirates Mumbai Hyderabad Active
13	— F0004 Air India Delhi Mumbai Active
14	— F0005 Akasa Air Jodhpur Jaipur Inactive
15	— F0006 Spice Jet Jaipur Bangalore Active
16	More
17	
18	
19	
20	
21	
22	
23	F3=Exit F5=Refresh F4=Active/Inactive F12=Cancel
24	

#### Functionality and Validations: -

1. Admin can take option 5 for display.
2. Admin can press F4 to toggle between active and inactive flights.
3. Admin can press F5 to refresh the screen and F12 to come back to the previous Screen.

### 5.2.5.1: Update Flight

	1234567890123456789012345678901234567890123456789012345678901234567890		
1	User: Admin	Domestic Flight Booking System	Date: YYYY/MM/DD
2		ARIANO	Time: HH:MM:SS
3	----- Update Flight -----		
4			
5	Flight ID. . . : F0001		
6			
7	Origin. . . . : Jaipur (F4)	Destination. . : Chennai (F4)	
8			
9	Aircraft. . . : Airbus (F4)	Range. . . . . : 14000 Km	
10			
11	Fuel Cap. . . : 130000 Lt	Total Seat. . . : 300	
12			
13	Departure Date: 2024/05/30	Departure Time: 15:30:00	
14			
15	Ticket Price. : 1200 Rs		
16			
17			
18			
19			
20			
21			
22	F3=Exit F5=Refresh F6=Update Flight F11=Cancel Flight		
23	F12 = Cancel		
24			

### Functionality and Validation: -

1. The admin can update the information regarding the flight except the flight id.
2. The admin can confirm the updates by pressing F6.
3. The admin can press F5 to bring the field back to its original state.
4. The admin can press F11 to cancel the flight after mentioning reason on confirmation window.
5. The admin can press F12 to cancel the update.

Confirm Cancellation	
Mention Reason, Press Enter	
Press F12 to cancel the cancellation	
Reason. . . . :	_____
	_____

#### 5.2.5.2: Display flight details

	1234567890123456789012345678901234567890123456789012345678901234567890		
1	User: Admin	Domestic Flight Booking System	Date: YYYY/MM/DD
2		ARIANO	Time: HH/MM/SS
3	----- Display Flight Details -----		
4			
5	<b>Flight Id. . . . :</b>	F0001	<b>Airline Name. :</b> Air India
6			
7	<b>Origin. . . . . :</b>	Jaipur	<b>Destination. .:</b> Chennai
8			
9	<b>Aircraft. . . . . :</b>	Airbus A380	<b>Total Seats. .:</b> 500
10			
11	<b>Range. . . . . :</b>	14800 Km	<b>Fuel Capacity.:</b> 320000 Lt
12			
13	<b>Status. . . . . :</b>	Active	
14			
15			
16			
17			
18			
19			
20			
21			
22			
23	F3=Exit	F12=Cancel	
24			

### Functionality and Validations: -

1. Admin can press F3 to exit to the login screen.
2. Admin can press F12 to come back to the previous Screen.

—

### 5.2.6: Manage Complaints

	1234567890123456789012345678901234567890123456789012345678901234567890					
1	User: Admin		Domestic Flight Booking System		Date: YYYY/MM/DD	
2			ARIANO		Time: HH/MM/SS	
3	----- Manage Flight Complaint -----					
4						
5	Type Choice, Press Enter			Position To: _____		
6	2=Manage Complaint 5=Display					
7						
8	<u>Opt</u>	<u>Complaint Id</u>	<u>Flight ID</u>	<u>Airline</u>	<u>User Name</u>	<u>Status</u>
9						
10	—	C0001	F0001	Air India	Dheeraj Tanwar	Pending
11	—	C0002	F0004	Emirates	Dheeraj Tanwar	Pending
12	—	C0003	F0006	Ethiad	Dheeraj Tanwar	Pending
13	—	C0004	F0002	Akasa Air	Dheeraj Tanwar	Resolved
14	—	C0005	F0008	Spice Jet	Dheeraj Tanwar	Resolved
15	—	C0006	F0003	Air India	Dheeraj Tanwar	Resolved
16	More					
17						
18						
19						
20						
21						
22						
23	F3=Exit		F4=Pending/Resolved		F5=Refresh	
24					F12=Cancel	

#### Functionality and Validation: -

1. Here admin can take option 2 to manage and 5 to display complaints posted by passengers.
2. Pressing F12 will take admin back to the previous screen.

#### 5.2.6.1: Managing complaint

	1234567890123456789012345678901234567890123456789012345678901234567890		
1	User: Admin	Domestic Flight Booking System	Date: YYYY/MM/DD
2		ARIANO	Time: HH/MM/SS
3	----- Manage Complaint -----		
4			
5	Complaint ID. : C0001		
6			
7	User Name. . . : Dheeraj Tanwar		
8			
9	Flight ID. . . : F0001	Airline. . : Air India	
10			
11	Booking ID. . : B0001	Travel Date: 2024/05/20	
12			
13	Origin. . . . : Jaipur	Destination: Chennai	
14			
15	Complaint. . . : Bed smell in the flight cabin		
16			
17	Response. . . : <u>Action has been taken against complaint</u>		
18			
19	Status. . . . : <u>Pending</u> (F4)		
20			
21			
22			
23	F3=Exit    F6=Update    F12=Cancel		
24			

### Functionality and Validation: -

1. Here the admin can change the status of the complaint to Resolved when the complaint gets resolved.
2. Admin can press F6 to apply the changes and can press F12 to cancel.

