



Flight reservation



Member



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- Research, Presentation, Database

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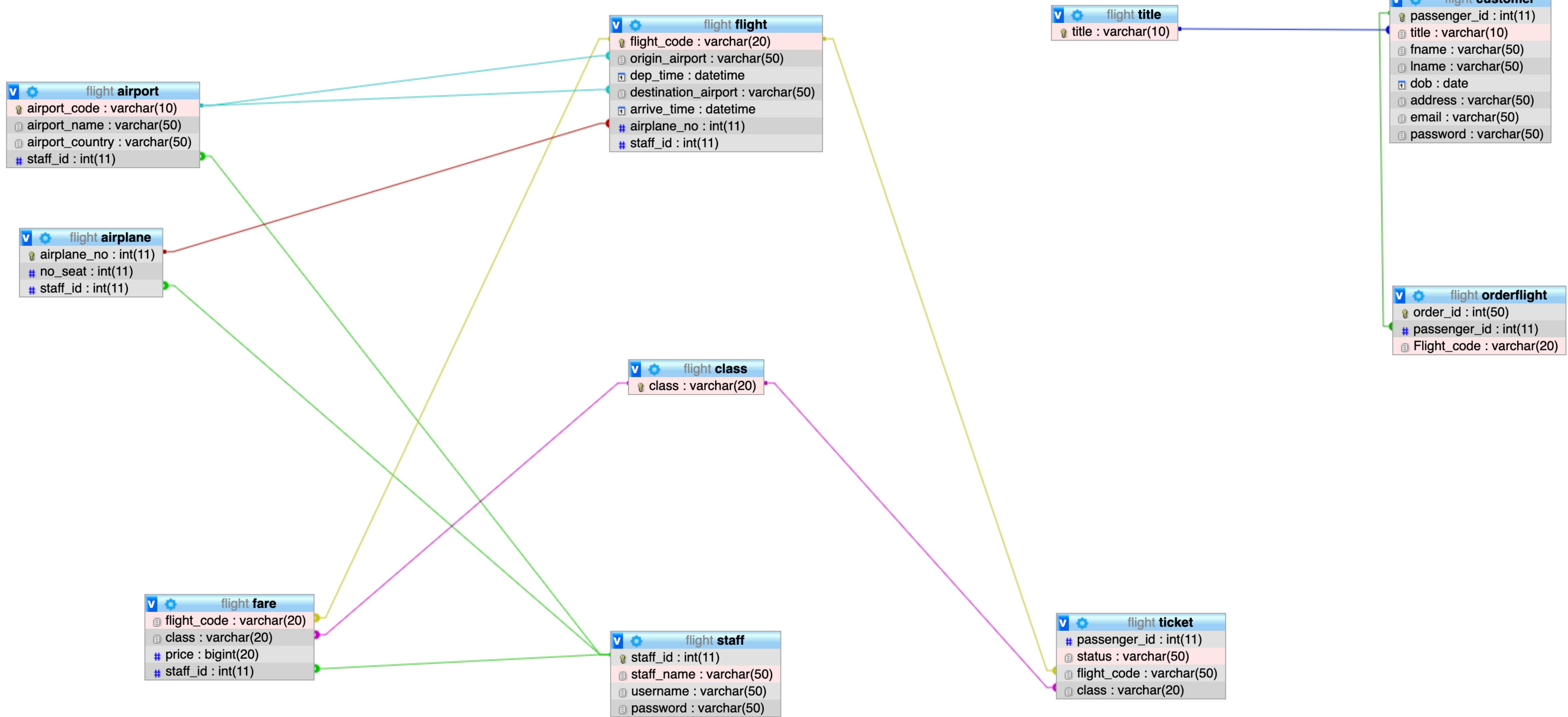
- Interface, Presentation, Database



