

Airport Management System Prototype

Team #1 - "The Wright Brothers"

Ross Baldwin, Austin FitzGerald, Jason Liu

Non-Functional Description

- PostgreSQL
- Java 11
 - JavaFX
 - Spring Framework for JDBC
 - Maven Build Tool

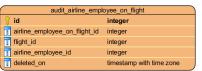
• ~7k LOC in Java

Functional Description

- Employees of different types store information about airports, airlines, aircraft, flights, passengers, and other airport related information.
- Possible users include airport employees, airline employees, and system admins.
- The system provides certain functionality depending on the type of employee using the system.

Application Limitations

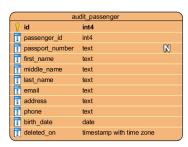
- More controllers need to be implemented
- JavaFX multithreading not completely taken advantage of
- Not much of a business perspective
- Role system is messy

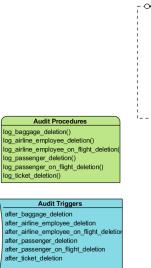


audit_baggage		
💡 id	integer	
passenger_on_flight_id	integer	
weight	real	
baggage_status_id	integer	
deleted_on	timestamp with time zone	

public.audit_passenger_on_flight		
💡 id	integer	
passenger_on_flight_id	integer	
flight_id	integer	
passenger_id	integer	
deleted_on	timestamp with time zone	

audit_airline_employee		
💡 id	integer	
airline_employee_id	integer	
airline_id	integer	
job_id	integer	
first_name	text	
middle_name	text	
ast_name	text	
email	text	
address	text	
phone	text	
birth_date	date	
deleted_on	timestamp with time zone	

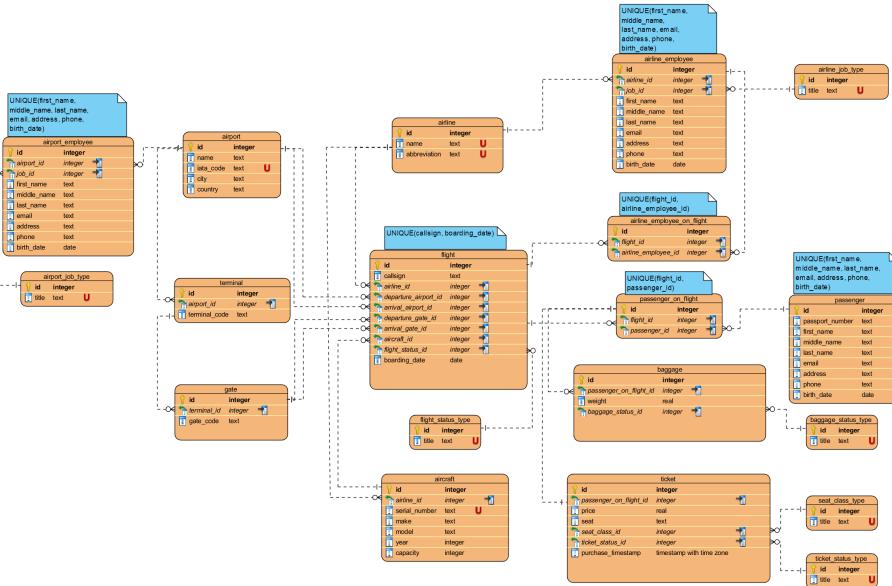




log_baggage_deletion()

log_ticket_deletion()

after_ticket_deletion



Demonstration

Questions, Comments, Complaints?

Resources Used In Presentation

• Slide 1: https://www.flickr.com/photos/130478877@N02/26885642423