### 5.2.6.2: Display complaint

	1234567890123456789012345678901234567890123456789012345678901234567890		
1	User: Admin	Domestic Flight Booking System	Date: YYYY/MM/DD
2		ARIANO	Time: HH/MM/SS
3	----- Display Complaint -----		
4			
5	Complaint ID. : C0001		
6			
7	User Name. . .: Dheeraj Tanwar		
8			
9	Flight ID. . .: F0001	Airline. . : Air India	
10			
11	Booking ID. . : B0001	Travel Date: 2024/05/20	
12			
13	Origin. . . . : Jaipur	Destination: Chennai	
14			
15	Complaint. . .: Bed smell in the flight cabin		
16			
17	Response. . . : Action has been taken against complaint		
18			
19	Status. . . . : Pending		
20			
21			
22			
23	F3=Exit F12=Cancel		
24			

### Functionality and Validation: -

1. Admin can only view detailed information of complaint. screen.
2. Admin can press F3 to back to login s
3. Pressing F12 to take admin to the previous screen.

### 5.2.7: Control File Setup

	1234567890123456789012345678901234567890123456789012345678901234567890				
1	User: Admin		Domestic Flight Booking System		Date: YYYY/MM/DD
2			ARIANO		Time: HH/MM/SS
3	----- Control File Setup -----				
4					
5	Type Choice, Press Enter			Position To: _____	
6	2=Update 4=Delete				
7					
8	<u>Opt</u>	<u>Key Field 1</u>	<u>Key Field 2</u>	<u>Value</u>	<u>Description</u>
9					
10	—	India	State	AP	Andhra Pradesh
11	—	India	State	ARR	Arunachal Pradesh
12	—	India	State	AS	Assam
13	—	India	State	BH	Bihar
14	—	India	State	CH	Chhattisgarh
15	—	India	State	GO	Goa
16					More
17					
18					
19					
20					
21					
22					
23	F3=Exit F5=Refresh F6=Add New Record F12=Cancel				
24					

#### Functionality and Validation: -

1. Here the admin can view the records of the control file.
2. Admin can update or delete any record by taking option 2 or 4 respectively.
3. Admin can press F6 to add a new record.



### 5.2.7.1: Add New Record

	1234567890123456789012345678901234567890123456789012345678901234567890		
1	User: Admin	Domestic Flight Booking System	Date: YYYY/MM/DD
2		ARIANO	Time: HH/MM/SS
3	----- Add New Record -----		
4			
5	Key Field 1 :	_____	Key Field 2 : _____
6			
7	Value. . . .:	_____	
8			
9	Description.:	_____	
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23	F3=Exit	F5=Refresh	F6=Add Record F12=Cancel
24			

#### Functionality and Validation: -

1. Here the admin can fill in the new record data and can press F6 to add the record.
2. Admin can press F5 to refresh the screen or F12 to cancel adding record.

### 5.2.7.2: Update Record

	1234567890123456789012345678901234567890123456789012345678901234567890		
1	User: Admin	Domestic Flight Booking System	Date: YYYY/MM/DD
2		ARIANO	Time: HH/MM/SS
3	----- Update Control File -----		
4			
5	Key Field 1.: <u>State</u>	Key Field 2.: _____	
6			
7	Value. . . .: <u>Rajasthan</u>		
8			
9	Description.: <u>State of India</u>		
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23	F3=Exit	F5=Refresh	F6=Update Record F12=Cancel
24			

### Functionality and Validation: -

1. Admin can update the details of the record and press F6 to update.
2. Admin can press F5 to reset the screen or F12 to cancel the update.

### 5.2.7.3: Control File Setup

	1234567890123456789012345678901234567890123456789012345678901234567890				
1	User: Admin		Domestic Flight Booking System		Date: YYYY/MM/DD
2			ARIANO		Time: HH/MM/SS
3	----- Delete Record -----				
4					
5	Press Enter to confirm the deletion.				
6	Press F12 to cancel the delete.				
7					
8	<u>Key Field 1</u>	<u>Key Field 2</u>	<u>Value</u>	<u>Description</u>	
9					
10	India	State	AP	Andhra Pradesh	
11	India	State	ARP	Arunachal Pradesh	
12	India	State	AS	Assam	
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