IDEA



Entity Relationship Diagram

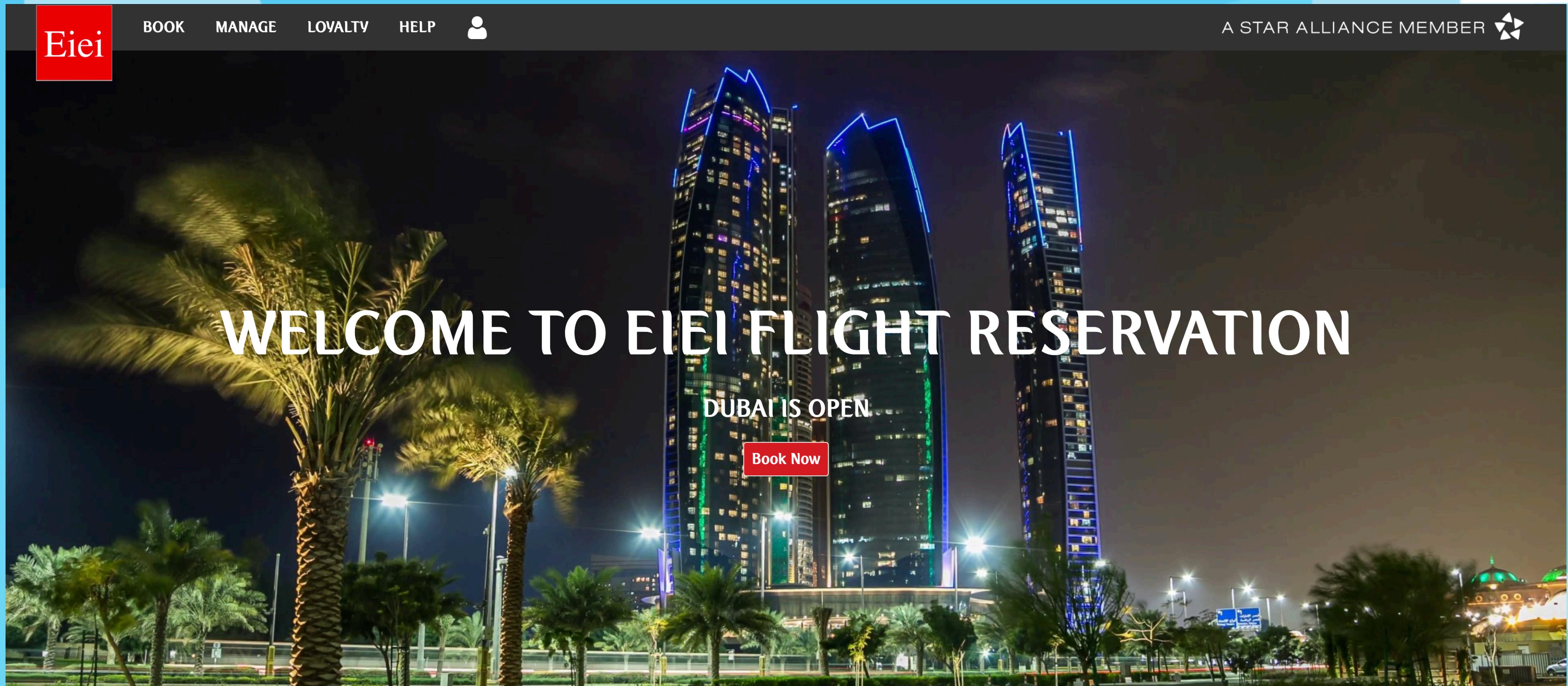


User Interface (Customer)



User Interface

Home Page



The background image shows a vibrant night scene of the Dubai skyline, featuring the Burj Khalifa and other skyscrapers illuminated with colorful lights. In the foreground, several palm trees are visible against the dark sky.

Eiei

BOOK MANAGE LOYALTY HELP

A STAR ALLIANCE MEMBER

WELCOME TO EIEI FLIGHT RESERVATION

DUBAI IS OPEN

Book Now

About us

Get to know EIEI better through our history and people.



