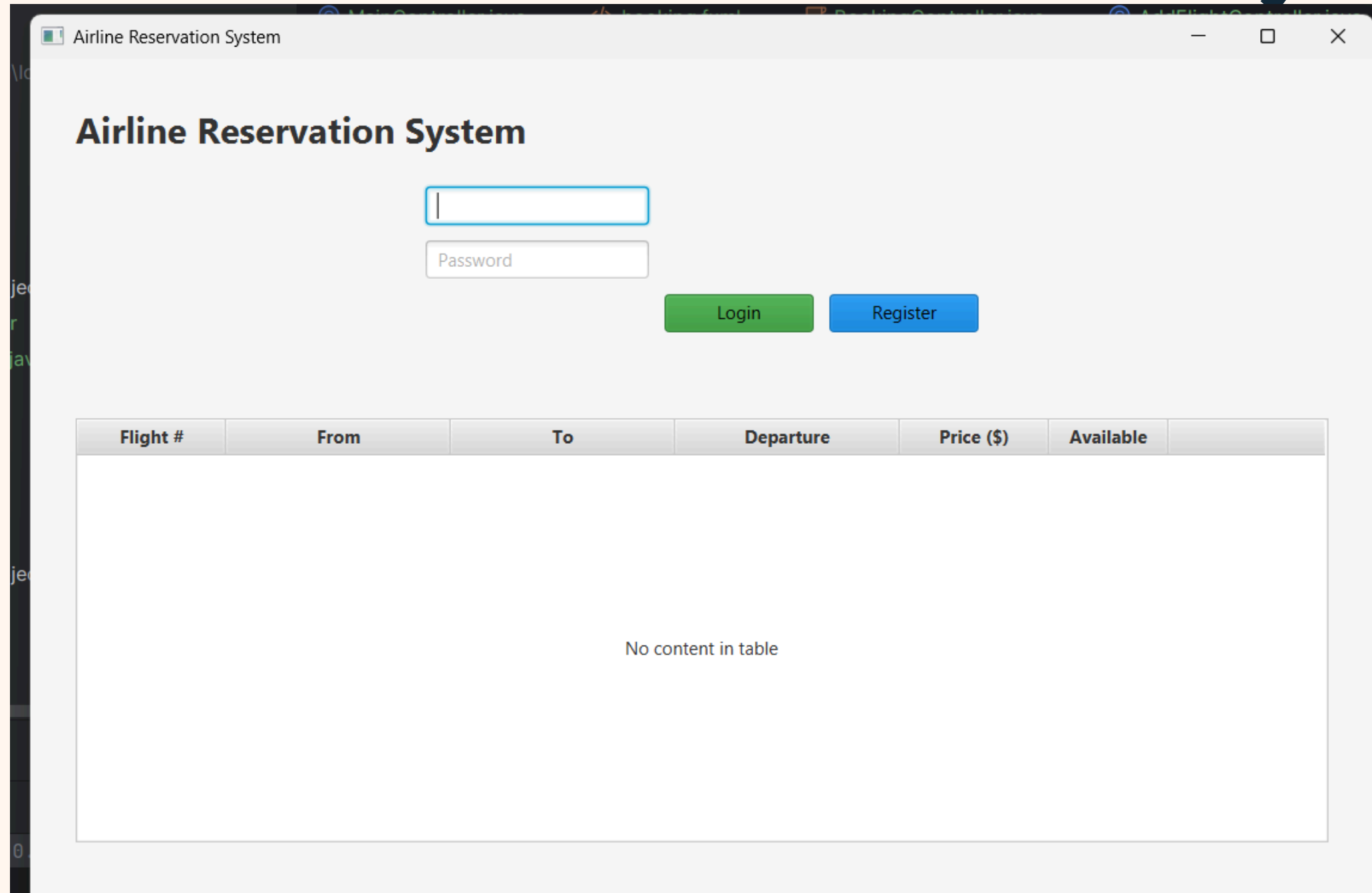# AIRLINE TICKET RESERVATION SYSTEM

Presentation by a student of ComCEH-24
Usubalieva Mariyam

A JAVAFX APPLICATION FOR MANAGING FLIGHTS AND BOOKINGS.

- **Desktop-based airline ticket booking system**
- **Developed in Java using JavaFX**
- **Two user roles: Admin and Customer**
- **Stores and manages flights, bookings, and users**

ADMIN CAN DELETE, EDIT AND VIEW FLIGHTS

Airline Reservation System

Airline Reservation System

admin

••••••

[Login]   [Register]

Welcome, admin (admin)

Flight #	From	To	Departure	Price ($)	Available	
FL1001	New York	London	2025-05-01	500.0	90	
FL1002	Paris	Tokyo	2025-05-03	750.0	130	
FL1003	Berlin	Rome	2025-05-05	300.0	75	
FL1004	Moscow	Dubai	2025-05-07	600.0	105	
FL 1005	Bishkek	Almaty	2025-08-11	270.0	120	

[Add Flight]   [Delete Flight]

Airline Reservation System

Airline Reservation System

Welcome, admin (admin)