#### Functionality and Validation: -

1. Admin can press enter to delete the records or can press F12 to cancel the deletion.

### 5.3 Airline Module

### 5.3.1: Airline Dashboard

	1234567890123456789012345678901234567890123456789012345678901234567890
1	User: Air India      Domestic Flight Booking System      Date: YYYY/MM/DD
2	ARIANO      Time: HH:MM:SS
3	----- Airline Dashboard -----
4	
5	Type Choice, Press Enter
6	
7	1. Schedule Flights
8	2. View/Manage Flights
9	3. Manage Bookings
10	4. View/Update Profile
11	5. Change Password
12	
13	Enter Choice: _
14	
15	
16	
17	
18	
19	
20	
21	
22	F3=Exit   F5=Refresh   F12=Logout
23	
24	

### Functionalities and Validations: -

1. The airline will enter choice as 1,2,3,4 to go to the next screen and if hits other than this then an error will be given.
2. F5 for refresh and F12 for Logout

#### 5.3.1.1: View Profile

	123456789012345678901234567890123456789012345678901234567890		
1	User: Air India	Domestic Flight Booking System	Date: YYYY/MM/DD
2		ARIANO	Time: HH:MM:SS
3	----- View Profile -----		
4			
5	<b>Airline Id:</b> A0001		
6			
7	<b>Name.</b> . . : Air India	<b>DOE.</b> . . : 1932/10/15	
8			
9	<b>Country.</b> .. : India	<b>City.</b> . . : Gurugram	
10			
11	<b>Pincode.</b> .. : 122001	<b>State.</b> . . : Haryana	
12			
13	<b>Address.</b> .. : Air India Park, Gurugram, Haryana, India, 122001		
14			
15	<b>Fleet Size:</b> 300	<b>Helpline.:</b> 9485732758	
16			
17	<b>Email.</b> . . : help@airindia.com		
18			
19	<b>Status.</b> . . : Active		
20			
21			
22			
23	F3=Exit F6=Update F12=Cancel		
24			

### Functionality and Validation: -

1. Airline can view their profile here.
2. Pressing F6 will make fields editable and they can update the fields.
3. If they press F12 then they will go back to the previous screen.

## 5.3.1.2: Update Profile

	1234567890123456789012345678901234567890123456789012345678901234567890	
1	User: Air India Domestic Flight Booking System Date: YYYY/MM/DD	
2	ARIANO Time: HH:MM:SS	
3	----- Update Profile -----	
4		
5	Airline Id: A0001	
6		
7	Name. . . : Air India	DOE. . : 1932/10/15
8		
9	Country. . : India	City. . : Gurugram
10		
11	Pincode. . : 122001	State. : Haryana
12		
13	Address. . : Air India Park, Gurugram, Haryana, India, 122001	
14		
15		
16	Fleet Size: 300	Helpline.: 9485732758
17		
18	Email. . . : help@airindia.com	
19		
20		
21		
22		
23	F3=Exit F5=Refresh F6=Update F11=Deactivate Profile F12=Cancel	
24		

### Functionality and Validation: -

1. Id will be non-editable.
2. Name, Country, City, and State will only contain alphabets.
3. Pincode and helpline will only have numbers.
4. The date of establishment should be valid and not a future date.
5. If data passes all the validations and the user presses F6 then data gets updated.

Confirm Deactivation	
Mention the Reason and Press Enter.	
Press F12 to cancel the request.	
Reason. . . . .:	_____
	_____

### 5.3.2: Schedule Flight

	123456789012345678901234567890123456789012345678901234567890					
1	User:	Air India	Domestic Flight Booking System		Date:	YYYY/MM/DD
2			ARIANO		Time:	HH:MM:SS
3	----- Schedule Flight -----					
4						
5	Flight ID.	. . . :	F0001			
6						
7	Origin.	. . . . :	Jaipur	(F4)	Destination.	. . : Chennai
8						(F4)
9	Aircraft.	. . . :	Airbus A380	(F4)	Range.	. . . . . : 14000 Km
10						
11	Fuel Cap.	. . . :	130000	Lt	Total Seat.	. . : 300
12						
13	Departure Date:	2024/05/30		Departure Time:	15:30:00	
14						
15	Ticket Price.	: 1200	Rs			
16						
17						
18						
19						
20						
21						
22	F3 = Exit   F4 = Prompt   F5 = Refresh   F6 = Schedule Flight					
23	F12 = Cancel					
24						

### Functionality and Validation: -

1. The airline will fill in all the details and press F6 to schedule the flight.
2. If the airline presses F5 then all the fields will get cleared and if presses F12 then scheduling gets canceled.





### 5.3.3.1: Update Flight

	1234567890123456789012345678901234567890123456789012345678901234567890		
1	User: Air India Domestic Flight Booking System		Date: YYYY/MM/DD
2	ARIANO		Time: HH:MM:SS
3	Update Flight		
4			
5	Flight ID. . . : F0001		
6			
7	Origin. . . . : Jaipur (F4)	Destination. . : Chennai (F4)	
8			
9	Aircraft. . . : Airbus (F4)	Range. . . . . : 14000 Km	
10			
11	Fuel Cap. . . : 130000 Lt	Total Seat. . . : 300	
12			
13	Departure Date: 2024/05/30	Departure Time: 15:30:00	
14			
15	Ticket Price. : 1200 Rs		
16			
17			
18			
19			
20			
21			
22	F3=Exit F5=Refresh F6=Update Flight F11=Cancel Flight		
23	F12 = Cancel		
24			

### Functionality and Validation: -

6. The airline can update the information regarding the flight except the flight id.
7. The airline can confirm the updates by pressing F6.
8. The airline can press F5 to bring the field back to its original state.
9. The airline can press F11 to cancel the flight after mentioning reason on confirmation window.
10. The airline can press F12 to cancel the update.