About us

Companies

Contact us

User Interface

Login

The image shows a login page for the airline Eiei. The background features a sunset over mountains with a white airplane in flight. On the left, there's a red square logo with the word "Eiei" in white. Below it, the text "Flying you to over 100 DESTINATIONS" is displayed. The login form includes fields for Email and Password, and a red "log in" button. To the right, there's a section for new members with the text "Not an Eiei Royal member yet?", a "Join now" button, and a note about registering for miles.

Eiei

Flying you to over
100 DESTINATIONS

Email

Password

log in

Not an Eiei Royal member yet?

Register now to make the most every miles with
[Eiei Royal member](#)

Join now

User Interface

Registration

The image shows the Eiei Loyalty registration page. The background features a scenic sunset over water with white clouds at the top and bottom. At the top left is a red square containing the word "Eiei". To its right is a dark navigation bar with the words "BOOK", "MANAGE", "LOYALTY", and "HELP" in white, along with a user icon. On the far right of the bar is the text "A STAR ALLIANCE MEMBER" next to the Star Alliance logo. The main content area has a title "LOYALTY" and a large heading "Join Eiei Royal" with the subtext "Open up world of rewards." Below this is a form with six input fields: "Title" (dropdown menu), "First name" (text input), "Last name" (text input), "Date of birth" (date input), "Country" (dropdown menu with placeholder "*Select country*"), "Email" (text input), and "Password" (text input). At the bottom of the form is a red button labeled "Create an account". At the very bottom of the page is a red footer bar with the text "Eiei Flight reservation".

Eiei

BOOK MANAGE LOYALTY HELP

A STAR ALLIANCE MEMBER

LOYALTY

Join Eiei Royal

Open up world of rewards.

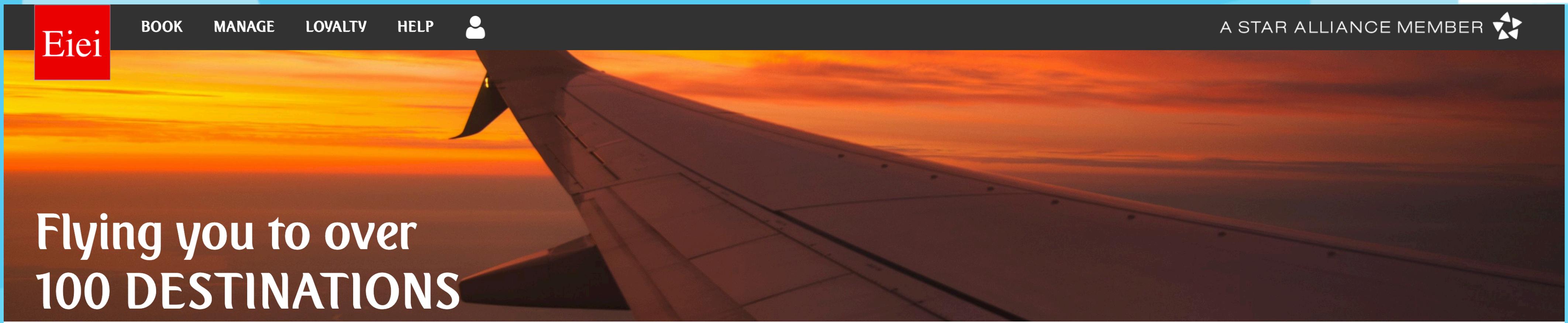
Title	<input type="button" value="-- ▾"/>
First name	<input type="text"/>
Last name	<input type="text"/>
Date of birth	<input type="text" value="dd/mm/yyyy"/> <input type="button" value="□"/>
Country	<input type="button" value="*Select country* ▾"/>
Email	<input type="text"/>
Password	<input type="text"/>

