**Future Scope:**

**1.Online Payment Gateway Integration**

* Enable secure payments through UPI, cards, or net banking for real-time booking confirmation.

2. **Real-time Flight Tracking**

* Use APIs to show live flight status and delays within the app.

3. **Notification System**

* Integrate SMS/email alerts for booking confirmations, cancellations, or delays.

4. **Frequent Flyer Program**

* Allow users to accumulate points based on bookings and redeem them for discounts or upgrades.

5. **Multi-language Support**

* Expand accessibility by supporting regional and international languages.

6. **Admin Analytics Dashboard**

* Provide data visualizations on bookings, revenues, cancellations, etc., to help management make informed decisions.

7. **In-flight Services Booking**

* Allow passengers to pre-book meals, Wi-Fi, or seat upgrades.

8. **Dynamic Pricing Model**

* Implement an algorithm to adjust ticket prices based on demand, booking time, and seat availability.

9. **Mobile App Version**

* Develop a cross-platform mobile app for easier access and convenience.

**10. AI-Based Chatbot Support**

* Offer a virtual assistant to help users book flights, resolve queries, and manage bookings.

### **Conclusion**: This project really helped me strengthen my core Java concepts like **OOP, exception handling, GUI design, and modular programming**. I applied what I learned in class—like creating classes, using functions, and building user interfaces

Beyond the syllabus, I explored **API integration**, **PDF generation**, and **real-time weather checks**, which made the project more advanced and realistic. Overall, it improved both my **technical skills** and **problem-solving** ability through a practical, hands-on approach.