Confirm Cancellation	
Mention Reason, Press Enter	
Press F12 to cancel the cancellation	
Reason. . . . :	_____
	_____

### 5.3.3.2: Display Flight

	1234567890123456789012345678901234567890123456789012345678901234567890
1	User: Air India      Domestic Flight Booking System      Date: YYYY/MM/DD
2	ARIANO      Time:    HH:MM:SS
3	----- Display Flight -----
4	
5	<b>Flight ID. . . :</b> F0001
6	
7	<b>Origin. . . . :</b> Jaipur <b>Destination. . :</b> Chennai
8	
9	<b>Aircraft. . . :</b> Airbus A380 <b>Range. . . . . :</b> 14000 Km
10	
11	<b>Fuel Cap. . . :</b> 130000 Lt <b>Total Seat. . :</b> 300
12	
13	<b>Departure Date:</b> 2024/05/30 <b>Departure Time:</b> 15:30:00
14	
15	<b>Ticket Price. :</b> 1200 Rs
16	
17	<b>Status. . . . :</b> Active
18	
19	
20	
21	
22	
23	F3 = Exit    F12 = Cancel
24	

#### Functionality and Validations: -

1. The airline can view detailed information about the scheduled flights.
2. The airline can press F12 to go back to the previous screen.

## 5.3.4: Manage Bookings:

	1234567890123456789012345678901234567890123456789012345678901234567890
1	User: Air India Domestic Flight Booking System DATE: YYYY/MM/DD
2	ARIANO TIME: HH.MM.SS
3	----- Manage Bookings -----
4	
5	Type Choice, Press Enter Position To: _____
6	5=Manage
7	
8	<u>Opt</u> <u>Booking Id</u> <u>Origin</u> <u>Destination</u> <u>Travel Date</u> <u>Status</u>
9	
10	— B0001 Jaipur Chennai 2024/01/01 Upcoming
11	— B0002 Jaipur Chennai 2024/01/01 Completed
12	— B0003 Jaipur Chennai 2024/01/01 Completed
13	— B0004 Jaipur Chennai 2024/01/01 Cancelled
14	— B0005 Jaipur Chennai 2024/01/01 Completed
15	
16	
17	More
18	
19	
20	
21	
22	
23	F3=Exit F4=Completed/Upcoming/Cancelled F5=Refresh F12=Cancel
24	

### Functionality and Validations: -

1. The airline can take option 5 to manage the booking.
2. The airline can press F4 to toggle between the completed, upcoming, and canceled bookings.

## 5.3.4.1: View Detailed Bookings

	1234567890123456789012345678901234567890123456789012345678901234567890
1	User: Air India Domestic Flight Booking System DATE: YYYY/MM/DD
2	ARIANO TIME: HH.MM.SS
3	----- View Tickets -----
4	
5	Type Choice, Press Enter Position To: _____
6	2 = Update 5 = Display
7	
8	Booking ID. . .: B0001 Origin. . .: Jaipur
9	
10	Passenger Name.: Dheeraj Tanwar Destination: Chennai
11	
12	Travel Date. . : 2024/01/01
13	
14	
15	<u>Opt</u> <u>Ticket Id</u> <u>Passenger Id</u> <u>Passenger Name</u> <u>Status</u>
16	
17	— T0001 P0001 Dheeraj Tanwar Completed
18	— T0002 P0002 Hardik Pachory Completed
19	— T0003 P0003 Devanshu Sharma Completed
20	— T0004 P0004 Ayush Negi Completed
21	— T0005 P0005 Nikhil Sankhla Completed
22	
23	F3=Exit F4=Completed/Upcoming/Cancelled F5=Refresh F12=Cancel
24	

### Functionality and Validation: -

1. The airline can take 2 to update and 5 to display the bookings.
2. The airline can only update the upcoming bookings.
3. The airline can press F4 to toggle between completed, upcoming, and canceled bookings.

### 5.3.4.2: Update Booking

	1234567890123456789012345678901234567890123456789012345678901234567890		
1	User: Air India Domestic Flight Booking System		Date: YYYY/MM/DD
2	ARIANO		Time: HH/MM/SS
3	----- Update Ticket Details -----		
4			
5	Booking Id: B0001	Passenger Id: <u>P0001</u>	Flight Id: F0001
6			
7	Ticket ID. . . : T0001	Passenger Name: <u>Dheeraj Tanwar</u>	
8			
9	Origin. . . . : <u>Jaipur</u> (F4)	Destination. . : <u>Chennai</u> (F4)	
10			
11	Booking Date. : 2023/11/13	Departure Date: <u>2023/11/20</u>	
12			
13	Departure Time: <u>13:30:00</u>	Seat Number. . : <u>50</u>	
14			
15	Ticket Price. : 1200 Rs		
16			
17	Status. . . . : <u>Upcoming</u> (F4)		
18			
19			
20			
21			
22			
23	F3=Exit F4=Prompt F5=Refresh F6=Update F12=Cancel		
24			

### Functionality and Validations: -

1. The airline can update the departure date and passenger name if the booking is upcoming.
2. Pressing F6 will confirm the update.