Create an account

Eiei Flight reservation

User Interface

Search Flight



Roundtrip One way

Origin

Destination

Departing Returning Passenger

Class

Show flights

TRAVEL SUPPORT

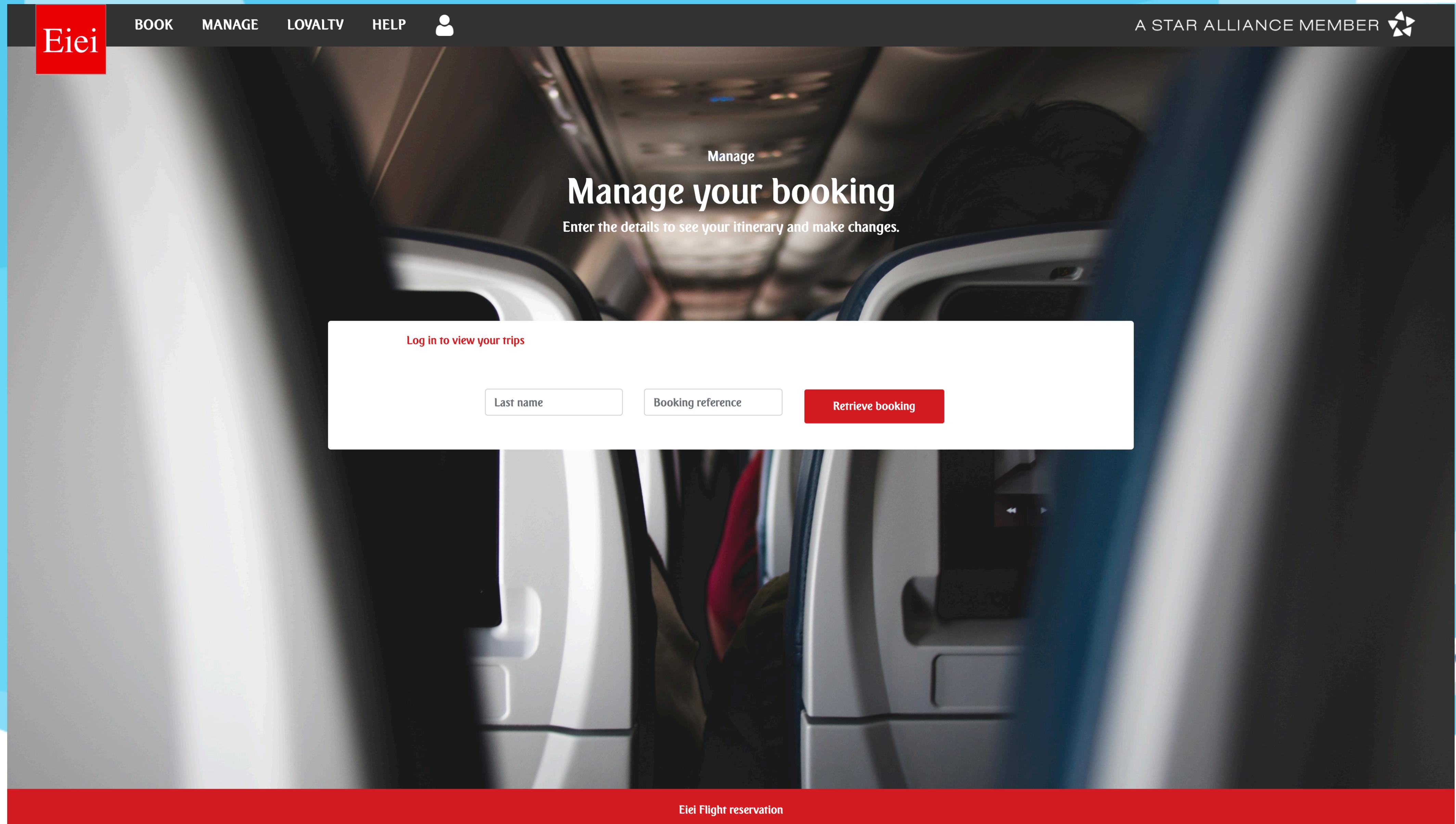
Plan your travel with confidence

Find help with yours booking and travel plus, and see what to expect along your journey.