Add Flight

Add New Flight

Flight Number: FL2704

Origin: Bishkek

Destination: Turkey

Departure Date (YYYY-MM-DD):   2025-04-27

Price: 130

Total Seats: 100

[Save Flight]

Flight #	From			($)	Available
FL1001	New York				90
FL1002	Paris				130
FL1003	Berlin				75
FL1004	Moscow				105
FL 1005	Bishkek				120

[Add Flight]   [Delete Flight]

CUSTOMER CAN:
REGISTER & LOG IN
BOOK FLIGHTS
VIEW BOOKING HISTORY

Airline Reservation System

Airline Reservation System

user1

•••••

Login   Register

Welcome, user1 (user)

Flight #	From	To	Departure	Price ($)	Available
FL1001	New York	London	2025-05-01	500.0	90
FL1002	Paris	Tokyo	2025-05-03	750.0	130
FL1003	Berlin	Rome	2025-05-05	300.0	75
FL1004	Moscow	Dubai	2025-05-07	600.0	105
FL 1005	Bishkek	Almaty	2025-08-11	270.0	120

Book Flight

Airline Reservation System

Airline Reservation System

user1

•••••

Register

Welcome, user1 (user)

User R...

Register New Account

mariyam

•••••••

user

Register

Flight #	From			Price ($)	Available
FL1001	New York	London		500.0	90
FL1002	Paris	Tokyo		750.0	130
FL1003	Berlin	Rome		300.0	75
FL1004	Moscow	Dubai		600.0	105
FL 1005	Bishkek	Almaty	2025-08-11	270.0	120

Book Flight
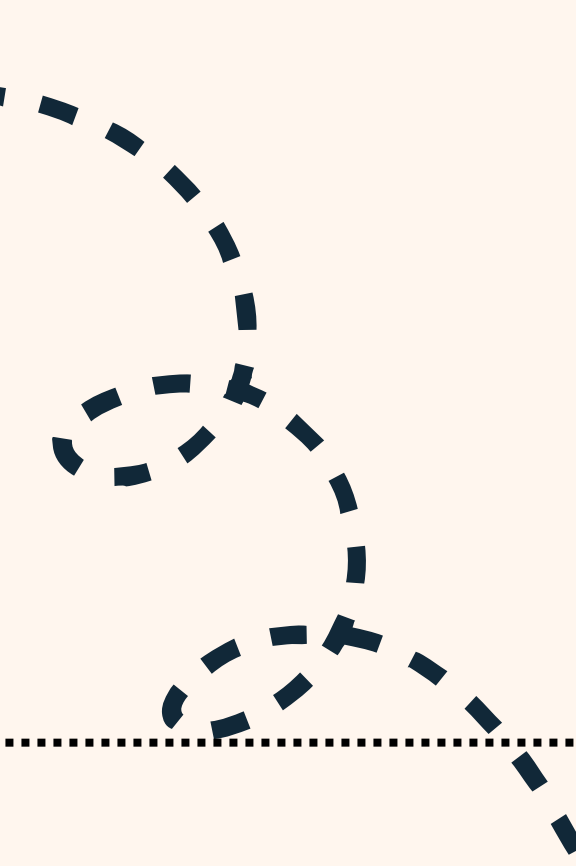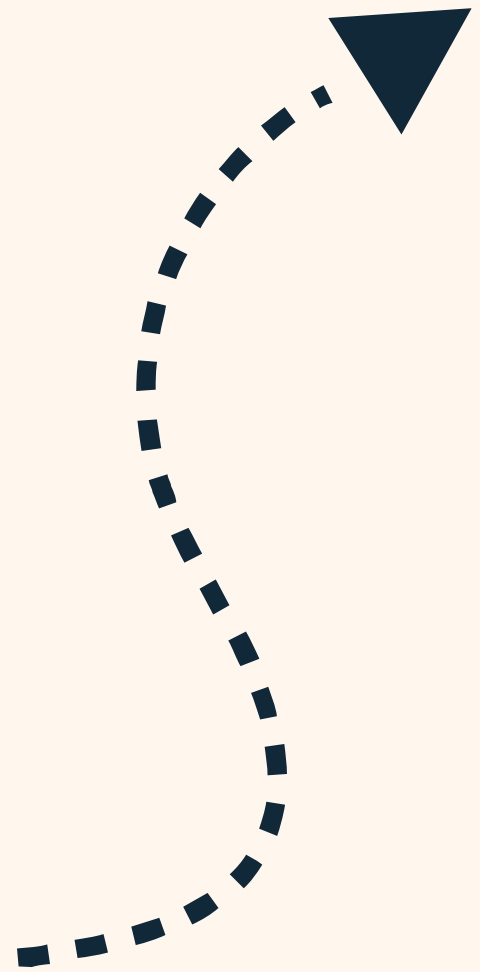
TECHNOLOGIES USED:

- **Java 23**
- **JavaFX (UI)**
- **MySQL (Database)**
- **JDBC (Connectivity)**
- **Maven (Build tool)**
- **IntelliJ IDEA (IDE)**

WHAT I LEARNED

- **GUI design using JavaFX**
- **Role-based access management**
- **Connecting Java with MySQL**
- **Organizing large codebases (MVC)**

THANK YOU FOR YOU ATTENTION!