### 5.3.4.3: Display Booking

	123456789012345678901234567890123456789012345678901234567890					
1	User:	Air India	Domestic Flight Booking System	Date:	YYYY/MM/DD	
2			ARIANO	Time:	HH/MM/SS	
3	----- View Ticket Details -----					
4						
5	<b>Booking Id:</b>	B0001	<b>Passenger Id:</b>	P0001	<b>Flight Id:</b>	F0001
6						
7	<b>Ticket ID.</b>	. . . : T0001	<b>Passenger Name:</b>	Dheeraj Tanwar		
8						
9	<b>Origin.</b>	. . . . : Jaipur	<b>Destination.</b>	. . : Chennai		
10						
11	<b>Booking Date.</b>	: 2023/11/13	<b>Departure Date:</b>	2023/11/20		
12						
13	<b>Departure Time:</b>	13:30:00	<b>Seat Number.</b>	. . : 50		
14						
15	<b>Ticket Price.</b>	: 1200	<b>Status.</b>	. . . . : Upcoming		
16						
17						
18						
19						
20						
21						
22						
23	F3 = Exit	F12 = Cancel				
24						

### Functionality and Validation: -

1. The airline can only view the detailed booking information.

### 5.3.5: Change Password

	1234567890123456789012345678901234567890123456789012345678901234567890
1	User: Air India      Domestic Flight Booking System      Date: YYYY/MM/DD
2	ARIANO      Time: HH/MM/SS
3	----- Change Password -----
4	
5	
6	
7	
8	
9	Old Password. . . . : _____
10	
11	New Password. . . . : _____
12	
13	Confirm New Password: _____
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	F3=Exit    F5=Refresh    F6=Change Password    F12=Cancel
24	

### Functionality and Validation: -

1. The airline can press F4 to show or hide the password.
2. The airline will fill in a new password.
3. A new password should contain one special character, one uppercase letter, one small case letter, and one numeric digit.
4. If the password passes all the validation and the airline presses f6 then the password gets updated.

## 5.4 User Module

### 5.4.1: User Dashboard

	1234567890123456789012345678901234567890123456789012345678901234567890
1	User: Dheeraj Domestic Flight Booking System Date: YYYY/MM/DD
2	ARIANO Time: HH:MM:SS
3	----- User Dashboard -----
4	
5	Type Choice, Press Enter
6	
7	1. View/Update Profile
8	2. Search Flight
9	3. Manage Bookings
10	4. Change Password
11	
12	Enter Choice: _
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	F3=Exit F5=Refresh F11=Delete Profile F12=Logout
24	

#### Functionalities and Validations: -

1. The passenger will enter choice as 1,2,3,4 to go to the next screen and if hits other than this then an error will be given.
2. F5 for refresh and F12 for Logout

	Confirm Deletion
Mention Reason, Press Enter	
Press F12 to cancel the deletion	
Reason. . . . : _____	
_____	



## 5.4.1.1: View Profile

	1234567890123456789012345678901234567890123456789012345678901234567890
1	User: Dheeraj Domestic Flight Booking System Date: YYYY/MM/DD
2	ARIANO Time: HH:MM:SS
3	----- View Profile -----
4	
5	User Id: P0001
6	
7	Name. .: Dheeraj Tanwar DOB. . : 1999/11/13
8	
9	Mobile.: 8890599802 Aadhar.: 123456782345
10	
11	Email. : dheeraj.tanwar@gmail.com Gender.: Male
12	
13	City. .: Sojat Pincode: 306104
14	
15	State. : Rajasthan
16	
17	Address: Satya Colony, Panchpiro Ka Chowk, Sojat, Rajasthan
18	306104
19	
20	
21	
22	
23	F3=Exit F6=Update F12=Cancel
24	

### Functionality and Validation: -

1. User can view their profile here.
2. Pressing F6 will make fields editable.
3. The user can press F12 to go back to the previous screen.

#### 5.4.1.2: Update Profile

	1234567890123456789012345678901234567890123456789012345678901234567890		
1	User: Dheeraj	Domestic Flight Booking System	Date: YYYY/MM/DD
2		ARIANO	Time: HH:MM:SS
3	----- Update Profile -----		
4	<b>User Id:</b> P0001		
5			
6	<b>Name. .:</b> <u>Dheeraj Tanwar</u>	<b>DOB. . :</b> <u>1999/11/13</u>	
7		(YYYY/MM/DD)	
8			
9	<b>Mobile. .:</b> <u>8890599802</u>	<b>Aadhar. .:</b> <u>123456782345</u>	
10			
11	<b>Email. :</b> <u>dheeraj.tanwar@gmail.com</u>	<b>Gender. .:</b> <u>Male</u> (F4)	
12			
13	<b>City. .:</b> <u>Sojat</u>	<b>Pincode:</b> <u>306104</u>	
14			
15	<b>State. :</b> <u>Rajasthan</u> (F4)		
16			
17	<b>Address:</b> <u>Satya Colony, Panchpiro Ka Chowk, Sojat, Rajasthan</u>		
18	<u>306104</u>		
19			
20			
21			
22			
23	F3= Exit F4=Prompt F5=Refresh F6=Update F12=Cancel		
24			

#### Functionality and Validation: -

4. Passenger can change their details except ID and Aadhar.
5. After changing details passenger can press F6 to update the details
6. Passengers can press F12 to go back to the previous screen.