Eiei Flight reservation

User Interface

Manage Booking



The image shows a blurred view of an airplane cabin from the perspective of a passenger seat. Rows of seats are visible, and a person's legs and feet are seen under a seat in the middle ground.

Eiei

BOOK MANAGE LOYALTY HELP 

A STAR ALLIANCE MEMBER 

Manage

Manage your booking

Enter the details to see your itinerary and make changes.

[Log in to view your trips](#)

Last name

Booking reference

Retrieve booking

Eiei Flight reservation

User Interface (Staff)



User Interface

Log In

Eiei

BOOK MANAGE LOYALTY HELP

A STAR ALLIANCE MEMBER

Staff member

Username

Password

log in

User Interface

Insert/Edit

The screenshot shows a travel booking application interface with a sunset-themed background. At the top, there's a navigation bar with the logo 'Eiei' in a red square, followed by links for 'BOOK', 'MANAGE', 'LOYALTY', 'HELP', and a user profile icon. To the right of the profile icon is the text 'A STAR ALLIANCE MEMBER' with the Star Alliance logo.

The main content area is titled 'Staff' and subtitle 'Edit customer information'. It contains a form for editing staff information:

Title	<input type="text" value="--"/>
First name	<input type="text"/>
Last name	<input type="text"/>
Date of birth	<input type="text" value="23/11/2020"/> <input type="button" value=""/>
Country	<input type="text" value="-select country-"/>
Email or Username	<input type="text"/>
Password	<input type="text"/>
Flight	<input type="text"/>

At the bottom of the form is a red 'Edit' button.

Table



Table

Airplane

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action	
	1	airplane_no	int(11)			No	None		Change	Drop	More
	2	no_seat	int(11)			No	None		Change	Drop	More
	3	staff_id	int(11)			No	None		Change	Drop	More

	◀ T ▶	▼	airplane_no	no_seat	staff_id
				1	500
				2	500
				3	450
				4	500
				5	500
				6	600
				7	500
				8	500
				9	500
				10	500

Table

Airport

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action	
	1	airport_code 	varchar(10)	utf8_general_ci		No	None		 Change	 Drop	 More
	2	airport_name	varchar(50)	utf8_general_ci		No	None		 Change	 Drop	 More
	3	airport_country	varchar(50)	utf8_general_ci		No	None		 Change	 Drop	 More
	4	staff_id 	int(11)			No	None		 Change	 Drop	 More

◀ T ▶	▼	airport_code	airport_name	airport_country	staff_id
		AKL	Auckland Airport	New Zealand	1
		BKK	Suvarnabhumi Airport	Thailand	2
		CDG	Paris Charles de Gaulle Airport	France	3
		DXB	Dubai International Airport	United Arab Emirates	4
		HND	Haneda International Airport	Japan	5
		JFK	John F. Kennedy International Airport	United States of America	6
		LHR	Heathrow Airport	United Kingdom	7
		NRT	Narita International Airport	Japan	8
		OSL	Gardermoen Airport	Norway	9
		TXL	Berlin Tegel Airport	Germany	10

Table

Class

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action	
<input type="checkbox"/>	1	class 	varchar(20)	utf8_general_ci		No	None		 Change	 Drop	 More

← T →				class
<input type="checkbox"/>	 Edit	 Copy	 Delete	Business class
<input type="checkbox"/>	 Edit	 Copy	 Delete	Economy class
<input type="checkbox"/>	 Edit	 Copy	 Delete	First class

Table

Customer

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	passenger_id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	title	varchar(10)	utf8_general_ci		No	None			Change Drop More
3	fname	varchar(50)	utf8_general_ci		No	None			Change Drop More
4	Iname	varchar(50)	utf8_general_ci		No	None			Change Drop More
5	dob	date			No	None			Change Drop More
6	address	varchar(50)	utf8_general_ci		No	None			Change Drop More
7	email	varchar(50)	utf8_general_ci		No	None			Change Drop More
8	password	varchar(50)	utf8_general_ci		No	None			Change Drop More

