# ✈️ Airline Management System

A \*\*Java Swing + MySQL\*\* based Airline Management System with features like flight booking, journey details, customer registration, and flight cancellations. This desktop application is ideal for learning Java GUI development and JDBC database integration.

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## 📌 Features

- 🧑‍💼 Add Customer Details

- 📄 Generate Boarding Pass

- 📅 Book Flights

- 🚫 Cancel Booked Flights

- 🧾 View Journey Details

- 🔐 Login System

- 🏠 Home Dashboard

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## 🛠️ Technologies Used

| Technology | Purpose |

|------------------|---------------------------------------|

| Java (Swing) | GUI Application |

| MySQL | Database |

| JDBC | Java-Database Connectivity |

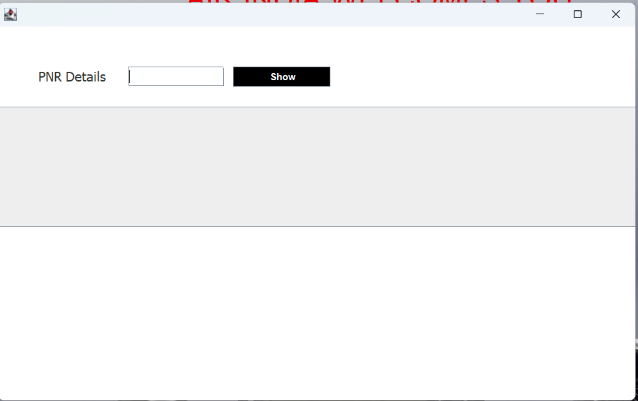
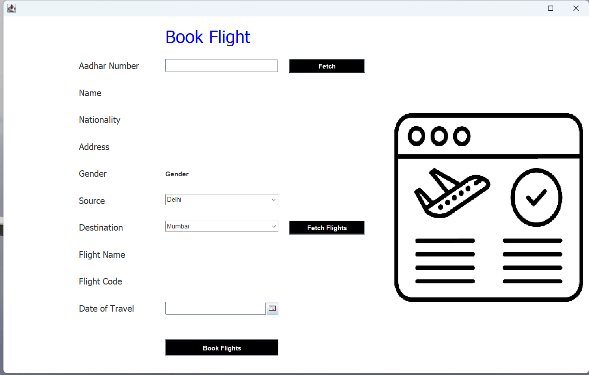
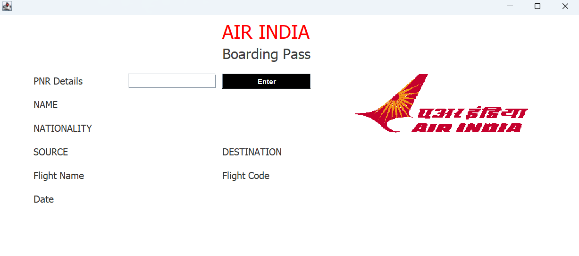
| jCalendar | Date Picker in Booking Forms |

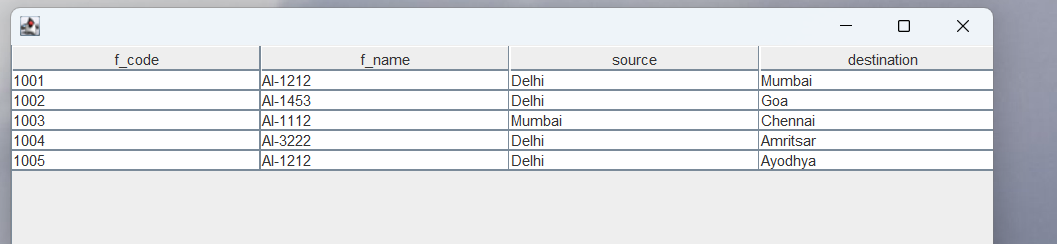
| rs2xml.jar | Table Display (JTable + ResultSet) |

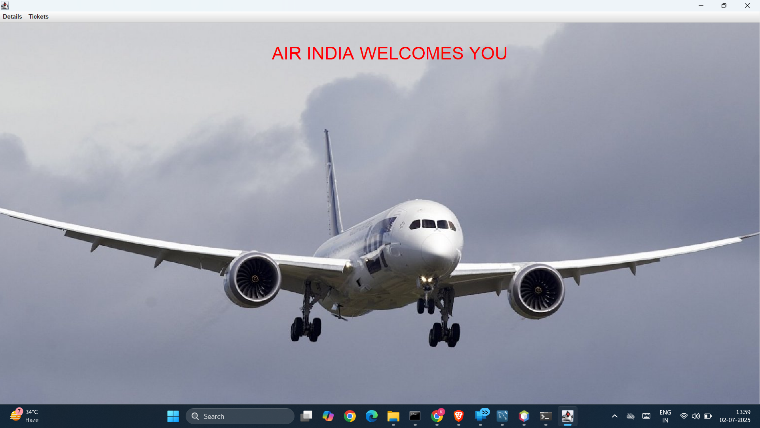
| NetBeans IDE | Development Environment |

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## 🖼️ Screenshots



A screenshot of a computer screen

AI-generated content may be incorrect.

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## 🚀 How to Run the Project

### 🧾 Prerequisites

- Java JDK 17+ (project uses JDK 24)

- NetBeans (optional, for editing)

- MySQL Server (e.g., XAMPP, WAMP, or local installation)

### ⚙️ Setup Steps

1. \*\*Clone or Download\*\* the project.

2. Import the MySQL database:

- Run the provided SQL script (`airline.sql`) to set up the database and tables (if available).

3. \*\*Update Database Connection:\*\*

- Open `Conn.java` and modify:

```java

String url = "jdbc:mysql://localhost:3306/your\_database\_name";

String user = "your\_mysql\_username";

String password = "your\_mysql\_password";

```

4. Navigate to the `dist/` folder and run:

```bash

java -jar AirlineManagementSystem.jar