### 5.4.2: Search Flights

	1234567890123456789012345678901234567890123456789012345678901234567890
1	User: Dheeraj Domestic Flight Booking System Date: YYYY/MM/DD
2	ARIANO Time: HH:MM:SS
3	----- Search Flight -----
4	
5	Enter Details, Press Enter
6	
7	Origin. . . . .: _____ (F4)
8	
9	Destination. . : _____ (F4)
10	
11	Departure Date.: ____/____/____ (YYYY/MM/DD)
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	F3=Exit F4=Prompt F5=Refresh F12=Cancel
24	

#### Functionality and Validations: -

1. Passengers can fill required details and hit enter to search the flights.
2. Passengers can press F12 to go back to the previous screen.

### 5.4.2.1: Searched Flights

	1234567890123456789012345678901234567890123456789012345678901234567890
1	User: Dheeraj Domestic Flight Booking System Date: YYYY/MM/DD
2	ARIANO Time: HH:MM:SS
3	----- Searched Flights -----
4	
5	Type Choice, Press Enter Position To: _____
6	5=Display
7	
8	Origin. . . : Chennai
9	
10	Destination.: Jaipur
11	
12	<u>Opt</u> <u>Flight ID</u> <u>Airline</u> <u>Total Duration</u> <u>Price</u> <u>Rating</u>
13	
14	— F0001 Air India 01.30.00 1200 4.5
15	— F0002 Akaka Air 01.30.00 2000 4.5
16	— F0003 Emirates 01.30.00 3000 4.5
17	— F0004 Spice Jet 01.30.00 2500 3.5
18	— F0005 Vistara 01.30.00 1000 5.0
19	— F0006 Etihad 01.30.00 5000 4.5
20	More
21	
22	
23	F3=Exit F5=Refresh F12=Cancel
24	

### Functionality and Validation:

1. Passengers can take option 5 to display the detailed flight information.
2. Passengers can press F12 to go back to the previous screen.

### 5.4.2.2: Display Flight

	1234567890123456789012345678901234567890123456789012345678901234567890
1	User: Dheeraj Domestic Flight Booking System Date: YYYY/MM/DD
2	ARIANO Time: HH:MM:SS
3	Air India-F0001
4	
5	Flight ID. . . : F0001 Airline. . . . : Air India
6	
7	Origin. . . . : Chennai Destination. . : Jaipur
8	
9	Aircraft. . . : Airbus A380 Available Seats: 250
10	
11	Arrival Time. : 13.30.00 Departure Time.: 18:30:00
12	
13	Departure Date: 2024/06/01 End Time. . . . : 15.00.00
14	
15	Rating. . . . : 4.5 Price. . . . . : 1200 Rs
16	
17	Cabin Bag. . . : 3 Kg Main Luggage. . : 8 kg
18	
19	Total Duration: 01.30.00 Hr
20	
21	
22	
23	F3=Exit F6=Book Tickets F12=Cancel
24	

### Functionality and Validation: -

1. Passengers can view detailed information on flights.
2. Passengers can press F5 to go to the booking screen.
3. Passengers can press F12 to get back to the previous screen.

## 5.4.2.3: Book Tickets

	1234567890123456789012345678901234567890123456789012345678901234567890		
1	User: Dheeraj	Domestic Flight Booking System	Date: YYYY/MM/DD
2		ARIANO	Time: HH:MM:SS
3	----- Air India-F0001 -----		
4			
5	Flight ID. . . : F0001	Airline. . . . : Air India	
6			
7	Booking ID. . : B0001	Ticket ID. . . : T0001	
8			
9	Origin. . . . : Chennai	Destination. . : Jaipur	
10			
11	Departure Date: 2024/06/01	Departure Time.: 18:30:00	
12			
13	Passenger Name: <u>Dheeraj Tanwar</u>	Gender. . . . .: <u>Male</u>	
14			
15	Age. . . . .: <u>24</u>		
16			
17			
18			
19			
20			
21			
22			
23	F3=Exit F4=Previous Passenger F6=Book Ticket F12=Cancel		
24			

Choose Passenger					
Type 1, Press Enter					
Press F12 to cancel					
Opt	Passenger ID	Name	Gender	Age	Relation
—	P0001	Dheeraj	Male	24	Self
—	P0001	Kamlesh	Male	25	Brother
—	P0001	Hardik	Male	29	Friend

## Functionality and Validation: -

1. Users can fill in passenger details on their own or can press F4 to fill in previously booked passenger details if there are any.
2. After filling in the detail's user can press F6 to book the ticket, and then a confirmation window will open like below where the user can click on yes to book the ticket for an added passenger and add more passengers, No to book the ticket for added passenger without adding more passengers, and Cancel to cancel the booking.