← ↑ →	passenger_id	title	fname	Iname	dob	address	email	password
Edit Copy Delete	44	Prof.	Chanvit	Moungyoo	1999-10-17	Germany	chanwith_club@hotmail.com	skapper
Edit Copy Delete	45	Dr.	Pattraporn	Pajariyapong	2000-06-03	Japan	knjeiei@hotmail.com	1234
Edit Copy Delete	46	Mr.	Nontanat	Nutsati	1999-06-09	United States of America	pupeiei@hotmail.com	1234

Table

Fare

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	flight_code	varchar(20)	utf8_general_ci		No	None			Change Drop More
2	class	varchar(20)	utf8_general_ci		No	None			Change Drop More
3	price	bigint(20)			No	None			Change Drop More
4	staff_id	int(11)			No	None			Change Drop More

flight_code	class	price	staff_id
TG001	First class	89315	1
TG001	Economy class	69315	1
TG001	Business class	19500	1
TG001	Business class	62445	1
TG001	Economy class	25338	1
TG002	Economy class	16500	7
TG002	Business class	32500	7
TG002	First class	65400	7
TG003	Business class	45200	4
TG003	Economy class	16500	4
TG003	First class	62445	4
TG004	Economy class	4500	6
TG004	First class	32000	6
TG004	Business class	62445	5
TG005	Economy class	25338	3
TG005	First class	92450	3
TG005	Business class	62445	3
TG006	Economy class	19500	8
TG006	Business class	32500	8
TG006	First class	65400	8
TG007	Economy class	25335	7
TG007	Business class	32500	10
TG007	First class	69315	10
TG008	Economy class	25400	2
TG008	Business class	63599	2
TG008	First class	122515	2
TG009	Economy class	32500	9
TG009	Business class	82500	9
TG009	First class	124059	9
TG010	Economy class	32000	5

Table

Flight

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	flight_code 	varchar(20)	utf8_general_ci		No	None		 Change  Drop  More	
2	origin_airport 	varchar(50)	utf8_general_ci		No	None		 Change  Drop  More	
3	dep_time	datetime			No	None		 Change  Drop  More	
4	destination_airport 	varchar(50)	utf8_general_ci		No	None		 Change  Drop  More	
5	arrive_time	datetime			No	None		 Change  Drop  More	
6	airplane_no 	int(11)			No	None		 Change  Drop  More	
7	staff_id 	int(11)			No	None		 Change  Drop  More	

← ↑ →	flight_code	origin_airport	dep_time	destination_airport	arrive_time	airplane_no	staff_id
 Edit  Copy  Delete	TG001	BKK	2020-10-17 03:25:00	LHR	2020-10-17 12:25:00	1	1
 Edit  Copy  Delete	TG002	DXB	2020-10-17 08:45:00	LHR	2020-10-17 14:25:00	2	2
 Edit  Copy  Delete	TG003	DXB	2020-10-17 13:10:00	TXL	2020-10-17 18:40:00	3	3
 Edit  Copy  Delete	TG004	CDG	2020-10-17 01:55:00	LHR	2020-10-17 04:00:00	4	4
 Edit  Copy  Delete	TG005	BKK	2020-10-20 01:25:00	HND	2020-10-20 08:25:00	5	5
 Edit  Copy  Delete	TG006	OSL	2020-10-20 07:30:00	BKK	2020-10-20 20:00:00	6	6
 Edit  Copy  Delete	TG007	BKK	2020-10-23 10:30:00	DXB	2020-10-23 16:30:00	7	7
 Edit  Copy  Delete	TG008	NRT	2020-10-26 20:45:00	JFK	2020-10-27 20:35:00	8	8
 Edit  Copy  Delete	TG009	OSL	2020-10-30 08:30:00	HND	2020-10-31 02:35:00	9	9
 Edit  Copy  Delete	TG010	JFK	2020-11-10 10:00:00	DXB	2020-12-11 23:30:00	10	10



