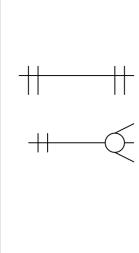
Legend: $PK \rightarrow Primary Key (unique record identifier)$ $\mathsf{FK} \to \mathsf{Foreign}\; \mathsf{Key}\; (\mathsf{reference}\; \mathsf{to}\; \mathsf{another}\; \mathsf{table})$ 1:1 One-to-One relationship

 $1:M \rightarrow One-to-Many relationship$

 $NULL \rightarrow Value can be empty$ U- Unique (not repeating value) ENUM - Enumerated list (predefined list of values) DECIMAL -numeric value with decimals



	Airport		_
airport_id	INT	PK	
airport_name	VARCHAR		
country	VARCHAR		
state	VARCHAR		
city	VARCHAR		
created_at	DATETIME		
updated_at	DATETIME		

	airline_id			INT	FK
	departure_airpo	rt_id		INT	FK
	arrival_airport	_id		INT	FK
	scheduled_departu	re_time		DATETIME	
	scheduled_arrival_time			OATETIME	
	actual_departure_time			INT FK	
Q(actual_arrival_time			OATETIME	NULL
`	departig_gat	e	\	/ARCHAR	
	arriving_gate	e	\	/ARCHAR	
	created_at			DATETIME	
	updated_at			DATETIME	
	Airline				
airline_id		INT		PK	
á	airline_code	VARCHAF	2	U	
a	nirline_name	VARCHAF	₹		
	country	VARCHAF	2		
	created_at	DATETIME	≣		
	undated at	DATETIME			

Flight

INT

PK

flight_id

			l		
	arrival_airport	_id		INT	FK
	scheduled_departu	re_time	С	ATETIME	
	scheduled_arriva	I_time		ATETIME	
	actual_departure	_time	С	ATETIME	NULL
X	actual_arrival_t	ime	С	ATETIME	NULL
Ì	departig_gat	e	\	/ARCHAR	
	arriving_gate	е	\	/ARCHAR	
	created_at		С	ATETIME	
	updated_at		С	ATETIME	
	Airline				
airline_id		INT		PK	
airline_code		VARCHAR		C	
airline_name		VARCHAR			
	country	VARCHAR			
	created_at	DATETIME	Ξ		
	updated_at	DATETIME	Ξ		

Entity descriptions:
$\mbox{Airport} \rightarrow \mbox{Stores airport details (name, city, country, etc.)}.$
Airline List of airlines with their codes and countries.
Flight Flight information: airline, departure/arrival airports, time, gates, etc.
$ \hbox{Passenger} \rightarrow \hbox{Passenger data (name, date of birth, citizenship, passport, etc.)}. \\$
$\mbox{Booking} \rightarrow \mbox{Reservations made by passengers for flights (status, price, platform, etc.)}.$
BookingChange→ History of modifications to bookings (type of change, old/new values, timestamp, etc.).
Boarding Pass \rightarrow Boarding passes issued for bookings (seat assignment, boarding time, etc.).
${\sf Baggage} \rightarrow {\sf Registered} \ {\sf baggage} \ {\sf items} \ {\sf for} \ {\sf bookings} \ ({\sf weight} \ {\sf and} \ {\sf details}, \ {\sf etc.}).$
${\sf BaggageCheck} \rightarrow {\sf Results} \ {\sf of} \ {\sf baggage inspections} \ ({\sf security \ clearance, \ results, \ etc.}).$
SecurityCheck Security checks performed on passengers (results of screening, etc.).

	BookingCha	ange					
	booking_change_id	INT	PK				
•	booking_id	INT	FK				
	change_type	VARCHAR					
	old_value	VARCHAR					
	new_value	VARCHAR					
•	changed_at	DATETIME					
	changed_by	VARCHAR					
	Bookong	3					BoardingPass
	booking_id	INT	PK		 -	boarding_pass_id	boarding_pass_id INT
	flight_id	INT	FK		L	booking_id	booking_id INT
	passenger_id	INT	FK			seat	seat VARCHAR
	status	ENUM				boarding_time	boarding_time DATETIME
$\stackrel{\checkmark}{\sim}$	booking_platform	VARCHAR				created_at	created_at DATETIME
	ticket_price	DEMICAL				updated_at	updated_at DATETIME
				'			
	created_at	DATETIME		-			
	updated_at	DATETIME			_	Baggage	Baggage
		/				baggage_id	baggage_id INT
						booking_id	booking_id INT
		· ·			-	weight_kg	weight_kg DEMICAL
	Passengo	er				created_at	created_at DATETIME
	passenger_id	INT	PK			updated_at	updated_at DATETIME
	first-name	VARCHAR		L			
	last_name	VARCHAR					
	gender	ENUM					
	date_of_birth	DATE					
	cityzenship_country	VARCHAR					
	residence_country	VARCHAR					
[VARCHAR					
	created_at	DATETIME		Г		PossesseCh	Darrage Chook
	updated_at	DATETIME			L - ··		BaggageCheck
						ge_check_id	
				-		ggage_id	
	SecurityCh	eck		_	pas	senger_id	senger_id INT
	security_check_id	INT	PK		chec	k_result	k_result ENUM
	passenger_id	INT	FK		crea	ted_at	ted_at DATETIME
	check_result	ENUM			update	d_at	d_at DATETIME
	created_at	DATETIME					1
- 1		1	l				

DATETIME

updated_at