Want To Add More Passenger

Click on Yes to add more passenger  
Click No to book the ticket  
Cancel to cancel booking.

Yes

No

Cancel

## 5.4.3: Manage Bookings

	12345678901234567890123456789012345678901234567890123456789012345678901234567890
1	User: Dheeraj Domestic Flight Booking System DATE: YYYY/MM/DD
2	ARIANO TIME: HH.MM.SS
3	----- Manage Bookings -----
4	
5	Type Choice, Press Enter Position To: _____
6	5=Manage
7	
8	
9	<u>Opt</u> <u>Booking Id</u> <u>Origin</u> <u>Destination</u> <u>Travel Date</u> <u>Status</u>
10	
11	— B0001 Jaipur Chennai 2024/01/01 Upcoming
12	— B0004 Chennai Mumbai 2024/01/01 Completed
13	— B0007 Jodhpur Kolkata 2024/01/01 Completed
14	— B0010 Jammu Mumbai 2024/01/01 Cancelled
15	— B0015 Jaipur Chennai 2024/01/01 Completed
16	
17	More
18	
19	
20	
21	
22	
23	F3=Exit F4=Completed/Upcoming/Cancelled F5=Refresh F12=Cancel
24	

### Functionality and Validation: -

1. User here can see all their bookings whether it is upcoming, canceled, or completed.
2. The user can press 5 to manage the bookings.
3. The user can press F12 to get back to the previous screen.
4. The user can press F4 to toggle between the upcoming, completed, and canceled trips.



## 5.4.3.1: View Tickets

	1234567890123456789012345678901234567890123456789012345678901234567890
1	User: Dheeraj Domestic Flight Booking System DATE: YYYY/MM/DD
2	ARIANO TIME: HH.MM.SS
3	----- View Tickets -----
4	
5	Type Choice, Press Enter Position To: _____
6	2=Update 5=Display
7	
8	<b>Booking ID. : B0001</b>
9	<b>Origin. . .: Jaipur</b>
10	
11	<b>Booking Date: 2024/05/29</b>
12	<b>Destination: Chennai</b>
13	<u>Opt</u> <u>Ticket Id</u> <u>Passenger Id</u> <u>Passenger Name</u> <u>Status</u>
14	--
15	— T0001 P0001 Dheeraj Tanwar Completed
16	— T0002 P0002 Hardik Pachory Completed
17	— T0003 P0003 Devanshu Sharma Completed
18	— T0004 P0004 Ayush Negi Completed
19	— T0005 P0005 Nikhil Sankhla Completed
20	More
21	F3=Exit F4=Completed/Upcoming/Cancelled F5=Refresh F6= Register Complaint
22	F7=Feedback F8=Cancel Booking F12=Cancel
23	
24	

### Functionality and Validation: -

1. Here the user can see all the passengers they have booked under the booking ID.--
2. The user can take 2 to update or 5 to display the ticket details of each passenger.
3. The user can press F4 to toggle between upcoming, completed, or canceled trips.
4. The user can press F12 to get back to the previous screen.

## 5.4.3.2: Register Complaint

	12345678901234567890123456789012345678901234567890123456789012345678901234567890
1	User: Dheeraj Domestic Flight Booking System DATE: YYYY/MM/DD
2	ARIANO TIME: HH.MM.SS
3	----- Register Complaint -----
4	
5	<b>Booking ID. :</b> B0001 <b>Origin. . .:</b> Jaipur
6	
7	<b>Booking Date:</b> 2024/05/29 <b>Destination:</b> Chennai
8	
9	<b>Airline. . .:</b> Air India
10	
11	<b>Complaint. .:</b> _____
12	_____
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	F3=Exit F5=Refresh F6=Register Complaint F12=Cancel
24	

### Functionality and Validation: -

1. User can write their complaint against any flight they have taken and press F6 to register the complaint.
2. User can press F12 to cancel the complaint registration.

## 5.4.3.3: Provide Feedback

	1234567890123456789012345678901234567890123456789012345678901234567890
1	User: Dheeraj Domestic Flight Booking System DATE: YYYY/MM/DD
2	ARIANO TIME: HH.MM.SS
3	----- Feedback For Flight -----
4	
5	Booking ID. : B0001 Origin. . .: Jaipur
6	
7	Booking Date: 2024/05/29 Destination: Chennai
8	
9	Airline. . .: Air India Flight ID. : F0001
10	
11	
12	Rating. . . : _ (Out of 5)
13	
14	Feedback. . : _____
15	_____
16	
17	
18	
19	
20	
21	
22	
23	F3=Exit F5=Refresh F6=Submit Feedback F12=Cancel
24	

### Functionality and Validations: -

1. The user can give a rating out of 5 here.
2. User can provide their feedback.
3. User can press F6 to submit their feedback.
4. The user can press F12 to cancel it.