Table

Order flight

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	order_id	int(50)			No	None		AUTO_INCREMENT	Change Drop More
2	passenger_id	int(11)			No	None			Change Drop More
3	Flight_code	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More

	← T →	▼	order_id	passenger_id	Flight_code
	Edit Copy Delete		15	44	TG001
	Edit Copy Delete		16	45	TG005
	Edit Copy Delete		17	46	TG008

Table

Staff

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	staff_id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	staff_name	varchar(50)	utf8_general_ci		No	None			Change Drop More
3	username	varchar(50)	utf8_general_ci		No	None			Change Drop More
4	password	varchar(50)	utf8_general_ci		No	None			Change Drop More

				staff_id	staff_name	username	password
				1	Peter Adam	petera	1234
				2	Steve Horwang	hsteve	1234
				3	Nagata Yoshida	nafuhung	1234
				4	Tim Friedhoff	timmy	1234
				5	Maxim Klander	maximk	1234
				6	Thomas Berritault	tberriault	1234
				7	Ahmad Al-Shalif	madeindubai	1234
				8	Jonathan McMillan	joshmc	1234
				9	Dhitsapat Hiranwatcharakan	fifazaza	1234
				10	Usman Jamil	usmanhaha	1234

Table

Class

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action	
<input type="checkbox"/>	1	class 	varchar(20)	utf8_general_ci		No	None		 Change	 Drop	 More

← T →				class
<input type="checkbox"/>	 Edit	 Copy	 Delete	Business class
<input type="checkbox"/>	 Edit	 Copy	 Delete	Economy class
<input type="checkbox"/>	 Edit	 Copy	 Delete	First class

Table

Ticket

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	passenger_id	int(11)			No	None			Change Drop More
2	status	varchar(50)	utf8_general_ci		No	None			Change Drop More
3	flight_code	varchar(50)	utf8_general_ci		No	None			Change Drop More
4	class	varchar(20)	utf8_general_ci		No	None			Change Drop More

passenger_id	status	flight_code	class
1	Confirmed	TG001	First class
4	Cancelled	TG007	Economy class
2	Confirmed	TG010	First class
3	Confirmed	TG004	Business class

Table

Title

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	title	varchar(10)	utf8_general_ci		No	None			 Change  Drop  More

← T →		title		
<input type="checkbox"/>	 Edit	 Copy	 Delete	Dr.
<input type="checkbox"/>	 Edit	 Copy	 Delete	Mr.
<input type="checkbox"/>	 Edit	 Copy	 Delete	Mrs.
<input type="checkbox"/>	 Edit	 Copy	 Delete	Ms.
<input type="checkbox"/>	 Edit	 Copy	 Delete	Prof.

Trigger



Trigger

	Name	Action	Time	Event
<input type="checkbox"/>	Duplicate	Edit Export Drop	BEFORE	INSERT

Edit trigger X

Details

Trigger name	Duplicate
Table	orderflight
Time	BEFORE
Event	INSERT

Definition

```
1 BEGIN
2 DECLARE rowcount INT;
3
4     SELECT COUNT(*)
5         INTO rowcount
6         FROM orderflight
7         WHERE orderflight.Flight_code = NEW.Flight_code and
orderflight.passenger_id = NEW.passenger_id;
8
9     IF rowcount > 0 THEN
10        SIGNAL SQLSTATE '02000' SET MESSAGE_TEXT = 'flight duplicated';
11    END IF;
12 END
```

Definer

root@localhost

Website design



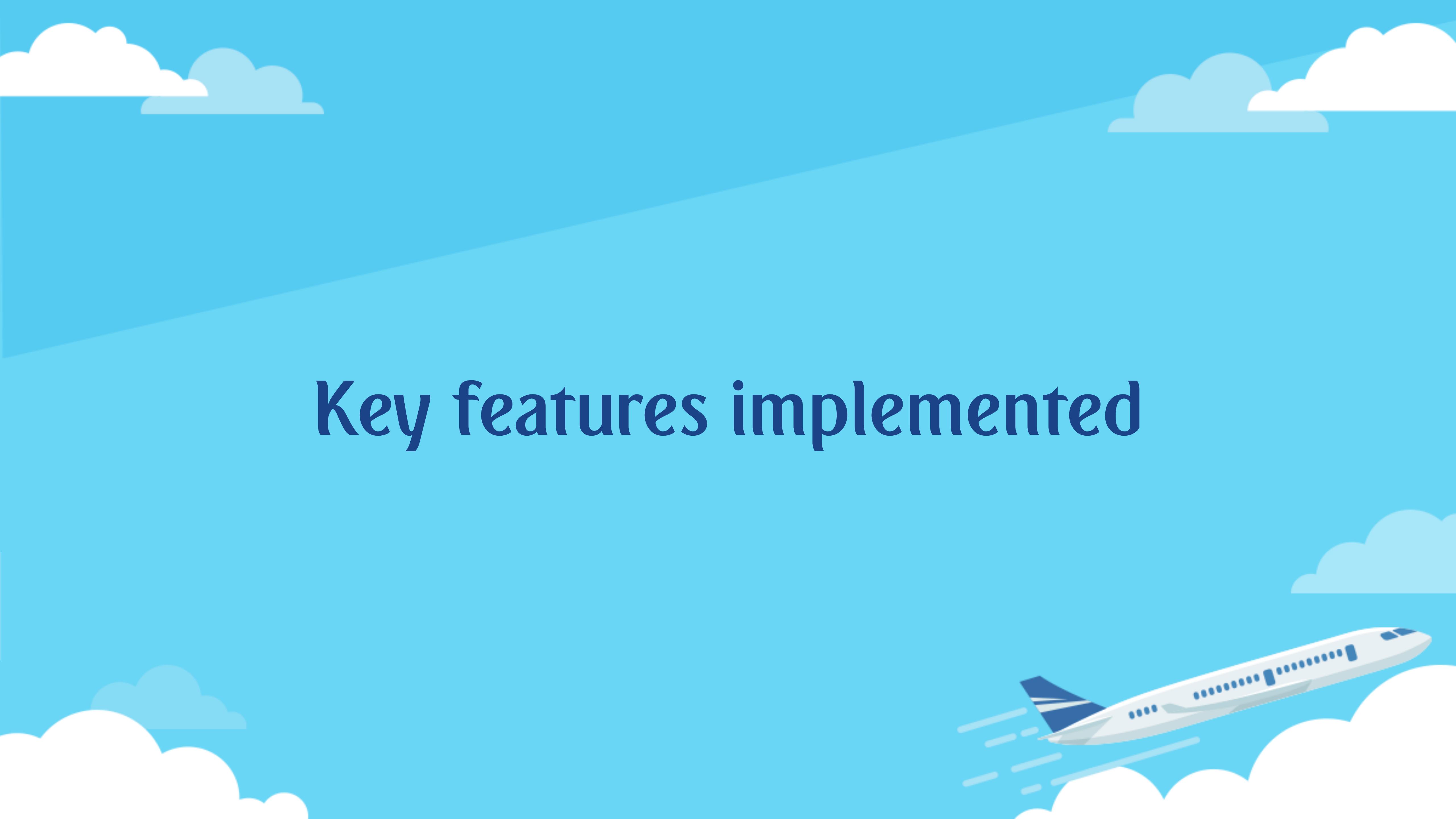
Data manipulation in database



Highlight on the features



Key features implemented



Features(User)

1

Registration

3

Search flight

5

Payment

2

Login

4

Select flight

6

E-Ticket



Features(Staff)

1

Log in/out

2

Insert/edit



Limitations of project



Thank you for your attention.