## 5.4.3.4: Cancel Booking

	12345678901234567890123456789012345678901234567890123456789012345678901234567890
1	User: Dheeraj Domestic Flight Booking System DATE: YYYY/MM/DD
2	ARIANO TIME: HH.MM.SS
3	----- Cancel Booking -----
4	
5	Booking ID. : B0001 Origin. . .: Jaipur
6	
7	Booking Date: 2024/05/29 Destination: Chennai
8	
9	Airline. . .: Air India
10	
11	Reason. . . : _____
12	_____
13	
14	
15	
16	
17	
18	
19	
20	
21	F3=Exit F8=Request Cancellation F12=Cancel
22	
23	
24	

### Functionality and Validations: -

1. The user can mention a reason to request cancellation.
2. The user can press F8 to request cancellation.
3. The user can press F12 to cancel the request.

## 5.4.3.5: Update Bookings

	1234567890123456789012345678901234567890123456789012345678901234567890
1	User: Dheeraj Domestic Flight Booking System Date: YYYY/MM/DD
2	ARIANO Time: HH/MM/SS
3	----- Update Booking Details -----
4	
5	Booking Id: B0001 Passenger Id: P0001 Flight Id: F0001
6	
7	Ticket ID. . . : T0001 Passenger Name: <u>Dheeraj Tanwar</u>
8	
9	Origin. . . . : <u>Jaipur</u> (F4) Destination. . : <u>Chennai</u> (F4)
10	
11	Booking Date. : 2023/11/13 Departure Date: <u>2023/11/20</u>
12	
13	Departure Time: 13:30:00 Seat Number. . : 50
14	
15	Ticket Price. : 1200 Status. . . . : <u>Upcoming</u> (F4)
16	
17	
18	
19	
20	
21	
22	F3=Exit F4=Prompt F5=Refresh F6=Request Update
23	F12 = Cancel
24	

### Functionality and Validation: -

1. The user can update their details like departure date, origin, destination, and passenger name.
2. The user can press F6 to update the booking.
3. Pressing F8 will open a window where the user can mention the reason for cancellation and press enter to cancel the booking or can press F12 to cancel the request.
4. The user can press F12 to go back to the previous screen.

Requesting For Cancellation/Updation
Mention the Reason and Press Enter.
Press F12 to cancel the request.
Reason. . . : _____
_____

#### 5.4.3.6: Display Bookings

	1234567890123456789012345678901234567890123456789012345678901234567890		
1	User: Air India      Domestic Flight Booking System		Date: YYYY/MM/DD
2	ARIANO		Time: HH/MM/SS
3	----- Ticket Details -----		
4			
5	<b>Booking Id:</b> B0001	<b>Passenger Id:</b> P0001	<b>Flight Id:</b> F0001
6			
7	<b>Ticket ID. . . :</b> T0001	<b>Passenger Name:</b> Dheeraj Tanwar	
8			
9	<b>Origin. . . . :</b> Jaipur	<b>Destination. . :</b> Chennai	
10			
11	<b>Booking Date. :</b> 2023/11/13	<b>Departure Date:</b> 2023/11/20	
12			
13	<b>Departure Time:</b> 13:30:00	<b>Seat Number. . :</b> 50	
14			
15	<b>Ticket Price. :</b> 1200	<b>Status. . . . :</b> Upcoming	
16			
17			
18			
19			
20			
21			
22			
23	F3=Exit    F12=Cancel		
24			

### Functionality and Validation: -

1. The user can view the booking details of passengers.
2. The user can press F12 to get back to the previous screen.

#### 5.4.4: Change Password

	123456789012345678901234567890123456789012345678901234567890
1	User: Dheeraj      Domestic Flight Booking System      Date: YYYY/MM/DD
2	ARIANO      Time: HH/MM/SS
3	Change Password
4	
5	
6	
7	
8	
9	Old Password. . . . : _____
10	
11	New Password. . . . : _____
12	
13	Confirm New Password: _____
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	F3=Exit    F5=Refresh    F6=Change Password    F12=Cancel
24	

### Functionality and Validation: -

1. The user will fill in the old password, and new password and confirm the new password.
2. A new password should contain one special character, one uppercase letter, one small case letter, and one numeric digit.
3. If the password passes all the validation and the old password matches then, the user presses f6 so that the password gets updated.

## 5.5 Prompt

Select Country		
Type 1, Press Enter		
Press F12 to Cancel		
<u>Opt</u>	<u>Value</u>	<u>Description</u>
—	AFG	Afghanistan
—	BEL	Belgium
—	BRA	Brazil
—	CHN	China
—	DNK	Denmark
—	EGY	Egypt
—	FIN	Finland
—	GRL	Green Land
—	ITA	Italy
—	IND	India

### Functionality and Validation: -

1. This is the window subfile in which data will load according to the fields.
2. The user, Airline, or Admin can select put 1 as a choice against any value to select their choice of value for the fields.
3. If presses the F12 then the window subfile gets closed.